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**A Handbook of
Chinese Pharmaceutical
Machinery & Equipment for
Export**

中国制药装备出口产品手册

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A Handbook of
Chinese Pharmaceutical
Machinery & Equipment for
Export

中国制药装备出口产品手册

Department of International Cooperation,
The State Pharmaceutical Administration of China

国家医药管理局 国际合作司

The China Association for Pharmaceutical Equipment

中国制药装备行业协会

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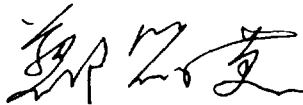
Preface

With the support of UNIDO, "A Handbook of Chinese Pharmaceutical Machinery & Equipment for Export " Compiled by The State Pharmaceutical Administration of China is now published. I am very pleased to extend my warm congratulations on the coming out of this book.

After the founding of new China, particularly since China's economic reform and opening up to the outside world, the Chinese pharmaceutical industry has witnessed tremendous development. Its industry output value increased at an average annual rate of 21% from 1990 to 1995. In 1996, the output value amounted to RMB ¥120 billion, 15% more than that of 1995. In 1997 the industry reached an output value of RMB ¥ 140 billion, while the commercial sales value was amounted to RMB ¥ 102 billion. With the development of pharmaceutical industry, the pharmaceutical machinery sector has grown rapidly. At present, there are around 400 pharmaceutical machinery enterprises. A pharmaceutical machinery industrial system consisting of scientific research, design, production and distribution has been formed with its products more than 1100 varieties and specifications covering eight large categories — machinery for bulk pharmaceuticals and preparations, pharmaceutical machinery, pulverizing machinery, hydraulic equipment, packaging machinery, drug testing instruments and other related pharmaceutical machinery.

"A Handbook of Chinese Pharmaceutical Machinery & Equipment for Export" introduces the products, specifications and the models of the main pharmaceutical machinery enterprises in China with more than 85 pictures. The publishing of this book will make contribution to understanding of Chinese pharmaceutical machinery and enterprises, and to promoting cooperation among developing countries in the field of pharmaceutical industry.

Zheng Xiaoyu

A handwritten signature in black ink, consisting of stylized Chinese characters, positioned below the printed name.

Director-General

The State Pharmaceutical Administration
of China

前 言

在 UNIDO 的支持下,由国家医药管理局编辑的《中国制药装备出口产品手册》现已出版发行。我对该书的出版表示热烈的祝贺。

建国之后,特别是改革开放以来,我国医药工业发展迅速。1990 到 1995 年,医药工业总产值以年均 21% 的速度递增。1996 年医药工业总产值 1200 亿元,比 1995 年递增 15%。1997 年医药工业总产值 1400 亿元,医药商业销售额 1021 亿元。随着医药工业的发展,制药机械工业也得到了迅速发展。目前,有近 400 家制药机械企业,形成了具有科研、设计、生产及销售组成的制药机械工业体系,可生产原料药设备及机械、制剂机械、药用分碎机械、饮片机械、制药用水设备、药品包装机械、药物检测设备及其他制药机械及设备等八大类、1100 余个品种、规格的制药机械产品。

《中国制药装备出口产品手册》介绍了我国主要制药设备企业的产品、规格、型号,书中的插页收录了 85 张产品图片。这本书的发行,对于了解中国制药设备及企业情况,为发展中国家的制药工业作出贡献,为人类医药健康事业的发展,都是很有意义的。

国家医药管理局局长
郑筱萸

The progress of the pharmaceutical industry in China is indeed very impressive during the past ten years. We note with interest to see the active role played by the renowned international companies in the country through joint research and production. China certainly possesses the capability to provide technical and institutional support to other developing countries in the pharmaceutical sector.

We welcome the publication of this compendium, which will be a useful tool for the diffusion of information and promotion of mutual cooperation.

YoMaruno

A handwritten signature in black ink, appearing to read 'YoMaruno', with a stylized, flowing script.

Managing Director

Investment and Technology Promotion Division

在过去十年,中国制药工业的发展确实令世人瞩目,我们很有兴趣地看到,著名的国际大公司通过合作研究和合作生产在这个国家所起的积极角色。在制药领域,中国有向其它发展中国家提供技术和援助的能力。

我们欢迎这本手册的出版,它在信息传播和增进相互合作方面将成为一个有用的工具。

联合国工业发展署
投资技术促进司司长
尤·玛儒诺

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CHINA PHARMACEUTICAL EQUIPMENT 1

COMMODITY: DOUBLE-CIRCULATION AIR LIFT FERMENT REACTOR

MODEL: 10

APPLICATION:

It is suited for biological ferment engineering in pharmaceutical, chemical, foodstuff and light industries.

FEATURES:

It is based on the principle of air lift circulation, with which liquid circulating flow and turbulent motion are formed to get air, liquid and solid mixing evenly in tank, thus providing nutrition for microbe. This reactor can be enlarged in size, and installed outdoors.

TECHNICAL DATA:

Whole volume(m ³):	10
Parameter comparison for airlift tank and mechanical stirring tank	
Acid rate or ferment unit(%):	+5.7~12.1
Capacity or ferment index(%):	0~11
Energy consumption rate(%):	-37~-56

POWER(kW):

OVERALL DIMENSIONS(mm):

OTHER SPECIFICATIONS:

20, 30, 50, 100, 300, 500

产品名称:双环流气升式发酵反应器

型号规格:10

主要用途:用于医药、化工、轻工、食品等行业生物发酵工程。

工作原理及结构特点:应用气体提升原理,在气升罐内形成液体循环流动及湍动,达到气、液、固相均匀混合供给微生物营养,促进微生物健康成长,发育。气升罐易于大型化,并可安装在室外。

主要技术参数:

全容积(m ³):	10
气升罐与机械搅拌罐参数对比:	
产酸率或发酵单位(%):	+5.7~12.1
生产能力或发酵指数(%):	0~11
能耗比(%):	-37~-56

配套电机(kW):

外形尺寸(mm):

其它规格:20,30,50,100,300,500

COMMODITY: K-TYPE GLASS LINED REACTOR

MODEL: K 2000

APPLICATION:

It is used as anti-corrosion reactor in pharmaceutical, chemical and light industries.

FEATURES:

This reactor is lined by a special silicate glass through high temperature. It has both the strength of metal and anti-corrosion of glass. It can resist corrosion from various organic and inorganic acid, weak base liquid and organic solvents except for hydrofluoric acid.

TECHNICAL DATA:

Nominal volume(L):		2,000
Heating area of jacket(m ²):		7.2
Nominal pressure (MPa):	in container	0.25
	in jacket	0.6
Nominal diameter of stirring axle(mm):		80

POWER(kW): 4.0

OVERALL DIMENSIONS(mm):

OTHER SPECIFICATIONS:

K50, K100, K200, K300, K500, K1000, K1500
K3000, K5000

产品名称:搪玻璃开式反应罐

型号规格:K2000

主要用途:用于医药、化工、轻工等行业的耐腐蚀反应容器。

工作原理及结构特点:是将特种硅酸盐玻璃经高温搪烧于金属胎体表面上的压力容器。它具有金属的强度,又具有玻璃的耐腐蚀性能。对于除氢氟酸以外的几乎所有无机酸、有机酸、弱碱液、有机溶剂等,均有极强的抗腐蚀作用。

主要技术参数:

公称容积(L):	2000
夹套换热面积:	7.2
公称压力:容器内	0.25
夹套内	0.6
搅拌轴公称直径(mm):	80

配套电机(kW): 4.0

外形尺寸(mm):

其它规格:K50,K100,K200,K300,K500,K1000,K1500,
K3000,K5000

COMMODITY: GLASS LINED REACTOR

MODEL: F 3000

APPLICATION:

It is used as anti-corrosion reactor in pharmaceutical , chemical and light industries.

FEATURES:

This reactor is lined by a special silicate glass through high temperature. It has both the strength of metal and anti-corrosion of glass. It can resist corrosion from various organic and inorganic acid, weak base liquid and organic solvent except for hydrofluoric acid.

TECHNICAL DATA:

Nominal volume(L):		3,000
Heating area of jacket(m ²):		9.74
Nominal pressure (MPa):	in container	0.25
	in jacket	0.6
Nominal diameter of stirring axle (mm):		95

POWER(kW): 5.5

OVERALL DIMENSIONS(mm):

OTHER SPECIFICATIONS:

F 4000, F5000, F8000, F10000

COMMODITY: HORIZONTAL CLOSED PEELER CENTRIFUGE

MODEL: WFG 1050

APPLICATION:

It is used for separating liquid and solid in pharmaceutical, chemical, foodstuff and light industries, especially for high cleanness material or the material that can produce pernicious gas.

FEATURES:

The machine is whole closed type peeler discharge centrifuge. PLC controlled system is adopted to convert centrifugal frequency and speed. The whole process can be set by technological requirement. For the harmful or easily oxidized material, nitrogen can be filled in to protect the material.

TECHNICAL DATA:

Diameter of bowl(mm):	1,050
Working volume(L):	210
Allowable loading(kg):	230
Speed of bowl(r/min):	0~1,400
Separation factor:	0~1,145
Filtering area(m ²):	1.65
POWER(kW):	22
OVERALL DIMENSIONS(mm):	3,350×1,700×1,600

OTHER SPECIFICATIONS:

产品名称:卧式封闭刮刀离心机

型号规格:WFG 1050

主要用途:用于医药、化工、轻工、食品等行业的液、固分离。尤其适用分离洁净度要求高或有毒害气体逸出的物料。

工作原理及结构特点:该机采用全密闭型,刮刀卸料。PLC自动控制,变频调速。进料、分离、洗涤、甩干、出料过程、转鼓转速、时间可根据工艺要求设定。对于有毒害易氧化物料可在机内充氮保护。并配有回收母液装置,便于有机溶剂回收。

主要技术参数:

转鼓直径(mm):	1050
工作容积(l):	210
许用装料量(kg):	230
转鼓转速(r/min):	0~1400
分离因数:	0~1145
过滤面积(m ²):	1.65

配套电机(kW): 22

外形尺寸(mm): 3350×1700×1600

其它规格:

COMMODITY: THREE-COLUMN MANUAL TOP DIS-
CHARGE CENTRIFUGE

MODEL: SS 800

APPLICATION:

It is suitable for chemical, foodstuff, pharmaceutical, mining and metallurgy and environmental protection industries, etc.

FEATURES:

The product flows into the centrifugal force field in the bowl from the upper feeding pipe and is forced to be deliquated and separated on the bowl wall. The liquid phase is centrifuged into the housing space through solid phase product and gauze from perforate bowl wall and is dislodged out of the liquid outlet from machine bottom pan. Solid phase product would be left behind in the bowl. After machine stopping, it would be discharged manually from the top.

TECHNICAL DATA:

Internal diameter of bowl(mm):	800
Filtering area(m ²):	1
Working volume of bowl(L):	100
Speed of bowl (r/min):	1,200
Max. loading volume(kg):	135
Max. separation factor of bowl:	640

POWER(kW): 5.5

OVERALL DIMENSIONS(mm): 1,670×1,270×1,000

OTHER SPECIFICATIONS:

SS450, SS600, SS600-NC, SS800-NC, SS1000

产品名称:三足式上部卸料离心机

型号规格:SS 800

主要用途:用于悬浮液的液固分离及纤维状物料脱水。

工作原理及结构特点:物料在离心力作用下,液相经滤布和转鼓壁上的开孔,被甩离转鼓,由排液口排出,滤饼留在转鼓内,分离完成后停机,人工上部卸出。

主要技术参数:

转鼓内径(mm):	800
过滤面积(m ²):	1
工作容积(l):	100
转速(r/min):	1200
最大装料量(kg):	135
分离因数:	640
配套电机(kW):	5.5
外形尺寸(mm):	1670×1270×1000

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 11

COMMODITY: TUBULAR SEPARATOR

MODEL: GQ 105A

APPLICATION:

GQ type is used for separation of various suspension which is difficult to separate, especially for the separation of solid-liquid suspension which has low concentration, small granularity and very small difference of solid-liquid gravity.

FEATURES:

Fine solid phase particles with great density are settled on the inner wall of the bowl gradually to form the residue layer to be discharged manually after the machine stops. The liquid phase flows out of the liquid outlet at the bowl's upper parts after clarification.

TECHNICAL DATA:

Internal diameter of bowl(mm):	105
Speed of bowl(r/min):	16,000
Max. separation factor:	15,025
Settling volume(L):	5.5

POWER(kW): 2.2

OVERALL DIMENSIONS(mm): 800×1,000×500

OTHER SPECIFICATIONS:

GQL75, GQQ105, GQL125, GQL150

产品名称:管式离心机

型号规格:GQ 105A

主要用途:用于分离各种乳浊液。尤其适于三相比重差甚微的液—液分离及含有少量杂质的液—液—固分离。

工作原理及结构特点:物料由进液口进入高速转鼓,离心力使密度不同的两相液体分层。密度大的液相形成外环,小的形成内环,微量杂质沉积到鼓壁上。分层后两相液体同时向转鼓上部流动,由各自排液口排出。鼓壁上的沉积物停机后卸出。

主要技术参数:

转鼓内径(mm):	105
转速(r/min):	16000
分离因数:	15025
沉积容积(l):	5.5

配套电机(kW): 2.2

外形尺寸(mm): 800×1000×500

其它规格:

COMMODITY: STARCH CENTRIFUGE

MODEL: LLC 350

APPLICATION:

This machine is suitable for the separation of suspension, solid phase gravity of which is bigger than its liquid phase gravity, especially for separation of maize starch and protein.

FEATURES:

Raw starch product flows into the screw from the charge-in inlet, and then into between the bowls by passing through the holes of screw wall, starch is settled on the inside wall of the bowl by the centrifugal force field and it is pushed to the top into the case from the residue opening of outside wall of the screw, to be diluted by the dilute water and then it flows out the starch outlet, settled raw starch liquid overflows through the overflow opening at the bottom and then drains out from the liquid outlet.

TECHNICAL DATA:

Big end internal diameter of bowl(mm):	350
Speed of bowl(r/min):	3,000
Separation factor of bowl:	1,800

POWER(kW): 15

OVERALL DIMENSIONS(mm): 1,310×830×1,495

OTHER SPECIFICATIONS:

产品名称:淀粉离心机

型号规格:LLC 350

主要用途:用于固相比重大于液相比重的悬浮液分离,更
适合用于玉米淀粉与蛋白质分离。

工作原理及结构特点:淀粉原浆由进料口流入螺旋器内
腔料仓,在离心力场的作用下,淀粉沉向转鼓内壁,
靠螺旋推料器将淀粉推向转鼓小端,由排渣口排入
外壳,再经稀释水稀释,由排出口流出。沉降后的原
浆液由转鼓底上的溢流口流出机外。

主要技术参数:

沉降转鼓大端直径(mm):	350
沉降转鼓转速:	3000
分离因数:	1800

配套电机(kW): 15

外形尺寸(mm): 1310×830×1495

其它规格:

COMMODITY: DRY DISC SEPARATOR

MODEL: DRY 400

APPLICATION:

It is used for separation of emulsion and suspension which contains 1-5% solid product, for example, separation of gum, nitroglycerine and extraction of tetracycline, bacterium, penicillin, and biological alkali.

FEATURES:

The product liquid flows into the bottom of bowl's wall through the bottom edge of disc seals and their holes. Solid product is settled into the inner surface wall of the bowl and forms into the residue by the centrifugal force field and then the residue will be discharged manually after the machine stops. Light liquid flows along up the outer tapered surface of discs to the main shaft center, passed through the light liquid centripetal pump and drains out from the light liquid outlet, Heavy liquid flows along the inner tapered surface of disc down to the bowl's wall and then passed through the heavy liquid centripetal pump and drains out from the heavy liquid outlet.

TECHNICAL DATA:

Internal diameter of bowl(mm):	420
Speed of bowl(r/min):	6,525
Separation factor:	10,000
Production capacity (m ³ /h):	5
POWER(kW):	11
OVERALL DIMENSIONS(mm):	1,500×900×1,500

OTHER SPECIFICATIONS:

DRY 500

产品名称:碟片分离机

型号规格:DRY 400

主要用途:用于乳浊液及固形物含量为1~5%的悬浮液的分离。

工作原理及结构特点:料液由上部中心进料管流至转鼓底部,经碟片座下面的分流孔趋向转鼓壁,在离心力的作用下,比液体重的固相物沉向转鼓内壁,待停机后人工卸除。轻液向轴心流动至上部,经轻液向心泵排出,重液经重液向心泵排出。

主要技术参数:

转鼓内径(mm):	420
转鼓转速(r/min):	6525
分离因数:	10000
生产能力(m ³ /h):	5

配套电机(kW): 11

外形尺寸(mm): 1500×900×1500

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 17

COMMODITY: THREE-PHASE HORIZONTAL SCREW
DISCHARGE CENTRIFUGE

MODEL: LWS 320×1280

APPLICATION:

It is used for treating any concentration suspension in which solid particles are fine and creamy i. e. density fluctuation of suspension can not influence the separating result. It can also deal with the separation of the three-phase mixture (liquid-liquid-solid) of solid density being greater than liquid one and the separation of liquid-solid separation.

FEATURES:

The product liquid is brought into the bowl through a centripetal pump, solid product is settled into outer circular layer by the centrifugal force. Due to the different gravity of liquid phase in the bowl, two kinds of light and heavy liquid flows are formed and divided into two parts by the baffle at the big end of the bowl, light liquid flows out through the centripetal pump at the light liquid outlet and heavy liquid out at heavy liquid outlet.

TECHNICAL DATA:

Diameter and length of bowl(mm):	320×1,280
Speed of bowl(r/min):	4,000
Differential speed of screw(r/min):	30
Separation factor:	2,870
POWER(kW):	15/18.5
OVERALL DIMENSIONS(mm):	2,400×1,300×800

OTHER SPECIFICATIONS:

产品名称:三相卧式螺旋卸料离心机

型号规格:LWS 320×1280

主要用途:用于医药化工等行业液-液-固分离。

工作原理及结构特点:料浆经向心泵导管加入转鼓,在离心力作用下,固相物(滤渣)沉降到最外环,由于螺旋与转鼓的转差,沉渣被推至转鼓小端干燥区,由排渣口排出,转鼓内液相的浮浊液由于比重不同,形成轻、重两液环,被转鼓大端挡板将轻、重液分开,轻液经向心泵由轻液口流出,重液由重液口排出。

主要技术参数:

转鼓直径和长度(mm):	320×1280
转鼓转速(r/min):	4000
螺旋差动转速(r/min):	30
分离因数:	2870

配套电机(kW): 15(18.5)

外形尺寸(mm): 2400×1300×800

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 19

COMMODITY: QUICK-OPEN FILTER PRESS

MODEL: KY-500A

APPLICATION:

It is applicable to the pharmaceutical, chemical, foodstuff and light industries for separating solid from liquid in the suspensions.

FEATURES:

The pressurized suspension passes through the filter plate covered with the filter medium to separate the solid from the liquid. The equipment adopts the quick-open construction, horizontal filter plate and specially-designed self-sealing device.

TECHNICAL DATA:

Filter area(m ²):	1
Filter layer(pcs):	7
Working pressure(MPa):	≤0.4
Working temperature(°C):	≤200
Cylinder dimension(mm):	Ø510×360

POWER(kW):

OVERALL DIMENSIONS(mm): Ø518×814

OTHER SPECIFICATIONS:

GKY-600

产品名称:快开式压滤机

型号规格:KY—500A

主要用途:用于制药、化工、轻工、食品等行业中悬浮液的液固分离。

工作原理及结构特点:带压悬浮液通过敷有过滤介质的滤板达到液固分离的目的。设备采用快开门结构,水平式滤板、特殊设计的自密封。

主要技术参数:

过滤面积(m ²):	1
过滤层数(层):	7
工作压力(MPa):	≤0.4
工作温度(°C):	≤200
筒体规格(mm):	∅510×360

配套电机(kW):

外形尺寸(mm): ∅518×814

其它规格:GKY—600

CHINA PHARMACEUTICAL EQUIPMENT 21

COMMODITY: PLATE-FRAME STERILE FILTER

MODEL: LY-2.5B

APPLICATION:

It is mainly used in sterile filtration, clarification, and purification processes in pharmaceutical, chemical, food and light industries.

FEATURES:

When pressurized fluid passes through sterile filtering media sandwiched between the plates and the frames, which are alternate arranged, the particles and impurities are removed, so that clear sterile filtration is obtained.

TECHNICAL DATA:

Filtering area(m ²):	2.5
Working pressure(MPa):	≤0.42
Filtering temperature(°C):	<100
pH of filtered material:	2.5~10

POWER(kW): 1.1

OVERALL DIMENSIONS(mm): 1,161×511×860

OTHER SPECIFICATIONS:

LY-0.8

产品名称: 无菌过滤器

型号规格: LY—2.5B

主要用途: 用于医药、化工、食品、轻工等行业对液体过滤,达到除菌、提纯、澄清的目的。

工作原理及结构特点: 液体物料加压后进入交错排列的滤板、滤框间,经夹在二者之间的除菌板时,微粒及杂质被截留,从而使液体澄清、除菌。

主要技术参数:

过滤面积(m ²):	2.5
工作压力(MPa):	≤0.42
过滤温度(°C):	<100
过滤物料 pH 值:	2.5~10

配套电机(kW): 1.1

外形尺寸(mm): 1161×511×860

其它规格: LY—0.8

CHINA PHARMACEUTICAL EQUIPMENT 23

COMMODITY: PLATE-FRAME PRESSURE FILTER

MODEL: BAY 20/635-25

APPLICATION:

It is suitable for filtering suspension in pharmaceutical, chemical, light and metallurgical industries.

FEATURES:

Product liquid is pumped into compression chamber by the pump. Liquid phase is drained out from bottom through residue layer and filtration fabric under the pressure and solid is left behind on the filter frame and would be manually removed at regular intervals.

TECHNICAL DATA:

Filter area(m ²):	20
Quantity of filter plate(pcs):	25
Quantity of filter frame(pcs):	26
Total volume in frame(L):	252
Operating pressure (MPa):	0.5

POWER(kW): 0.6

OVERALL DIMENSIONS(mm): 3,940×1,220×1,270

OTHER SPECIFICATIONS:

BMY 84/1000-45A, BAJ60/80, BMJ80/1000, BAS350-2M²

产品名称:板框压滤器

型号规格:BAY 20/635~25

主要用途:用于制药、化工、轻工、冶金等行业,过滤悬浮液。

工作原理及结构特点:料液由料泵输入压缩室,在压力作用下,液相通过渣层及滤布,由下部排出,固相则留在滤框内,人工定期清除。

主要技术参数:

过滤面积(m ²):	20
滤板数(片):	25
滤框数(片):	26
框内总容积(l):	252
工作压力(MPa):	0.5

配套电机(kW): 0.6

外形尺寸(mm): 3940×1220×1270

其它规格:BMY84/1000-45A,BAJ60/80,BMJ80/1000

BAS350-2m²

COMMODITY: PRESSURIZED REVERSE FLOW EXTRACTING MACHINE SET

MODEL: DT. V1 (m³)

APPLICATION:

It is used for extraction, evaporation and sterilization of herbal medicine.

FEATURES:

With its special new type sealing structure, this equipment is the third generation of tanks for extracting traditional Chinese medicine. The tank body is of vertical structure that makes drug discharging be extremely convenient and can be used independently or in combination with other tanks. It is even more effective for large quantity medicine extraction, thus increasing efficiency, saving energy, yielding high concentration liquid medicine and shortening the time for both extraction and concentration.

TECHNICAL DATA:

Designed pressure(MPa):	Container	0.15
	Jacket	0.3
Designed temperature(°C):	Container	127
	Jacket	143
Volume(m ³):		1

POWER(kW):

OVERALL DIMENSIONS(mm): 3,800×3,100×5,200

OTHER SPECIFICATIONS:

DT. V 1.5, 2, 3, 5, 6 (m³)

产品名称: 加压逆流提取机组

型号规格: DT·V1(m³)

主要用途: 用于中草药提取、蒸制、灭菌。

工作原理及结构特点: 中草药装入罐内后, 通入蒸汽加热、提取。配附件后, 可完成回流提取、强制循环提取、提油、酒精提取和回收残渣中的酒精。

主要技术参数:

设计压力(MPa):	罐内 0.15、夹套 0.3
设计温度(°C):	罐内 127、夹套 143
容 积(m ³):	1

配套电机(kW): 0.6

外形尺寸(mm): 3800×3100×5200~4740×3580×8500

其它规格: DT·V1.5, 2, 3, 5, 6(m³)

CHINA PHARMACEUTICAL EQUIPMENT 27

COMMODITY: MINIATURE VERSATILE EXTRACTING
AND CONCENTRATING MACHINE SET

MODEL: DT. V 100(L)

APPLICATION:

It is used for extraction, evaporation and sterilization of herbal medicine.

FEATURES:

This equipment is mainly used for middle and small-sized pharmaceutical factories, hospitals and scientific research institutes, developing new medicines or manufacturing small quantity but high-grade medicines.

TECHNICAL DATA:

Volume(L):	100
Working pressure(MPa):	0.15
Jacket pressure(MPa):	0.15

POWER(kW):

OVERALL DIMENSIONS(mm): 1,200×1,600×1,800

OTHER SPECIFICATIONS:

DT. V (L) 200, 300

产品名称:小型立式提取、浓缩机组

型号规格:DT·V100(L)

主要用途:用于中草药提取、蒸制、灭菌。

工作原理及结构特点:本机主要适用于中、小型药厂、医院、科研机构、开发新药或小批量生产高等级的药品。

主要技术参数:

容 量(L):	100
工作压力(MPa):	0.15
线性夹套压力(MPa):	0.15

配套电机(kW):

外形尺寸(mm): 1200×1600×1800

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 29

COMMODITY: PRODUCTION LINE FOR MAKING
TRADITIONAL CHINESE MEDICINE BY
DYNAMIC WATER LEACHING

MODEL: 50

APPLICATION:

This production line is used for dynamic water leaching of traditional Chinese medicine.

FEATURES:

This production line consists of dynamic water leaching unit, three-stage liquid-solid separation unit, low temperature vacuum concentration unit and spray drying unit. The whole line is operated under sealed conditions, to improve both yield and quality of the medicines.

TECHNICAL DATA:

Raw material feed(kg/batch):	50
Max. feed water (L/batch):	600
Temperature for leaching (°C):	95±5
Max. concentration speed(kg/h):	300
Mode for drying:	centrifugal spray
Liquid feed (kg/h):	20

POWER(kW):

OVERALL DIMENSIONS(mm):

OTHER SPECIFICATIONS:

100, 200, 300

产品名称:中药动态水提取生产线

型号规格:50

主要用途:用于中药材的水提取。

工作原理及结构特点:本生产线由动态水提取、三级液固分离、低温真空浓缩、喷雾干燥组成。生产过程为全密封状态,提高药品的收率和质量。

主要技术参数:

原料处理量(kg/批):	50
最大添加水量(L/批):	600
提取温度(℃):	95±5
最大浓缩速度(kg/h):	300
干燥方式:	离心喷雾
料液处理量(kg/h):	20

配套电机(kW):

外形尺寸(mm):

其它规格:100,200,300

COMMODITY: MINIATURE MULTI-PURPOSE EXTRACTING CONCENTRATING & RECOVERING DEVICE

MODEL: DT 300

APPLICATION:

For the extraction and concentration of effective substance from herbal medicine and juice, widely used in pharmaceutical, chemical and foodstuff industries.

FEATURES:

The complete system of extraction and concentration serves the functions as: warmly submerging, filtering, extracting fragrance oil, evaporating and recovering solvent, etc. , and it can also keep normal pressure and can boost and reduce pressure, it can also operate in reverse flow. Quick evaporation and low-temperature concentration are the two major features of the system.

TECHNICAL DATA:

Concentrator capacity(L):	300
Concentrator vacuum(MPa):	0.05~0.08
Extracting & concentrating temp(°C):	45~100
Heating power for extracting(kW):	6
Heating power for concentrating(kW):	6

POWER(kW): 12

OVERALL DIMENSIONS(mm): 3,300×2,400×2,500

OTHER SPECIFICATIONS:

DT 50, DT 100, DT 200, DT 500

产品名称:小型多能提取浓缩回收装置

型号规格:DT 300

主要用途:用于医药、化工、食品等行业中草药、果汁等有效物质的提取和浓缩。

工作原理及结构特点:提取、浓缩组成一个系统,具有温浸、芳香油提取、蒸制及溶媒回收等功能。可常压、减压、加压和回流煎煮。蒸发速度快,浓缩温度低。

主要技术参数:

提取罐容积(l):	300
浓缩真空度(MPa):	0.05~0.08
提取、浓缩温度(°C):	45~100
提取电加热功率(kW):	6
浓缩电加热功率(kW):	6

配套电机(kW): 12

外形尺寸(mm): 3300×2400×2500

其它规格:DT50,DT200,DT300,DT500

COMMODITY: FAST SETTING ALCOHOL RECOVERY
TOWER

MODEL: JH--400

APPLICATION:

This device is used in recovering the thin alcohol in pharmaceutical, light and chemical industries, for distillation of methanol and the other mediums.

FEATURES:

Diluted alcohol in distilling caldron is evaporated by heating through coil pipe, the materials will go up through distilling tower to the top and then into condenser. Qualified thick alcohol can be recovered after condensing.

TECHNICAL DATA:

Recovering capacity(kg/h):	120~200
Recovering density(%):	90~95
Disposing capacity(kg/h):	200~300
Volume of distilling caldron(L):	1500
Proportion of alcohol loss(%):	≤2.3
Height of tower(m):	8

POWER(kW):

OVERALL DIMENSIONS(mm): 3,560×1,400×9,500

OTHER SPECIFICATIONS:

产品名称:快装酒精回收塔

型号规格:JH—400

主要用途:用于制药、化工、轻工等行业稀酒精回收,也用于甲醇等溶媒的蒸馏。

工作原理及结构特点:蒸馏釜内的稀酒精液,通过盘管加热汽化,经蒸馏塔内填料上升至塔顶并导入冷凝器,凝结成合格浓酒精后回收。

主要技术参数:

回收能力(kg/h):	120~200
回收浓度(%):	90~95
处理量(kg/h):	200~300
蒸馏釜容积(l):	1500
酒精损耗率(%):	≤2.3
塔高(m):	8

配套电机(kW):

外形尺寸(mm): 3560×1400×9500

其它规格:

**COMMODITY: TRI EFFECT ENERGY SAVING EVAPO-
RATING & CONCENTRATING DEVICE**

MODEL: SJZN-1000

APPLICATION:

It is widely used for material concentration in pharmacy, foodstuff, dairy industry, chemical industry and light industry.

FEATURES:

1. Steam can be utilized many times, over-heat self evaporating of condensed water and efficient heat preservation of evaporator, greatly reduce the hot steam consumption. It consumes less than 0.4kg of hot steam as 1kg of water is evaporated.
2. It lowers the temperature of material evaporation and meets the requirement of thermal sensitive material concentrating by using vacuum evaporating operation.
3. The final material gravity can reach 1.35~1.4 by using its first degree to make further concentration and raise the ratio of concentration.

TECHNICAL DATA:

Evaporating capacity(kg/h):	800~1,000
Heated steam pressure(MPa):	0.05~0.09(on the piezometer)
Vacuum degree and evaporation temperature:	
First degree:	16.7KPa (125mmHg) 95°
Second degree:	61.3KPa (460mmHg) 70°
Third degree:	85.3KPa (640mmHg) 55°
Steam consumption(kg/h):	<400

POWER (kW):

OVERALL DIMENSIONS (mm): 6,000×1,500×3,600

OTHER SPECIFICATIONS: SJZN-500

产品名称:三效节能蒸发浓缩器

型号规格:SJZN—1000

主要用途:广泛用于制药、食品、化工、轻工业的物料浓缩。

工作原理及结构特点:一次蒸汽可多次利用,冷凝水的过热自蒸发及蒸发器的有效保温,而使加热蒸汽消耗量大为降低;蒸发 1kg 的水消耗加热蒸汽不到 0.4kg。降低了物料蒸发温度,满足热敏性物料的浓缩要求。可利用一效作进一步浓缩,提高浓缩比,使最终物料比重达到 1.35~1.40。

主要技术参数:

蒸发能力(kg/h): 800~1000

加热蒸汽压力(MPa): 0.05~0.09(壳压)

真空度与蒸发温度:

I 效	16.7 KPa(125mmHg)	95℃
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II 效	61.3 KPa(460mmHg)	70℃
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III 效	85.3 KPa(640mmHg)	55℃
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配套电机(kW):

外形尺寸(mm): 6000×1500×3600

其它规格:SJZN—500

COMMODITY: VACUUM REDUCED PRESSURE CONCENTRATING TANK

MODEL: 500L

APPLICATION:

With no pollution to the productive environment, the concentrator is characterized by easy operation and reliable use and suitable for concentrating and distilling the liquid materials, such as traditional Chinese , foodstuff, etc.

FEATURES:

This equipment consists mainly of the concentrator, condensing cooler, vapor-liquid separator, material accepting tank, etc. The concentrator features the structure of sleeve. In order to reduce the boiling point of materials, the concentrator is equipped with a vacuum-pumping port so that customers can adjust the vacuum pureness according to materials' sensitivity to heat by themselves.

TECHNICAL DATA:

Capacity(L):	500
Evaporation capacity(kg):	100
Steam pressure(MPa):	≤0.15
Vacuum(KPa):	≤60

POWER(kW):

OVERALL DIMENSIONS(mm): 2,100×1,200×3,400

OTHER SPECIFICATIONS:

产品名称:真空减压浓缩罐

型号规格:500L

主要用途:本设备对生产环境无任何污染,用于浓缩及蒸馏液态物料,如中药、食品等,具有易于操作,使用安全可靠的特点。

工作原理及结构特点:本设备主要由浓缩罐、冷凝器、汽—液分离器、物料接收罐等组成。浓缩罐带有套筒,为了降低物料的沸点,浓缩罐配有真空泵装置,这样可按不同物料对热敏度的要求,自行调节罐内真空度。

主要技术参数:

容 量(L):	500
蒸发量(kg):	100
蒸汽压力(MPa):	≤ 0.15
真空度(kPa):	≤ 60

配套电机(kW):

外形尺寸(mm): 2100×1200×3400

其它规格:

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COMMODITY: SCRAPER FILM EVAPORATOR

MODEL: GZ-2m²

APPLICATION:

Widely used in pharmaceutical, petroleum, chemical and foodstuff industries, etc., especially for evaporating and concentrating the thermo-sensitive, high-viscosity, easy foaming and easily filthy materials.

FEATURES:

The liquid material flows from the top to the centrifugal distributor and is evenly scattered on the internal wall of the cylinder with jacket. Affected by centrifugation of 240(300 r/min, the scraper slipper moves clinging to the cylinder wall to scrap the material into thin film, push it down to evaporate quickly so as to prevent charring.

TECHNICAL DATA:

Evaporating area(m ²):	2
Vacuum (MPa):	0.086
Max. discharge viscosity (cPa. s):	50,000
Jacket pressure(MPa):	0.3

POWER(kW): 3

OVERALL DIMENSIONS(mm): 950×830×3,200

OTHER SPECIFICATIONS:

GZ-0.8m²

产品名称:刮板薄膜蒸发器

型号规格:GZ—2m²

主要用途:适用于医药、石油、化工、食品等行业,高粘度、热敏性、易起泡、易结垢物料的蒸发浓缩。

工作原理及结构特点:料液由顶部切向进入离心分配器,被均匀分散在带夹套的筒体内壁上,刮板滑块在 300 转/分的离心作用下紧贴筒壁运动,将物料刮成薄膜,向下推送,迅速蒸发,避免结焦。

主要技术参数:

蒸发面积(m ²):	2
真空度(MPa):	0.086
出料最大粘度(cPa·s):	50000
夹套压力(MPa):	0.3

配套电机(kW): 3

外形尺寸(mm): 950×830×3200

其它规格:GZ—0.8m²

CHINA PHARMACEUTICAL EQUIPMENT 41

COMMODITY: MULTI-FUNCTIONAL EXTRACTING
AND VACUUM CONCENTRATE-RE-
CLAIMING SET

MODEL: TN 50

APPLICATION:

This set is suitable for hospitals, pharmaceutical plants, foodstuff and chemical industries for reclaiming organic solvent as well as for extracting and concentrating Chinese herbal medicine, fruit juice, etc.

FEATURES:

The set has extracting and concentrating-two independent operating systems. It possessed the functions of soaking, percolating, steaming as well as extracting aromatic oil and reclaiming organic solvent. It can keep normal pressure, and can boost & reduce pressure, it can also operate in reverse flow. Concentration proceeded on the condition of low temperature and high evaporating speed.

TECHNICAL DATA:

Extracting capacity(L):	50
Working pressure in pot(MPa):	0.15
Working pressure in jacket(MPa):	0.15
Concentrating capacity(L):	50
Vacuum(MPa):	≥ 0.03
Working pressure in heating pipe(MPa):	0.15
POWER(kW):	1.85
OVERALL DIMENSIONS(mm):	970×1,110×1,900

OTHER SPECIFICATIONS:

TN 100, TN 200

产品名称:多能提取·真空浓缩机组

型号规格:TN 50

主要用途:适用于医药、化工、食品等行业中草药、果汁等有效成份的提取和浓缩。

工作原理及结构特点:提取、浓缩组成一个系统,具有温浸、渗漉、芳香油提取、蒸制及溶媒回收等功能。可常压、减压、加压和回流煎煮,蒸发速度快,浓缩温度低。

主要技术参数:

提取罐容量(l):	50
工作压力(MPa):	0.15
夹套压力(MPa):	0.15
浓缩罐容量(l):	50
真空度(MPa):	≥ 0.03
加热管压力(MPa):	0.15
配套电机(kW):	1.85
外形尺寸(mm):	970×110×1900

其它规格:TN100、200

CHINA PHARMACEUTICAL EQUIPMENT 43

COMMODITY: HEAT CYCLE OVEN

MODEL: RXH-14-B

APPLICATION:

It is used in pharmaceutical , foodstuff and chemical industries, for drying wet materials.

FEATURES:

Using axial fan and heat exchanger , the heat exchange is carried out between paralleled layers of air flow and raw material, so that the moisture can be removed and the raw materials can be dried.

TECHNICAL DATA:

Drying capacity (kg/batch):	100
Vapor consumption (kg/h):	20
Wind volume (m ³ /h):	1,400
Temperature difference (°C):	2

POWER (kW): 1.1

OVERALL DIMENSIONS (mm): 2,430×1,200×2,433

OTHER SPECIFICATIONS:

RXH-27-B, RXH-41-B, RXH-54-B

RXH-5-C, RXH-25-A

产品名称:热风循环烘箱

型号规格:RXH—14—B

主要用途:用于制药、食品、化工等行业产品的干燥。

工作原理及结构特点:利用轴流风机、换热器等使空气呈平行层流与物料进行热交换,除去水份,使物料干燥。

主要技术参数:

干燥能力(kg/次):	100
蒸汽耗量(kg/h):	20
风量(m ³ /h):	1400
上下温差(℃):	2

配套电机(kW): 1.1

外形尺寸(mm): 2430×1200×2433

其它规格:RXH—27—B, RXH—41—B, RXH—54—B,

RXH—5—C, RXH—25—A

CHINA PHARMACEUTICAL EQUIPMENT 45

COMMODITY: HIGH-SPEED CENTRIFUGAL SPRAY
DRYER FOR CHINESE HERBAL
MEDICINE

MODEL: ZLPG-40

APPLICATION:

This spray dryer is used in leaching concentration liquid of Chinese herbal medicine.

FEATURES:

The dry air is cleaned through primary-efficiency, mid-efficiency and high-efficiency filters, enters the atomizer and sprays out the material. The material will be dried in the drying room and be collected in the clean room after going through the spiral segregator. The temperature of incoming and outgoing air can be adjusted automatically. This equipment can handle the materials which contains sugar and which is of low soft-point.

TECHNICAL DATA:

Chamber diameter(mm):	4,000
Power of atomizer(kW):	4
Rotation speed of atomizer (r/min):	15,800
Diameter of disk(mm):	150

POWER(kW): 29

OVERALL DIMENSIONS(mm):

OTHER SPECIFICATIONS:

ZLPG-45, ZLPG-50

产品名称:中药用高速离心喷雾干燥机

型号规格:ZLPG—40

主要用途:用于中药行业提取浓缩液的喷雾干燥。

工作原理及结构特点:干燥空气经初效、中效、高效过滤器净化,进入雾化器将物料雾化喷出,在干燥室内完成干燥,经旋风分离器在净化间收料。进出风温度自动控制。能较好地处理含有糖份及软化点较低的物料。

主要技术参数:

干燥室直径(mm):	4000
雾化器功率(kW):	4
雾化器转速(r/min):	15800
雾化盘直径(mm):	150

配套电机(kW): 29

外形尺寸(mm):

其它规格:ZLPG—45,ZLPG—50

COMMODITY: FLUID-BED CYCLONE CATCHING DRY-
ER

MODEL: FGX-120

APPLICATION:

It is used in pharmaceutical, foodstuff and chemical industries for drying powder and granular materials.

FEATURES:

Based on the principle of fluid-bed dryer, cyclone separator is adopted in this machine to catch powder, where powder trapped by the first stage cyclone separator returns to the main unit through vortex gas-seal valve so as to dry simultaneously a batch of wet powder trapped in early stage of operation and to overcome the trouble with cleaning powder in the filtering bag of fluid-bed dryer during operation and shortcoming of fiber shedding.

TECHNICAL DATA:

Production capacity(kg/time):	80~160
Air-in temperature(°C):	20~120
Moisture in finished product(%):	0.5~3
Obtainable ratio(%):	99
Pressure of gas source(MPa):	0.6
Compressed air consumption(m ³ /min):	0.6
POWER(kW):	11
OVERALL DIMENSIONS(mm):	1,800×1,800×2,800

OTHER SPECIFICATIONS:

FGX3, FGX10, FGX30, FGX60, FGX300, FGX1000

产品名称:流化床旋风捕集式干燥机

型号规格:FGX—120

主要用途:用于医药、食品、化工等行业粉状、颗粒状物料的干燥。

工作原理及结构特点:本机在流化床干燥机原理基础上,采用旋风分离器捕集粉末,第一级旋风分离器捕集的粉末,通过涡旋气封阀回到主机内,这样避免了作业初始阶段捕集到的湿粉末无法一个批次同时干燥的问题,克服了流化床干燥机过滤袋在作业中清理粉末的麻烦和脱落纤维的缺点。

主要技术参数:

生产能力(kg/次):	80~160
进风温度(°C):	20~120
成品水份(%):	0.5~3
收得率(%):	99
气源压力(MPa):	0.6
压缩空气耗量(m ³ /min):	0.6

配套电机(kW): 11

外形尺寸(mm): 1800×1800×2800

其它规格: FGX3, FGX10, FGX30, FGX60, FGX300, FGX1000

COMMODITY: VACUUM FREEZE DRYER

MODEL: TL-LYOEPIC 40

APPLICATIONS:

It is used to produce lyophilizing products, for instance, blood products, vaccine, antibiotics, biological products, biochemical medicines, gene engineering products, etc.

FEATURES:

This machine consists of a drying chamber containing shelves which may be either heated or cooled, a refrigerated vapor condenser with the associated refrigeration group vacuum pumping system, hydraulic rubber stopper pressing system, micro-computer auto-control system, and CIP, SIP. The design to eliminate surface welds (which obtains National Patent) together with high quality components selection improve performance and reliability.

TECHNICAL DATA:

Useable shelf area (m ²):	40.5
The number of shelves:	18±1
Lowest temperature of shelf(°C):	-50
Condenser capacity (kg):	810
POWER (kW):	180
OVERALL DIMENSIONS (mm):	1,200×2,600×4,000

OTHER SPECIFICATIONS:

产品名称:真空冷冻干燥机

型号规格:TL—LYOEPIC 40

主要用途:用于医药行业血液制品、疫苗、抗生素、生物制品、基因工程等产品的真空冷冻干燥。

工作原理及结构特点:本机由冻干箱、冷阱、蒸汽冷凝器、液压压塞、微机自控系统及 CIP、SIP 等组成。精良的设计消除了表面大焊缝现象(获得国家专利),加之选用高品质元件精心制作,大大改进了产品性能和可靠性。

主要技术参数:

板层面积(m ²):	40.5
板层数目:	18+1
板层最低温度(℃):	-50
冷凝器凝冰能力(kg):	810

配套电机(kW): 180

外形尺寸(mm): 1200×2600×4000

其它规格:

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COMMODITY: FREEZE VACUUM DRYER

MODEL: GDA-3

APPLICATIONS:

It is used to produce lyophilizing product, for instance, biological product medicine and biochemical medicine, foods etc.

FEATURES:

The liquid products are frozen in the low temperature, then the frozen products are lyophilized, i. e., by heating the ice of products, is sublimed to vapor in the vacuum.

TECHNICAL DATA:

Refrigeration speed(h):	(Normal to -50°C) <1.5
Min shelf temperature($^{\circ}\text{C}$):	-55
Condenser refrigeration speed(min): (normal to -40°C)	<30
Min condenser temperature($^{\circ}\text{C}$):	-70
Vacuumed speed(min):	(to 10 Pa) <30
Highest attained vacuum(Pa):	0.01
Vacuum leakiness(Pa/l sec):	<5
Max condensed water(kg):	60

POWER (kW): 22

OVERALL DIMENSIONS (mm): 2,800 \times 2,100 \times 2,500

OTHER SPECIFICATIONS:

产品名称:冷冻真空干燥机

型号规格:GDA—3

主要用途:用于医药、生化行业生产冻干制品。

工作原理及结构特点:将物品中的水份在低温下冻结,真空,加热,使固态的水升华,达到干燥物品的目的。

主要技术参数:

搁板面积(m ²):	3.24
搁板尺寸(mm):	915×915
搁板数量(个):	5
搁板间距(mm):	100
搁板温度(°C):	-45~70
捕水器温度(°C):	-60
冷凝器每批最大捕水量(kg/批):	50
极限真空(Pa):	<2.7

配套电机(kW): 25

外形尺寸(mm): 3000×1600×2800

其它规格:

COMMODITY: VIBRATING SCREENING MACHINE

MODEL: ZS-350

APPLICATION:

It is used for screening the different size granule.

FEATURES:

It consists of hopper, vibrating chamber, connecting shaft, and electric motor. When the force of adjustable eccentric weight driven by the motor acts on the centre of main shaft, it may be out of balance and causes eccentricity forces, so the regular eddy of material formed in the vibrating chamber is changed.

TECHNICAL DATA:

Production capacity(kg/h):	60~500
Screen meshes(mesh):	12~200
Main shaft rotating speed(r/min):	1,380

POWER(kW): 0.55

OVERALL DIMENSIONS(mm): 540×540×1,060

OTHER SPECIFICATIONS:

ZS-515, ZS-650

产品名称:振荡筛

型号规格:ZS—350

主要用途:用于筛分颗粒大小比例不等的物料。

工作原理及结构特点:本筛由料斗、振荡室、联轴器、电机等组成,可调节的偏心重锤经电机驱动传递到主轴中心线,在不平衡状态下产生离心力,使物料改变在筛内形成的轨道旋涡。

主要技术参数:

生产能力(kg/h):	60~500
过筛目数(目):	12~200
主轴转速(r/min):	1380

配套电机(kW): 0.55

外形尺寸(mm): 540×540×1060

其它规格:ZS—515,ZS—650

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COMMODITY: PULSE VACUUM STERILIZER

MODEL: XGI. P

APPLICATION:

It is used in medical and biological organizations to sterilize apparatus, utensils, fabric and liquids.

FEATURES:

The equipment applies vacuum pump eliminating chamber gas, filling steam to sterilize, and drawing off steam again. It can keep the sterilized subject dry, then filling the filter sterilized gas and eliminating vacuum. PLC controlled system is adopted.

TECHNICAL DATA:

Working pressure(MPa):	0.21
Working temperature(°C):	132
Steam source pressure(MPa):	0.29~0.59
Water source pressure(MPa):	0.15~0.3
Chamber volume(mm):	1,700×610×910

POWER(kW): 5.5

OVERALL DIMENSIONS(mm):

2,600×1,200×1,900 (double doors)

OTHER SPECIFICATIONS:

XGI. YS

产品名称:脉动真空灭菌器

型号规格:XG1. P

主要用途:用于医院、生物制品单位对器械、器皿、织物或液体进行消毒灭菌。

工作原理及结构特点:本设备用真空泵脉动抽空气方式排除灭菌室内空气,充入蒸汽灭菌,再用真空泵抽去蒸汽,可保持被灭菌物品的干燥,然后充入过滤无菌空气,消除真空。PLC自动控制,预置程序。

主要技术参数:

工作压力(MPa): 0.21

工作温度(°C): 132

汽源压力(MPa): 0.29~0.59

水源压力(MPa): 0.15~0.3

灭菌室容积(mm): 1700×1610×910

配套电机(kW): 5.5

外形尺寸(mm): 2600×1200×1900

其它规格:XG1. YS

COMMODITY: ELECTRONIC STERILIZER FOR TRADITIONAL CHINESE MEDICINE

MODEL: GM20-1

APPLICATION:

It is used to sterilize medicinal herbs, semi-finished products or finished medicine, also for natural health foods and beverages.

FEATURES:

The machine makes use of the electromagnetic wave radiation osmosis and the polarization of medium for sterilization. It is sure that the effective component is not damaged, the sterilizing speed is fast, and it is operated easily and economically. All of the machines are in line with the GMP standard.

TECHNICAL DATA:

Treated capacity(kg/h):	100
Treating duration(min/batch):	15~25
Output power(kW):	13~20
Power consumption(kVA):	13~26

POWER(kW): 2.0

OVERALL DIMENSIONS(mm):

1,800(1,500(600 (main machine)
3,300(800(1,500(subsidiary machine)

OTHER SPECIFICATIONS:

GM10-1, GM5-1

产品名称:食品中药灭菌机

型号规格:GM 20—1

主要用途:用于中药材、半成品及成药的干燥、灭菌。

工作原理及结构特点:利用高频电子辐射浸透和介质极化原理,对物料进行灭菌处理,具有灭菌快、操作方便、费用低等特点。

主要技术参数:

处理量(kg/批):	100
处理时间(min/批):	15~25
输出功率(kW):	13~20
电源(kVA):	13~26

配套电机(kW): 2.0

外形尺寸(mm): 1800×1500×600(主机)
3300×800×1500(辅机)

其它规格:GM10—1,GM5—1

COMMODITY: MIXER

MODEL: CH200-2

APPLICATION:

It is used for evenly mixing wet and dry material in pharmaceutical, chemical and foodstuff industries.

FEATURES:

By means of mechanical driving, material is revolving back and forth to get mixing evenly, and it can also be discharged automatically.

TECHNICAL DATA:

Working volume(L):	200
Revolving angle(°):	108
Total volume(L):	250
Diameter of agitating blade (mm):	525
Agitating speed(r/min):	20

POWER(kW): 5.5

OVERALL DIMENSIONS(mm): 1,752×660×1,190

OTHER SPECIFICATIONS:

CH50, CH100, CH150, WH150, WH200

产品名称:槽式混合机

型号规格:CH 200—2

主要用途:用于制药、化工、食品等行业,均匀混合粉状干湿物料。

工作原理及结构特点:通过机械传动,搅拌桨旋转,推动物料往复翻动,均匀混合,并能自动倒料。

主要技术参数:

工作容积(l):	200
翻转角度:	108°
总容积(l):	250
搅拌桨叶直径(mm):	525
搅拌转速(r/min):	20

配套电机(kW): 5.5

外形尺寸(mm): 1752×660×1190

其它规格:CH50、CH100、CH150、WH150、WH200

CHINA PHARMACEUTICAL EQUIPMENT 61

COMMODITY: MULTI-DIRECTION MOVEMENT MIXER

MODEL: HD-400

APPLICATION:

It is used in pharmaceutical, chemical, light , foodstuff and agricultural processing industries, etc.

FEATURES:

The barrel makes self rotation, while the shaft rotating and at the same time swinging up and down, with the swinging speed equal to 4 times of the spinning speed, so as to make the particles material be mixed under the centrifugal action-free condition, and to decrease the gravity segregation.

TECHNICAL DATA:

Mixing barrel volume(L):	400
Max. loading volume(L):	300
Max. loading weight(kg):	200
Shaft revolution (r/min):	20

POWER(kW): 4

OVERALL DIMENSIONS(mm): 1,500×2,200×1,500

OTHER SPECIFICATIONS:

HD-5, HD-20, HD-100, HD-200, HD-600, HD-800, HD-1000

产品名称:多向运动混合机

型号规格:HD—400

主要用途:用于制药、化工、食品、轻工等行业混合粉状或颗粒状物料。

工作原理及结构特点:混合桶自转时也同时以4倍于自转速度进行上下摆动,物料在无离心力作用下混合,减少了比重的偏析。该机具有三维运动,增加了混合桶内的混合点,混合均匀度高,装载系数大。

主要技术参数:

混合桶容积(l):	400
装料容积(l):	300
装料重量(kg):	200
主轴转速(r/min):	20

配套电机(kW): 4

外形尺寸(mm): 1500×2200×1500

其它规格:HD—5, HD—20, HD—100, HD—200, HD—600, HD—800, HD—1000

CHINA PHARMACEUTICAL EQUIPMENT 63

COMMODITY: OSCILLATING GRANULATOR

MODEL: YK 160

APPLICATION:

It is used for granulating wet powdered material in pharmaceutical, chemical and foodstuff industries, etc.

FEATURES:

By means of reciprocal of the powder scraper, the materials are extruded to form granules through the screen.

TECHNICAL DATA:

Production capacity(kg/h):	300~400
Diameter of powder scraping roller(mm):	160
Oscillating frequency of powder scraping roller (times/min):	65

POWER(kW): 1.5

OVERALL DIMENSIONS(mm): 1,030×450×1,100

OTHER SPECIFICATIONS:

YK 140-A, YK 160-A, YK 160-B

产品名称:摇摆式颗粒机

型号规格:YK 160

主要用途:用于医药、化工、食品等行业,将潮湿的粉状物料制成颗粒。

工作原理及结构特点:通过机械传动,使刮粉轴往复摆动,将物料从筛网中挤出,制成颗粒。

主要技术参数:

生产能力(kg/h):	300~400
刮粉轴直径(mm):	160
刮粉轴摆动次数(次/min):	65

配套电机(kW): 1.5

外形尺寸(mm): 1030×450×1100

其它规格:YK140—A, YK160—A, YK160—B

CHINA PHARMACEUTICAL EQUIPMENT 65

COMMODITY: EXTRUSION GRANULATOR

MODEL: JZL 60

APPLICATION:

It is applicable to the pharmaceutical, chemical, foodstuff and forage industries for producing granules of different sizes wetly.

FEATURES:

Wet materials are directly extruded into granules through the screw and net plate. The granular products possess the advantages of the regular shape, tight construction, with little fine powder, anti-moisture and long storage period.

TECHNICAL DATA:

Production capacity(kg/h):	20~50
Finish product size (mm):	Ø0.5~3
Center distance of 2 screws(mm):	60
Extrusion shaft speed(r/min):	15~16, stepless regulating

POWER(kW): 1.5

OVERALL DIMENSIONS(mm): 890×650×1,460

OTHER SPECIFICATIONS:

产品名称:挤压造粒机

型号规格:JZL 60

主要用途:用于医药、化工、食品、饲料等行业,湿法制作各种规格的颗粒。

工作原理及结构特点:湿物料通过螺杆及网板硬性挤压形成颗粒。所制颗粒形状规则,质地紧密,细粉少,不易吸湿,产品保存期长。

主要技术参数:

生产能力(kg/h): 20~50

成品粒度(mm): $\varnothing 0.5\sim 3$

两螺杆中心距(mm): 60

挤压轴转速(r/min): 15~16 无级变速

配套电机(kW): 1.5

外形尺寸(mm): 890×650×1460

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 67

COMMODITY: HIGH SPEED MIXER/GRANULATOR

MODEL: SHK-220A

APPLICATIONS:

This equipment is used for mixing powder materials and making them into granule, such as tablets, capsules and medicines which can be taken after being mixed with boiling water, and also can be used for material mixing in food and chemical industries.

FEATURES:

Material is stirred and evenly mixed by using stirring paddle. Then atomized bonding agent is added. The even wet granule is formed by the both actions of stirring paddle and cutter. This equipment adopts explosion-proof structure.

TECHNICAL DATA:

Effective volume (L):	220
Productivity (kg/batch):	100
Time for making granule (min/batch): dry and mix:	about 2 min
	making granule:
	about 1~4min
Mesh number for making granule (mesh):	30~100
Stirring speed (r/min):	80/270
Cutting speed (r/min):	1,500/3,000
POWER (kW):	16.5
OVERALL DIMENSIONS (mm):	2,195×970×1,570

OTHER SPECIFICATION:

SHK-220B; SHK-220FB; SHK-110; SHK-20A; SHK-20TS

产品名称:湿法混合颗粒机

型号规格:SHK—220A

主要用途:用于制药等行业,将粉状物料混合与制粒。

工作原理及结构特点:原料经搅拌桨搅拌,使其混合均匀。加入雾状粘合剂,在搅拌桨和切刀同时作用下形成均匀的湿颗粒。

主要技术参数:

有效容积(l):	220
生产能力(kg/批):	100
制粒时间(min/批):	干混约 2/制粒约 1~4
制粒目数(目):	30~100
搅拌速度(r/min):	180/270
切刀速度(r/min):	1500/3000
配套电机(kW):	16.5
外形尺寸(mm):	2195×970×1570

其它规格: SHK—220B, SHK—220FB, SHK—110,
SHK—20A, SHK—20TS

CHINA PHARMACEUTICAL EQUIPMENT 69

COMMODITY: FLUID-BED DRYING GRANULATOR

MODEL: FL-120A

APPLICATIONS:

It is used for one-step granulating and granules coating in pharmaceutical, foodstuffs and chemical industries.

FEATURES:

The machine utilizes high speed hot air flow to make the seeds powder on the fluid-bed be suspended and fluidized, then turns it into porous granules by spraying liquid materials onto the surface of the seeds. The machine combines multiple functions of mixing, spraying, drying, granulating and coating into one. The inside surface of the machine is very smooth and clean without dead corner and it meets 'GMP' requirement.

TECHNICAL DATA:

Production capacity (kg/h): 100~400

Diameter of container (mm): 1,200

Operation temperature (°C):

Automatic regulation forms indoor
temperature to 160°C

Moisture content: <0.2

POWER (kW): 18.5

OVERALL DIMENSIONS (mm): 2,300×1,530×3,230

OTHER SPECIFICATION:

FL-5A FL-15A FL-30A FL-60A FL-200A FL-300A FL-500A

产品名称: 沸腾干燥制粒机

型号规格: FL—120A

主要用途: 用于医药、食品、化工等行业的制粒及干燥。

工作原理及结构特点: 高速热气流使流化床内种子粉末成流态化, 液态物料喷成雾状凝聚在种子表面结成多孔状颗粒。集混合、喷雾干燥、制粒、颗粒包衣功能于一体, 设备内表面光洁、无死角。

主要技术参数:

处理能力(kg/h):	100~400
容器直径(mm):	1200
操作温度(°C):	室温~160(自动调节)
产品水份(%):	≤0.2

配套电机(kW): 18.5

外形尺寸(mm): 2300×1530×3230

其它规格: FL—5A, FL—15A, FL—30A, FL—60A, FL—200A, FL—300A, FL—500A

CHINA PHARMACEUTICAL EQUIPMENT 71

COMMODITY: FLUID-BED GRANULATOR

MODEL: FL 60 B

APPLICATIONS:

It is applicable to the pharmaceutical, food, chemical and light industries for material granulating and drying.

FEATURES:

The powdery materials are fluidized and mixed evenly by means of the negative pressure in the hermetic vessel. By spraying the atomized bonding agent into the vessel, the powdery materials inside will be moist and coagulate, then be dried by the hot air to form into porous granules.

TECHNICAL DATA:

Production capacity (kg/batch):	60
Finish product grain (mm):	$\varnothing 1.13 \sim \varnothing 0.173$
Operation temperature ($^{\circ}\text{C}$):	room temperature 100

POWER (kW): 8

OVERALL DIMENSIONS (mm): 2,200 \times 1,400 \times 3,350

OTHER SPECIFICATION:

FL-3 FL-60C FL-120C FL-120B

产品名称: 沸腾制粒机

型号规格: FL 60B

主要用途: 用于制药、食品、轻工、化工等行业对物料制粒和干燥。

工作原理及结构特点: 在密闭的容器中,通过负压使粉状物料呈流化状态,并达到均匀混合,然后喷入雾化粘合剂,使粉状的物料湿润,并产生凝聚,再经热空气干燥,形成多孔状颗粒。

主要技术参数:

生产能力(kg/批): 60

成品粒度(mm): $\varnothing 1.13 \sim \varnothing 0.173$

操作温度(°C): 室温~100

配套电机(kW): 8

外形尺寸(mm): 2200×1400×3350

其它规格: FL3, FL60C, FL120C, FL120B

CHINA PHARMACEUTICAL EQUIPMENT 73

COMMODITY: FLUID-BED ROTARY GRANULATING/
COATING MACHINE

MODEL: FXLY-60

APPLICATIONS:

It is used in pharmaceutical, foodstuffs and chemical industries for making compact ball granules, pellets and fine & micro granules as well as coating of pellets.

FEATURES:

By the action of rotary disk, the fluidized powder formed in fluid-bed spirally rotates along periphery of fluid-bed, where, adhesive liquid is sprayed on the powder so that it is agglutinated. Then by the centrifugal action, it rolls constantly along smooth wall surface until it is formed into compact granules.

TECHNICAL DATA:

Capacity(L):	105
Steam consumption(kg/h):	180
Compressed air consumption(m ³ /min):	0.9
Number of nozzles(piece):	2

POWER (kW): 11.5 7.5

OVERALL DIMENSIONS (mm): 1,800×2,400×3,200

OTHER SPECIFICATION:

FXLY-5 FXLY-30 FXLY-100 FXLY -200

产品名称:流化床旋转制粒/包衣机

型号规格:FXLY—60

主要用途:用于医药、化工、食品等行业制备致密球形颗粒、丸粒、精细微粒颗粒及丸粒的包衣。

工作原理及结构特点:流化床内形成流态化的粉末在旋转圆盘作用下,沿流化床周边以螺旋运动的方式旋转,粘合液喷洒其上,使其胶结,再由于离心力作用使其不断沿光滑壁面滚动,使颗粒达到致密球形。

主要技术参数:

容量(l):	105
蒸汽耗量(kg/h):	180
压缩空气耗量(m ³ /min):	0.9
喷嘴数量(个):	2

配套电机(kW): 11.5、7.5

外形尺寸(mm): 2000×2400×5200

其它规格:FXLY—5 FXLY—30 FXLY—100 FXLY

COMMODITY: GRINDING AND GRANULATING MACHINE

MODEL: FZ-150

APPLICATIONS:

It is used in pharmaceutical, foodstuffs and fine chemistry processing industries, not only for grinding viscose, gummy, heat-sensitive, moist and hard, but also for brittle materials.

FEATURES:

The material drops into the cone-shaped screening chamber, owing to the shearing between the high-speed rotating blade and the sieve surface, the material is ground into a smaller size and discharged through the sieve meshes. The ground size is decided by utilizing sieves with different mesh and adjusting the gap between the blades.

TECHNICAL DATA:

Production capacity(kg/h):	12~150
Grinding grain fineness (mm):	0.3~3.35
Chamber temperature increased (°C):	≤40
Regulation range of speed(r/min):	30~3650
POWER (kW):	0.55
OVERALL DIMENSIONS (mm):	650×480×1,200

OTHER SPECIFICATION:

FZ-300 FZ-450 FZ-700 FZ-1000

产品名称:粉碎整粒机

型号规格:FZ—150

主要用途:用于制药、食品、精细化工等行业的物料粉碎,尤其适合粉碎热敏性药物、废药片及废胶囊,并可用于湿料制粒、整粒。

工作原理及结构特点:物料由进料口进入筛分室,受到回转刀与筛网之间的剪切作用,被粉碎出网。颗粒大小可通过回转刀与网面之间的距离及筛网目数决定。该机发热量小,粉尘少,粉碎粒度均匀,便于清洗。

主要技术参数:

生产能力(kg/h):	12~150
粉碎粒度(mm):	0.3~3.35
整粒室温升(°C):	≤40
调速范围(r/min):	30~3650

配套电机(kW): 0.55

外形尺寸(mm): 650×480×1200

其它规格:FZ—300 FZ—450 FZ—700 FZ—1000

CHINA PHARMACEUTICAL EQUIPMENT 77

COMMODITY: ROTARY TABLET PRESS

MODEL: ZPW21A

APPLICATIONS:

It is mainly used in pharmaceutical industry and also in the chemical, foodstuffs, electronic, pottery, plastic and powdery metallurgy industries. The machine can press not only round tablets but also different geometrical shape tablets, double-layered and annular tablets. The tablets may have the impressed letters on both sides.

FEATURES:

Through mechanical transmission, it makes upper and lower punches fixed in turret along track go up and down, and finishes feeding, filling, pressing tablet out with continuous action. Pressure is controlled by hydraulic system. ZPW21A is a new designed type to meet GMP standard. The parts which contact the material are made of stainless steel and their surface is specially processed to avoid pollution.

TECHNICAL DATA:

Punches:	21
Production capacity:	15,000~45,000pcs/h
Max. pressure (KN):	80
Max. pre-pressure (KN):	20
Max. depth of filling (mm):	18
Max thickness of tablet (mm):	9
Turret speed (r/min):	12~36
POWER (kW):	3
OVERALL DIMENSIONS (mm):	900×840×1,640

OTHER SPECIFICATION:

ZP100 (ZPY136, ZPY134, ZPY129, ZPY124, ZPY150 ZP19, ZP21, ZP25, ZP33, ZP33B, ZP35, ZP35A

产品名称:旋转式压片机

型号规格:ZPW 21A

主要用途:用于制药、化工、食品、电子、陶瓷、塑料、粉末冶金等行业将颗粒状物料压制成圆形片、异形片、双层片、环形片及双面刻字片。

工作原理及结构特点:通过机械传动、使转盘上的上、下冲杆沿轨道作升降运动,完成加料、充填、压片、出片的连续动作。本机压片力由液压系统设定。ZPW21A是按药品 GMP 要求设计的新机型,除保留原机的基本压制功能外,在压制室上作了改进,压制室采用四门有机玻璃封闭结构,与外界环境隔离,室内与物料接触的各构件均采用不锈钢制成或者表面经过特殊防腐处理,避免了物料受污染。

主要技术参数:

生产能力(万片/h):	1.5~4.5
冲模数(副):21	最大充填深度(mm): 18
最大压片力(kN):80	最大片剂厚度: 9
最大压片直径(mm):20	转台转速(r/min): 12~36

配套电机(kW): 3

外形尺寸(mm): 900×840×1640

其它规格:ZP100 系列 (ZPY136、ZPY134、ZPY129、ZPY124、ZPY150)、ZP19、ZP21、ZP25、ZP33、ZP33B、ZP35、ZP35A

CHINA PHARMACEUTICAL EQUIPMENT 79

COMMODITY: ROTARY TABLET PRESS

MODEL: ZP33

APPLICATIONS:

It is mainly used in pharmaceutical industry and also in the field of chemistry, foodstuffs, electronics for pressing various granular raw materials into tablets or medicines.

FEATURES:

The upper and lower punches move up and down along the tracks when the turret is in rotation, so as to achieve the goal of filling, pressing tablets. The tablets can be discharged continuously. The mechanism of the machine is double-press type.

TECHNICAL DATA:

Production capacity(pcs/h):	43,000~110,000
Max. dia. of tablet(mm):	12
Max. depth of filling (mm):	15
Max. thickness of tablet(mm):	6

POWER (kW): 2.2

OVERALL DIMENSIONS (mm): 930×900×1,600

OTHER SPECIFICATION:

ZP15 ZPT-15 ZP19 ZP19A ZP33A ZP33B ZP33

ZP35 ZP35A ZP37 YH20

产品名称:旋转式压片机

型号规格:ZP 33

主要用途:用于制药、化工、电子、食品等行业将颗粒状原料压制成片剂或块剂。

工作原理及结构特点:通过机械传动,使转盘上的上、下冲杆沿轨道作升降运动,完成充填、压片、出片的连续动作。本机为双压式结构。

主要技术参数:

生产能力(万片/h):	4.3~11
压片力(kN):	40
最大压片直径(mm):	12
充填深度(mm):	15
片剂厚度(mm):	6

配套电机(kW): 2.2

外形尺寸(mm): 930×900×1600

其它规格:ZP15,ZPT—15,ZP19,ZP19A,ZP33A,ZP33B,
ZP33C,ZP35,ZP35A,ZP37,YH20

CHINA PHARMACEUTICAL EQUIPMENT 81

COMMODITY: HIGH SPEED ROTARY TABLET PRESS

MODEL: GZPK37A

APPLICATIONS:

For pressing granular raw materials into tablets in pharmaceutical, chemical, food and electrical industry.

FEATURES:

The machine is automatically controlled by computer. The computer control system monitors the tablet production on both sides. With different menu function, it completes the collection of trial production parameters, control of production data, automation adjustment, rejection of unqualified tablets, regular printing / sampling, trouble alarming.

TECHNICAL DATA:

Production capacity(pcs/h):	10,000~340,000
Max. pressure (kN):	100
Max. pre-pressure(kN):	20
Max. dia. of tablet(mm):	25
Max. thickness of tablet(mm):	11

POWER (kW): 11

OVERALL DIMENSIONS (mm): 900×840×1,640

OTHER SPECIFICATIONS:

GZPK100 (138, 132, 126)

产品名称:高速旋转式压片机

型号规格:GZPK 37A

主要用途:用于制药、化工、食品、电子等行业将颗粒状物料压制成片剂。

工作原理及结构特点:本机采用计算机控制,每项菜单分别进行试生产参数采集和生产参数数据管理,具有自动调节、剔废、定时打印、采样及故障报警等功能。

主要技术参数:

生产能力(万片/h):	1~34
最大主压力(kN):	100
最大预压力(kN):	20
最大压片直径(mm):	25
最大片厚(mm):	11

配套电机(kW): 11

外形尺寸(mm): 1600×1520×2200

其它规格:GZPK100 高速系列旋转式压片机(138 型、132 型、126 型)

CHINA PHARMACEUTICAL EQUIPMENT 83

**COMMODITY: FULLY AUTOMATIC HIGH-SPEED
TABLET PRESS**

MODEL: GZP-28

APPLICATIONS:

It is used for pressing tablet with granular material.

FEATURES:

The rotation disc is driven by a stepless speed regulator to make the upper and lower heads move relatively in die, and then filling, pre-pressing, pressing, producing tablet, etc are completed. Through transmitting to press the signal by the computer, it can automatically control the weight of tablet, reject the waste, and print all kinds of statistical data.

TECHNICAL DATA:

Number of heads (set):	28
Production capacity (pcs/h):	50,000~181,500
Tablet diameter (mm):	5.5~12
Maximum major pressure (kN):	80
Maximum depth of filling (mm):	16

POWER (kW):

OVERALL DIMENSIONS (mm): 690×980×1,826

OTHER SPECIFICATION:

GZP-28B

产品名称:全自动高速压片机

型号规格:GZP—28

主要用途:用于将颗粒状原料压制成片剂。

工作原理及结构特点:本机由无级变速器带动转盘转动,使上、下冲头在冲模中产生相对运动,完成充填、预压、加压、出片等动作,通过对压力信号的计算机处理,实现对片重的自动控制及剔废,可打印各种统计数据。

主要技术参数:

冲头数(副):	28
生产能力(万片/h):	5~18.15
压片直径(mm):	5.5~12
最大主压力(kN):	80
最大充填深度(mm):	16

配套电机(kW):

外形尺寸(mm): 690×980×1826

其它规格:GZP—28B

CHINA PHARMACEUTICAL EQUIPMENT 85

COMMODITY: STEPLESS VARYING SPEED STAINLESS
SUGAR-COATING MACHINE

MODEL: TNW 800

APPLICATIONS:

It is used in pharmaceutical plant for producing large number of sugar-coated tablets, pills or ball-shaped foodstuffs, as well it can be used for polishing sugar-coated tablets.

FEATURES:

The stepless speed regulator is driven by motor to make the sugar coating pot finish coating. The rotation speed can be adjusted, due to which various tablets can be coated.

TECHNICAL DATA:

Diameter of pot (mm):	Ø800
Production capacity (kg):	50
Rotation speed of pot (r/min):	0~50
Power for heating (kW):	6

POWER (kW): 1.47

OVERALL DIMENSIONS (mm): 800×1,300×1,650

OTHER SPECIFICATION:

TNW200 TNW300 TNW400 TNW500 TNW1000 TNW1000I

产品名称:无级调速不锈钢糖衣机

型号规格:TNW800

主要用途:用于制药厂大批量生产糖衣片、丸,滚制球形食品和化工产品,并可用于糖衣片打光。

工作原理及结构特点:电机驱动无级变速器使糖衣锅旋转完成包衣过程。转速可调,能满足各种药片在不同转速下的包衣要求。

主要技术参数:

锅体直径(mm):	∅800
生产能力(kg/次):	50
锅体转速(r/min):	0~50
加热功率(kW):	6

配套电机(kW): 1.47

外形尺寸(mm): 800×1300×1650

其它规格:TNW200 TNW300 TNW400 TNW500

TNW1000 TNW1000II

COMMODITY: HIGH EFFICIENCY COATING MACHINE

MODEL: BGB-150

APPLICATIONS:

This equipment is used for coating sugar, organic film or aqueous film of Chinese herbal medicines and Western tablets in pharmaceutical industry.

FEATURES:

The pre-loaded tablets run in the coating pan and coating medium are sprayed on the tablet surface. Hot air is supplied for drying, so the even and sturdy protective film can be formed on the tablet surface. The coating process is fully hermetic and automatic. There are three spraying systems in order to meet the different requirements. Atomization air and air for blowing the atomization liquid into flat shape for the spraying gun can be separately adjusted. Specially designed structure makes the gun avoid blockage.

TECHNICAL DATA:

Productivity (kg/batch):	150
Drum speed (r/min):	3~18
Hot air temperature (°C):	from indoor temperature to 80
Steam consumption (kg/h):	100
Air consumption (m ³ /h):	90
POWER (kW):	10
OVERALL DIMENSIONS (mm):	1,680×1,260×2,000

OTHER SPECIFICATION:

BGB-10, BGB-75

产品名称:高效包衣机

型号规格:BGB—150

主要用途:用于医药行业为中、西药片包敷糖衣、有机薄膜或水溶薄膜。

工作原理及结构特点:片芯在包衣机旋转滚筒内作复杂的轨迹运动,包敷介质喷洒在片芯上,并供热风进行干燥,使片芯表面快速形成坚固均匀的保护膜。包衣过程全密闭,自动化。配有三种喷雾系统,可满足包制糖衣、肠溶衣或胃溶衣的需要。整机采用防爆结构。

主要技术参数:

生产能力(kg/批): 150

滚筒转速(r/min): 3~18

热风温度(°C): 室温~80

蒸汽耗量(kg/h): 100

空气耗量(m³/h): 90

配套电机(kW): 10

外形尺寸(mm): 1680×1260×2000

其它规格:BGB—10,BGB—75

CHINA PHARMACEUTICAL EQUIPMENT 89

COMMODITY: HIGH-EFFICIENCY SUGAR COATING
MACHINE

MODEL: BGB-75B

APPLICATIONS:

It is used for coating sugar, organic film and aqueous film of Chinese herbal medicines and Western tablets in pharmaceutical, foodstuff industry.

FEATURES:

The pre-loaded tablets run in the coating pan and coating medium is sprayed on the tablet surface. Hot air is supplied for drying, so the even and sturdy protective film can be formed on the tablet surface. It is controlled by PLC and has multi-option for choose. It has auto input and discharge unit.

TECHNICAL DATA:

Production capacity (kg/times):	75
Drum speed (rpm):	4~20
Hot air temperature (°C):	0~80
Filtering accuracy of hot air((m):	0.5

POWER (kW): 1.1

OVERALL DIMENSIONS (mm): 1,320×1,013×1,630

OTHER SPECIFICATION:

BGB-10 BGB-75A BGB-150A BGB-150B

产品名称:高效包衣机

型号规格:BGB—75B

主要用途:用于制药、食品行业片剂、丸剂、糖果包制糖衣、薄膜。

工作原理及结构特点:片芯在滚筒中作复杂的轨迹运动,在负压状态下热风穿过片芯层,从底部排出。喷洒在片芯上的包衣介质快速干燥,形成坚固光滑的表面薄膜。该机工作过程由微机控制,备有多种程序可供选择,并配有自动进出料装置。

主要技术参数:

生产能力(kg/次):	75
滚筒调速范围(r/min):	4~20
调温范围(°C):	0~80
空气过滤精度(μm):	0.5

配套电机(kW): 1.1

外形尺寸(mm): 1320×1013×1630

其它规格:BGB—10 BGB—75A BGB—150A BGB—150B

CHINA PHARMACEUTICAL EQUIPMENT 91

COMMODITY: TABLET DEDUSTING UNIT

MODEL: CFQ-I

APPLICATIONS:

It is used for removing dust from tablet, piece and granule in pharmaceutical, chemical and food industries, etc.

FEATURES:

It is the necessary accessories of the high-speed tablet press, and can be used with the vacuum cleaner.

TECHNICAL DATA:

Output efficiency (tablets/h): 550,000(Ø6 tablet)

POWER (kW):

OVERALL DIMENSIONS (mm): Ø320×950

OTHER SPECIFICATION:

产品名称:除粉器

型号规格:CFQ—1

主要用途:用于医药、化工、食品等行业片、块、粒状产品
除尘。

工作原理及结构特点:本机是高速压片机配套设备,可与
气动吸尘装置配套使用。

主要技术参数:

输出效率(万片/h): 55(Ø6片)速度连续可调

配套电机(kW):

外形尺寸(mm): Ø320×950

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 93

COMMODITY: AMPOULE CLEANING-DRYING AND
FILLING-SEALING MACHINE

MODEL: BXSZ1/20

APPLICATIONS:

It is applicable for producing liquid injection ampoules in the pharmaceutical industry.

FEATURES:

This set can complete such procedures as ultrasonic cleaning , multi-nozzle water and steam washing alternately, hot air LF sterilizing, LF purification, multi-nozzle filling, wire drawing and sealing etc.

TECHNICAL DATA:

Applicable size (ml): 1~20

Production capacity (pieces/h): 1,2ml 16,000

POWER (kW): 44

OVERALL DIMENSIONS (mm): 7,500×2,100×2,600

OTHER SPECIFICATION:

产品名称:安瓿洗、烘、灌、封联动机组

型号规格:BXSZ 1/20

主要用途:用于医药行业生产安瓿水针剂。

工作原理及结构特点:本机组可完成超声波清洗、多针水气交替冲洗、热层流消毒、层流净化、多针灌装和拉丝封口等工序。

主要技术参数:

适用规格(ml): 1~20

生产能力(支/h): 1,2ml 16000

配套电机(kW): 44

外形尺寸(mm): 7500×2100×2600

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 95

COMMODITY: AMPOULE WASHING, DRYING &
SEALING PRODUCTION LINE

MODEL: ACSD 1-20

APPLICATIONS:

It is applicable for producing liquid injection of 1~20 ml ampoules in the pharmaceutical industry.

FEATURES:

This line consists of three separate machines, such as QCA series ultrasonic ampoule washer, SZA 400/18 far-infrared or SZA 400/32 hot air circular sterilizer, and DGA 6//1-20 ampoule filling and sealing machine. It can carry out the processes of water rinsing, cleaning with ultrasonic and water vapor alternatively, drying, sterilizing, cooling, nitrogen charging, liquid filling and sealing. It adopts the laminar flow protection and frequency conversion and PLC as control techniques. .

TECHNICAL DATA:

Production capacity (pcs. /h):	1~2 ml	15,000~16,000
	5ml	12,000
	10ml	8,000
	20ml	4,500

POWER (kW):

OVERALL DIMENSIONS (mm): 3,500×2,300×2,400

OTHER SPECIFICATION:

产品名称:安瓿洗、烘、灌、封联动机

型号规格:ACSD 1—20

主要用途:用于医药行业生产 1~20ml 安瓿水针剂。

工作原理及结构特点:本机组由 QCA 系列安瓿超声波清洗机、SZA400/18 型远红外或 SZA400/32 型热风循环杀菌干燥机、DGA6/1—20 型安瓿灌装封口机三台单机组成。可完成喷淋灌水、超声波及水气交替冲洗、干燥灭菌、冷却、充氮、灌液与封口等工序。设有百级层流保护,采用变频、PLC 等控制技术。

主要技术参数:

生产能力(支/h):	1、2ml:	15000~16000
	5ml:	12000
	10ml:	8000
	20ml:	4500

配套电机(kW):

外形尺寸(mm): 8500×2300×2400

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 97

COMMODITY: COMPUTERIZED AUGER FILLING MACHINE

MODEL: DLF 5 PC

APPLICATIONS:

It is used for filling crystalline powder, spray-drying powder, freeze-drying powder and powder with poor fluidity.

FEATURES:

The filling machine, which is fully computerized and applies Man-Machine talk and screen display, has eight menus for easy selection. It is easy to set and amend the parameters of the step motor and to choose the opposite rotation of the motor as necessary. If the auger touches the surface of the funnel, the computer will show A or B and alarm. There is no filling while no vial on the filling station.

TECHNICAL DATA:

Capacity:	0.06~2.0g/vial	120vial/min
	2.0~3.0g/vial	70~80vial/min
	5.0g/vial	30~40vial/min
Tolerance:	0.5~2.0g	±2~4%
	150g	±3~6%

POWER (kW):

OVERALL DIMENSIONS (mm): 1,450×900×1,700

OTHER SPECIFICATION:

产品名称:电脑自控螺杆分装机

型号规格:DLF 5PC

主要用途:用于结晶粉、喷雾干燥粉、冻干粉及流动性差的药粉的分装。

工作原理及结构特点:本机全部采用电脑控制,实现人机对话,屏幕显示设有8个菜单可任意选用、任意设定与修改步进电机运行参数和电机是否加反转,任何一个螺杆“碰壳”A/B,电脑立即会显示和报警。加有工位无瓶则相对应的分装头不下粉的功能。

主要技术参数:

生产能力:	0.06~2.0 克装	120 瓶/分
	2.0~3.0 克装	70~80 瓶/分
	5.0 克装	30~40 瓶/分
装量误差:	0.5~2.0 克装	±2~4%
	150mg	±3~6%

配套电机(kW): 2kW, 380VAC, 50Hz

外形尺寸(mm): 1450×900×1700

其它规格:

CHINA PHARMACEUTICAL EQUIPMENT 99

COMMODITY: COMPUTER-CONTROLLED SCREW
TYPE POWDER BOTTLING MACHINE

MODEL: FZL2-120

APPLICATIONS:

It is used in pharmaceutical factories for automatic filling powder into bottles of diameters $\varnothing 22\sim 33$ and sealing.

FEATURES:

Advanced micro computer program-controlled is adopted in this unit. It is equipment with such functions as , stopping filling while there is no bottle, and detecting when touching with bottle wall. The speed of main motor is regulated by frequency inverter. Some parts which contact powder are made of stainless steel. It is easy to operate and repair, and is safe and reliable.

TECHNICAL DATA:

Production capacity(bottles/min):	120
Measurement precision:	$\pm 1\%\sim 3\%$
Sealing types:	Automatic rolling sealing
Sealing ratio:	99.5%

POWER (kW): 0.8

OVERALL DIMENSIONS (mm): 1,800×1,200×1,550

OTHER SPECIFICATION:

产品名称:微机数控螺杆粉剂灌装机

型号规格:FZL 2—120

主要用途:用于制药厂生产直径 22~32mm 西林瓶的粉剂自动灌装及封口。

工作原理及结构特点:本机采用先进的微机程控,参数记忆断电不丢失,无瓶止灌,碰壳检测等功能。采用步进电机调速,与药粉接触的部分全部采用不锈钢件,易于操作及维护,使用安全可靠。

主要技术参数:

生产能力(瓶/分):	120
计量精度(%):	±1~3
落塞方式:	机械自动滚塞
带塞率(%):	99.5

配套电机(kW): 0.8

外形尺寸(mm): 1800×1200×1550

其它规格:

**COMMODITY: ANTIBIOTIC POWDER PRODUCTION
LINE**

MODEL: HFZ-300

APPLICATIONS:

It can be used for filling and packaging antibiotic powder.

FEATURES:

This production line consists of an ultrasonic vial cleaning machine, sterilizing tunnels, drying box, powder filling machine, capping machine, labeling machine, semi-product inspection belts and four damper trays. The cleaning, drying, sterilizing, powder filling, rubber stopping, capping, inspection, labeling of vials and finished products can all be accomplished automatically.

TECHNICAL DATA:

Production capacity (vials/min):	280~300
Charge of powder (mg):	250~500
Filling tolerance(%):	±5
Sterilizing temperature (°C):	350±7
Broken rate of vials(%):	0.2
Missing probability of rubber plug(%):	0.3
Defective for labeling(%):	1

POWER (kW):

OVERALL DIMENSIONS (mm): 23,040×3,000×3,100

OTHER SPECIFICATION:

产品名称: 抗生素粉针生产联动线

型号规格: HFZ—300

主要用途: 用于抗生素粉剂的充填、包装。

工作原理及结构特点: 全线由超声波洗瓶机、隧道消毒烘干箱、分装机、轧盖机、贴签机及半成品检查台和四个缓冲转盘组成。自动完成洗瓶、烘干消毒、装粉、上胶塞、加铝盖、检查、贴签出成品全部过程。

主要技术参数:

生产能力(瓶/min):	280~300
装药量(mg):	250~500
装量误差(%):	±5
灭菌温度(°C):	350±7
玻璃瓶破损率(%):	0.2
盖胶塞失误率(%):	0.3
贴标签不合格率(%):	1

配套电机(kW):

外形尺寸(mm): 23040×3000×3100

其它规格:

COMMODITY: RUBBER STOPPER WASHING STERILIZATION-DRYING MACHINE

MODEL: JS-140

APPLICATIONS:

It is used for washing, sterilizing, drying, and meets the GMP standard.

FEATURES:

The rubber stoppers are sucked into the vessel by vacuum, then they are washed by clean water and compressed air and be dried through the high temperature sterilizer. All rubber stoppers are sterilized as the whole procedure is finished in a hermetic vessel.

TECHNICAL DATA:

Vessel diameter(mm): 1,400

Treatment quantities (piece/batch):
180,000(stopper for antibiotics)

POWER (kW): 11

OVERALL DIMENSIONS (mm): 3,700×1,650×3,200

OTHER SPECIFICATION:

JS-90 JS-100

产品名称:胶塞洗涤—灭菌—干燥联合机组

型号规格:JS—140

主要用途:用于医药、化工、食品等行业胶塞的洗涤、灭菌和干燥。

工作原理及结构特点:通过真空将胶塞抽入转筒,经压缩空气和水自动清洗,蒸汽高温消毒灭菌,热空气干燥,胶塞得到净化。全过程在一个封闭的容器内完成。

主要技术参数:

容器直径(mm): 1400

处理量(只/批): 180000(抗生素瓶胶塞)

配套电机(kW): 11

外形尺寸(mm): 3700×1650×3200

其它规格:JS—90 JS—100

**COMMODITY: PROGRAM CONTROL RUBBER STOPPER
WASHER**

MODEL: MJK-80

APPLICATIONS:

It is suitable for pharmaceutical, chemical, foodstuffs industries etc. to wash, sterilize and dry the rubber stopper.

FEATURES:

This machine is equipped with PLC and can automatically finish all process of washing, sterilizing and drying. Rubber stopper are loaded in separate small vessel and can be washed circularly. It has such functions: as displaying working state and trouble alarming, Chinese prompting and report printing etc.

TECHNICAL DATA:

Capacity(pcs/batch):	30,000
Stopper to be used:	A2 rubber stopper

POWER (kW): 25.51

OVERALL DIMENSIONS (mm): 2,000×2,500×2,500

OTHER SPECIFICATION:

产品名称:程控胶塞清洗机

型号规格:MJK—80

主要用途:用于医药、化工、食品等行业胶塞的洗涤、灭菌和干燥。

工作原理及结构特点:本机采用可编程控制器,自动完成各种胶塞的清洗、硅化、消毒、干燥全过程、胶塞分仓装入、循环清洗。该机并具有工况显示、报警、中文揭示及报表打印等功能。

主要技术参数:

生产效率(只/次): 30000(A₂ 胶塞)

采用的胶塞: A₂ 橡胶塞

配套电机(kW): 25.51

外形尺寸(mm): 2000×2500×2500

其它规格:

COMMODITY: MULTI FUNCTIONAL FULLY-AUTO-
MATIC ULTRASONIC RUBBER-CORK
WASHER

MODEL: DQX-1B

APPLICATIONS:

As a specially-used equipment in medical line, the washer is suitable to wash, bake dry and sterilize medical infusion and oral-liquid rubber corks and Al-lid.

FEATURES:

1. The washer combines the multi-procedures originally used to process rubber corks as an one operation of washing, silicizing, baking dry and sterilizing, uses a new-style programmable controller to control and completes all procedures once inside of it with a fully-sealed operation.

2. Washing with ultrasonic, further spraying by high pressure water.

3. Baking dry and sterilizing; to bake dry and sterilize under grade 100 of cleanness.

TECHNICAL DATA:

Capacity (pcs/box): 10,000~80,000

Time for washing (min/box): 10~20 (natural rubber cork)
10 (butyl rubber cork)

Time for bake dry and sterilizing(h/box): 2.5

Temperature for sterilizing(°C): 125(5 with circular wind

POWER (kW): 28

OVERALL DIMENSIONS (mm): 2,300×1,620×2,100

OTHER SPECIFICATION:

产品名称:多功能全自动超声波胶塞清洗机

型号规格:DQX—1B

主要用途:本机是医药行业胶塞及铝盖清洗的专用设备,主要用于清洗、烘干、消毒、药用胶塞、输液胶塞、口服液胶塞及铝盖。

工作原理及结构特点:该机将原来的多道工序:洗胶塞、硅化、预烘、干燥及灭菌合为一体。采用新型可编程控制器,全封闭式操作,在机内一次完成全部工序。先用超声波清洗,再用高压水进一步喷淋清洗。烘干及灭菌:在 100 级洁净度下进行烘干、灭菌。

主要技术参数:

生产能力(支/箱): 10000~80000

洗涤时间(分钟/箱): 10~20(天然胶塞)
10(丁基胶塞)

烘干、灭菌时间(小时/箱): 2.5

灭菌温度(℃): 循环风 125±5

配套电机(kW): 28

外形尺寸(mm): 2300×1620×2100

其它规格:

COMMODITY: WATER-BATH TYPE STERILIZER

MODEL: SR 2540/90

APPLICATIONS:

It is used for glass bottles, plastic bottles (bag) of infusion and injection in pharmaceutical industry.

FEATURES:

The facility consists of cabinet, hot water circulation pump, heat exchanger and computer-control cabinet. By using industrial computer, the circulation water in sterilizing cabinet pour out from top to down after being exchanged in heat exchanger. Sterilizing process of temperature going up, stabilizing and cooling down are completed automatically. The whole procedure is automatically controlled, color screen displays the real-time values of temperature, pressure, sterilizing time and default detection and the main parameters of sterilizing process are printed automatically.

TECHNICAL DATA:

Production capacity (bottles/cabinet):	2,540 (500ml)
Nominal pressure (MPa):	0.3
Working temperature (°C):	115
Steam pressure (MPa):	0.4~0.7
Volume (m ³):	5.48
POWER (kW):	12
OVERALL DIMENSIONS (mm):	4,600×4,300×2,580

OTHER SPECIFICATION:

SR-600/90 SR-1200/90 SR-3000/90 SR-4000/90
SR-5000/90 SR-6000/90

产品名称:水浴式灭菌柜

型号规格:SR 2540/90

主要用途:用于医药行业玻璃瓶输液剂和水针剂的灭菌。

工作原理及结构特点:本设备由柜体、热水循环泵、热交换器和微机控制柜组成。微机控制灭菌柜的循环水通过热交换器加热、恒温、冷却、自上向下喷淋,完成灭菌,冷却出瓶过程。全过程自动控制,具有温度、压力数字显示、超限自动报警、F₀值自动打印等功能。

主要技术参数:

生产能力(瓶/90min):	2540(500ml)
设计压力(MPa):	0.3
工作温度(°C):	115
蒸汽压力(MPa):	0.4~0.7
设备容积(m ³):	5.48

配套电机(kW): 12

外形尺寸(mm): 4600×4300×2580

其它规格:SR—600/90 SR—1209/90 SR—6000/90

SR—3000/90 SR—4000/90 SR—5000/90

COMMODITY: QUICK COOLING STERILIZER

MODEL: KLM-B

APPLICATIONS:

It is used for sterilizing of infusion bottles and glass bottles in pharmaceutical industry.

FEATURES:

By using gradually cooled water to cool infusion bottles which have been sterilized, it makes the temperature of infusion bottles decline gradually and also avoids them being broken due to temperature suddenly declined. It is auto-controlled by PLC and its program can be preset.

TECHNICAL DATA:

Pressure (MPa):	0.2
Temperature (°C):	110~121
Steam source pressure (MPa):	0.25~0.69
Water source pressure (MPa):	0.15~0.3
Volume (mm):	1,500×760×1,100
Displacement time (min):	5
Sterilizing time (s):	0~9,999

POWER (kW): 0.5, 0.75

OVERALL DIMENSIONS (mm): 2,400×1,700×2,200

OTHER SPECIFICATION:

XG1 K KLM-C

产品名称:快速冷却灭菌器

型号规格:KLM—B

主要用途:用于医药行业对玻璃瓶输液剂的灭菌处理。

工作原理及结构特点:利用逐渐降温的冷却水对灭菌后的大输液瓶喷淋冷却,使之逐渐降温,避免了大输液瓶因温度骤降而造成的爆瓶现象。PLC自动控制,程序予置。

主要技术参数:

工作压力(MPa):	0.2
工作温度(°C):	110~121
汽源压力(MPa):	0.25~0.69
水源压力(MPa):	0.15~0.3
灭菌容积(mm):	1500×760×1100
灭菌时间(s):	0~9999
置换时间(min):	5
配套电机(kW):	0.5、0.75
外形尺寸(mm):	2400×1200×2200

其它规格:XG1 K KLM—C

COMMODITY: BOTTLE INFUSION PRODUCTION LINE

MODEL: PSY 100/500B

APPLICATIONS:

It is used in production for 100ml, 250ml and 500ml infusion bottles in pharmaceutical industry.

FEATURES:

Except for bottle-transferring machine, bottle-filling machine (linear inject type), plug-turning machine, and cap pressing machine are B-type. In this production line the other necessary machines are as same as A-type line. This line raise the speed of bottle transferring machine and be equipped with filter unit, nitrogen-filled unit, synchronizing filling device, automatic alarm and protection devices, etc.

TECHNICAL DATA:

Production capacity (bottles/h):	1,200~3,000
Filling error (%):	<2
Number of nitrogen-filling feeders:	8
Number of bottle-filling feeders:	8

POWER (kW): 13

OVERALL DIMENSIONS (mm): 28,000×3,400×2,000

OTHER SPECIFICATION:

PSY-100/500C PSY 100/500A PSY-100/500D

产品名称:玻璃瓶输液生产联动线

型号规格:PSY 100/500B

主要用途:用于医药行业生产 250ml 和 500ml 玻璃瓶输液。

工作原理及结构特点:生产线输瓶机、灌装机(直线式)翻盖机、轧盖机为 B 型机外,其余配套单机与 A 型联动线相同,该线提高了输瓶机的速度,并设有终端过滤、充氮、自动报警、停机保护等装置。

主要技术参数:

生产能力(瓶/小时):	1200~3000
灌装误差(%):	<2
充氮头数(个):	8
灌装头(个):	8

配套电机(kW): 13

外形尺寸(mm): 28000×3400×2000(不含贴签机)

其它规格:PSY100/500C PSY 100/500A PSY 100/
500D

**COMMODITY: SEMI-AUTOMATIC CAPSULE FILLING
MACHINE**

MODEL: JTJ-II

APPLICATIONS:

It is suitable for pharmaceutical industry to fill hard capsules with powder and granule.

FEATURES:

The feeding, separation, filling and sleeving of capsules and the discharging of finished products can be accomplished automatically by mechanical driving.

TECHNICAL DATA:

Capacity (capsules/h):	6,000-14,000
Capsules size:	00#, 0#, 1#, 2#, 3#, 4#
Error of weight dosage(%):	less than ± 5
Rate of finished products(%)::	more than 97

POWER (kW): 3.15

OVERALL DIMENSIONS (mm): 1,400 × 950 × 1,480

OTHER SPECIFICATION:

产品名称:半自动胶囊充填机

型号规格:JTJ- I

主要用途:适用于制药行业生产硬胶囊剂。

工作原理及结构特点:采用电器、气动联合控制,配备电子自动计数装置,自动完成播囊、分离、充填药料、套合、并输出成品。

主要技术参数:

生产能力(粒/h):	6000~14000
合格率(%):	97
适用胶囊:	00 [#] 、0 [#] 、1 [#] 、2 [#] 、3 [#]
药量充填误差(%):	<±5

配套电机(kW): 3.15

外形尺寸(mm): 1400×950×1480

其它规格:

COMMODITY: SEMI-AUTOMATIC CAPSULE FILLING
MACHINE

MODEL: NCB-200B

APPLICATION:

Used for filling hard capsules in the pharmaceutical industry.

FEATURES:

The capsule- arranging, setting, separating, filling, sleeving and other processes of capsule-filling are carried out by mechanical drive.

TECHNICAL DATA:

Production capacity(pcs/h):	12,000
Form of drug filled:	powder, granule
Specification of capsule:	0*, 1*, 2*, 3*

POWER(kW): 1.1

OVERALL DIMENSIONS(mm): 1,380×950×1,410

OTHER SPECIFICATIONS:

产品名称:半自动胶囊充填机

型号规格:NCB-200B

主要用途:用于制药行业生产硬胶囊剂。

工作原理及结构特点:通过机械传动,完成胶囊的排囊、就位、分离、充填、锁紧等过程。

主要技术参数:

生产能力(粒/h): 12000

充填剂型: 粉剂、小颗粒

胶囊: 0[#]、1[#]、2[#]、3[#]

配套电机(kW): 1.1

外形尺寸(mm): 1380×950×1410

其它规格:

**COMMODITY: SEMI AUTOMATIC CAPSULE FILLING
MACHINE**

MODEL: JTJ-III

APPLICATIONS:

This machine meets the requirement of medicine and hygiene, which can fill capsules home-made or imported from abroad. It is the ideal equipment for pharmaceutical manufacturers to fill capsules till now.

FEATURES:

This machine combining electrical and pneumatic control, fitted with AC frequency conversion stepless speeder and equipped with an electronic automatic counter and touch-type button, is reliable to use, sensitive to control, and easy to operate and automatically performs such actions as: capsule positioning, separating, filling and locking respectively, so the finished products rate of 97% or more is obtained.

TECHNICAL DATA:

Production capacity(granule/h): 6,000~13,000

Capsule size: 0#, 1#, 2#, 3#

Filling types & forms: powder, pellet

POWER (kW): 2.61

OVERALL DIMENSIONS (mm): 1,240×860×1,480

OTHER SPECIFICATIONS:

产品名称:半自动胶囊充填机

型号规格:JTJ- III

主要用途:适用于国产和进口胶囊的充填。

工作原理及结构特点:本机采用电动、气动联合动作和交流变频无级变速,并配备电子计数装置,触摸式按键,动作灵敏、可靠,操作方便,能分别自动完成胶囊的就位、分离、充填、锁紧等动作。充填剂量准确,充填合格率高于 97%,符合制药卫生要求。

主要技术参数:

生产能力(粒/h):	6000~13000
胶囊:	0#、1#、2#、3#
充填剂型:	粉剂、小颗粒剂

配套电机(kW): 2.61

外形尺寸(mm): 1240×860×1480

其它规格:

COMMODITY: HARD CAPSULE FILLING MACHINE

MODEL: YJF 15

APPLICATIONS:

It can be used to fill the Chinese herbal medicines and western powdery medicines or granules into capsules.

FEATURES:

The feeding, separation, filling and sleeving of capsules and discharging of finished products can be accomplished automatically by mechanical driving.

TECHNICAL DATA:

Production capacity (capsules/min): 1,500

Rate of feed (%): 98

Size of capsule: 0# 1# 2# 3# 4# 5# 00#

POWER (kW): 6.7

OVERALL DIMENSIONS (mm): 1,200×1,050×2,100

OTHER SPECIFICATION:

产品名称:硬胶囊分装机

型号规格:YJF 15

主要用途:用于医药行业将粉、粒状物料充填入胶囊。

工作原理及结构特点:通过机械传动,自动完成排囊、分离、充填药料、套合、输出成品等过程。

主要技术参数:

生产能力(粒/min): 1500

胶囊上机率(%): 98

胶囊规格: 0[#]、1[#]、2[#]、3[#]、4[#]、5[#]

配套电机(kW): 6.7

外形尺寸(mm): 1200×1050×2100

其它规格:

**COMMODITY: FULLY AUTOMATIC CAPSULE FILLING
MACHINE**

MODEL: ZTJ-400

APPLICATIONS:

It is used for filling the capsules with powder or drug granule in pharmaceutical industry.

FEATURES:

The main shaft is driven by a stepless transmission to make the whole devices operate intermittently, and automatically complete vacuum separating the heads and hoods of the capsules, pharmaceutical material filling and product conveying, etc. It can control filling dosage, accumulative total output counting, accumulative total time counting, and reject the unqualified capsules in time.

TECHNICAL DATA:

Production capacity (capsules/min):	400
Capsule acceptability (%):	>98
Capsule specification:	0# 1# 2# 3# 4#
Noise (dB):	<85

POWER (kW): 2.5

OVERALL DIMENSIONS (mm): 790×960×1,800

OTHER SPECIFICATION:

ZTJ-700 ZTJ-800A

产品名称:全自动胶囊充填机

型号规格:ZTJ—400

主要用途:用于医药行业将粉、粒状物料充填入胶囊。

工作原理及结构特点:通过无级变速器驱动主轴,使各机构作间歇运动,自动完成真空分离胶囊体、帽、药物充填、套合、输出成品等。可自动控制充填剂量、产量累积计数、累积计时及排除废胶囊。

主要技术参数:

生产能力(粒/min):	400
胶囊上机率(%):	>98
胶囊规格:	0 [#] 、1 [#] 、2 [#] 、3 [#] 、4 [#]
噪音(dB):	<85

配套电机(kW): 2.5

外形尺寸(mm): 790×960×1800

其它规格:ZTJ—700 ZTJ—800A

**COMMODITY: AUTOMATIC HARD CAPSULE FILLING
MACHINE**

MODEL: CFM 600

APPLICATION:

It is used for filling powder/pellet into the empty hard gelatin capsules.

FEATURES:

The filling machine is running intermittently. All of operation such as separation, powder/pellet dosing, capsule joining and capsule rejection are worked automatically. The double leak-free seal is used to prevent main shaft from wear and being damaged. The frequency control and slow loading are used to improve the life of the machine.

TECHNICAL DATA:

Capacity (pcs/min):	600
Filling percentage(%):	> 98
Capsule size:	00#~5#
Noise(dB):	< 85

POWER(kW): 2.5

OVERALL DIMENSIONS(mm): 700×900×1,800

OTHER SPECIFICATIONS:

CFM 400, CFM 800

产品名称:全自动胶囊充填机

型号规格:CFM 600

主要用途:用于医药行业将粉、粒状物料充填入空胶囊。

工作原理及结构特点:本机采用蜗轮间歇分度机构,所有的生产过程,如体帽分离、粉、粒灌装充填、体帽锁合及成品推出均实现全自动化。充填机构具有双层防渗漏密封圈,有效地防止了主轴磨损过快、抱死现象的出现,整机运转采用无级变频调速及慢加负载控制,提高了机器使用寿命。

主要技术参数:

生产能力(Pcs/min):	600
充填精度(%):	>98
可充填胶囊规格:	00 [#] ~5 [#]
噪音(dB):	<85

配套电机(kW): 2.5

外形尺寸(mm): 700×900×1800

其它规格:CFM 400 CFM 800

COMMODITY: CAPSULE POLISHING MACHINE

MODEL: JMJ-1

APPLICATIONS:

It is used for cleaning dust which adheres to the capsules.

FEATURES:

Capsules enter the cylinder of machine and pass through the polish shaft and brush, which have a helix motion along the guide spring. Dust will be brushed down and sucked by the cleaner. DC serve motor is fitted with the machine . The velocity of rotation can be adjusted.

TECHNICAL DATA :

Capacity (capsules/min): 3,000.

Capsule size: 00# 1# 2# 3# 4#

POWER (kW): 0.185

OVERALL DIMENSIONS (mm): 1,310×405×1,200

OTHER SPECIFICATION:

产品名称:胶囊磨光机

型号规格:JMJ—1

主要用途:用于清除附着在胶囊外壳上的粉尘。

工作原理及结构特点:胶囊经磨光轴毛刷的带动进入筒体,沿着导向弹簧作螺旋运动,粉尘被刷掉后由吸尘器吸走,从而达到磨光的目的。

主要技术参数:

生产能力(粒/min): 3000

适用范围: 00#、1#、2#、3#、4#

配套电机(kW): 0.185

外形尺寸(mm): 1310×405×1200

其它规格:

COMMODITY: SOFT GELATIN ENCAPSULATOR

MODEL: RJNJ-2

APPLICATIONS:

It is suitable for producing medicine, cosmetics and food, etc.

FEATURES:

It is an automatic production line for soft capsule manufacturing, which comprises a main machine, a capsule conveyer, tumbler dryers, an electric control panel, a gelatin tank and material tank, etc. By adopting a frequency inverter, the die rollers of the main machine can be regulated from 0 to 5 rpm steplessly. This machine has the advantage of high level of automation and high productivity, and is accurate in dosage filling.

TECHNICAL DATA:

Rotating speed of die rollers(rpm):

0~5 (stepless speed regulation)

Dimension of die rollers(mm):

Ø103×152

Dosage filling tolerance(%):

±2

POWER (kW):

7

OVERALL DIMENSIONS (mm):

880×640×1,900

OTHER SPECIFICATION:

产品名称:软胶囊机

型号规格:RJNJ—2

主要用途:用于医药、化妆品、食品等行业生产软胶囊。

工作原理及结构特点:本机由主机、输送机、干燥机、电控箱等组成。可以将油类、液体、混悬液或糊状物定量喷注于两条连续生成的明胶带之间,经两个圆筒状成型模具滚压、切断而成球形、圆柱形、橄榄形等形状和大小各异的密封软胶囊。

主要技术参数:

滚模转速(r/min): 0~5(变频无级调速)

滚模尺寸(mm): $\varnothing 103 \times 152$

装量差异(%): ± 2

配套电机(kW): 7

外形尺寸(mm): 880×640×1900

其它规格:

COMMODITY: AUTOMATIC SEAMLESS ENCAPSULATOR

MODEL: DWJ-1

APPLICATIONS:

It is widely used for producing the seamless soft capsules in pharmaceutical, foodstuffs and cosmetics industries.

FEATURES:

The encapsulator adopts the advanced pulsation constriction technology, eliminating shortcomings of the three rod pump encapsulator. When the material solution supplied by a high precision pump and the self-concentric liquid column at the dropper, intermittent pulsation is applied to make the liquid column to break up into evenly dosed droplets, which automatically form spherical gelatin capsules under the action of surface of the liquid. After cooling, congelation and separation, the capsules are automatically ejected form the machine. The encapsulator has a feature of accurate filling dosage, high production rate and automation.

TECHNICAL DATA:

Dosage filling of capsule(mg): 20~500

Production capacity (pills/h): 7,200~43,200

POWER (kW): 1.5/5.0

OVERALL DIMENSIONS (mm): 1,080×800×2,040

OTHER SPECIFICATION:

产品名称:全自动无缝滴丸机

型号规格:DWJ— I

主要用途:用于医药、食品、化妆品等行业生产无缝软胶丸。

工作原理及结构特点:采用脉冲切割技术,当高精度泵供给的料液与带自控的明胶液在滴头处形成同心组合流柱时,脉动液体“刀”均匀将其切割。在液体表面张力作用下自然形成球状软胶丸。经冷却、凝固、分离被自动排出机外。

主要技术参数:

胶丸装量(mg):	20~500
生产能力(丸/h):	7200~43200
平均/最大耗电量(kW):	1.5/5.0

配套电机(kW):

外形尺寸(mm): 1080×800×2042

其它规格:

COMMODITY: GRANULATING AND COATING MACHINE

MODEL: BZJ-1000F

APPLICATIONS:

It can be used for manufacturing of pills and granulating of acetic medicines and slow release medicines, and can also be used in the fields of food , pesticide, detergent and other chemical products.

FEATURES:

This machine has three basic functions: seed beading , granulating and coating. It can produce various globular granules with better globosity, more uniform size and higher qualification rate of percentage.

TECHNICAL DATA:

Rotor diameter(mm):	1,000
Min. input of seed beads(kg):	5
Max. output of globular granules(kg):	50
Granulation diameter(mm):	0.25~22
Max. enlargement:	K=2

POWER (kW): 20

OVERALL DIMENSIONS (mm): 1,800×1,400×1,400

OTHER SPECIFICATION:

产品名称:包衣造粒机

型号规格:BZJ—1000F

主要用途:用于制药行业。完成起母、造粒、包衣及初步干燥等操作。可制造缓释型微胶囊、不同药物分层的组合药粒,也可填充硬胶囊剂。该设备还可用于食品、农药、化妆品、颜料、化工和粉末冶金等领域。

工作原理及结构特点:在旋转的主机转子内,输入一定量的母粒,由于离心力和摩擦力的作用,在定子与转子间的过渡曲面上形成涡旋回转运动的粒子流,按一定规律喷射雾化的浆液和粉状物料,则母粒越滚越大,越滚越圆,成为真球度很高的颗粒。

主要技术参数:

转子直径(mm):	1000
生产能力(kg/批):	50
造粒直径(mm):	0.25~22
母粒输入量(kg):	5
配套电机(kW):	20
外形尺寸(mm):	1800×1400×1400

其它规格:

COMMODITY: AUTOMATIC PILL MAKING MACHINE

MODEL: ZW-120

APPLICATIONS:

It is suitable for producing honey pills, water pills & condensed pills in pharmaceutical industry.

FEATURES:

The even mixed drug material is put into the taper hopper, after being extruded by the screw pusher, the fine drug stripes with same diameter are formed. The self-controlled guide pulley carries the drug strip to the cutting unit and finishes the cutting procedure continuously.

TECHNICAL DATA:

Production capacity (kg/h):	80~120
Diameter of pills (mm):	4~12
Weight of pill (g):	3, 6, 9

POWER (kW): 4.5

OVERALL DIMENSIONS (mm): 1,200×850×2,000

OTHER SPECIFICATION:

ZW-10 ZW-20 ZW-80

产品名称:中药自动制丸机

型号规格:ZW—120

主要用途:用于医药行业蜜丸、水丸和浓缩丸的生产。

工作原理及结构特点:将混合均匀的药料投入到锥形料斗内,在螺旋推进器的挤压下,推出多条相同直径的药条,在自控导轮的控制下,同步进入制丸刀,连续制成大小均匀的药丸。

主要技术参数:

生产能力(丸/h): 80~120

制丸直径(mm): 4~12

制丸重量(g): 3、6、9

配套电机(kW): 4.5

外形尺寸(mm): 1200×850×2000

其它规格:ZW—10,ZW—20,ZW—80

COMMODITY: THREE ROLLER HONEY BOLUS MACHINE

MODEL: ZTM80-3

APPLICATIONS:

It is used for processing bolus which is made of powdery Chinese herbal medicine and honey in Chinese herbal medicine factory. The weight of bolus is from 3g to 10g.

FEATURES:

After putting lump made of powdered Chinese medicine and honey into screw press, it is squeezed into strip which can be cut in short sticks and they are pushed to the rollers automatically to form the round shape.

TECHNICAL DATA:

Production capacity (grains/h):	(3~9g) 28,00~19,000
Weight accuracy of bolus (%):	±2
Speed of cutting strip (times/min):	15
Length of strip (mm/one):	576

POWER (kW): 4

OVERALL DIMENSIONS (mm): 1,700×700×1,300

OTHER SPECIFICATION:

产品名称:三辊蜜丸机

型号规格:ZTM 80—3

主要用途:用于中药厂制做 3、6、9 克蜜丸。

工作原理及结构特点:中药粉剂经搅拌合坨后由挤出器挤出连续药条,并经自动切条、推条、进入模辊制成圆丸。

主要技术参数:

生产能力(丸/h):	(3~9g)2800~19000
丸重允差(%):	±2
切条次数(次/min):	15
切条长度(mm/条):	576

配套电机(kW): 4

外形尺寸(mm): 1700×700×1300

其它规格:

COMMODITY: OINTMENT FILLING MACHINE

MODEL: RHG1-20B

APPLICATIONS:

It is used in the field of pharmacy, food and cosmetics for filling such material as paste, ointment and glutinous flow liquid into metallic tube.

FEATURES:

It is equipped with heating tank, pneumatic unit and can complete folding, sealing and lot number printing. It fills as tubes are available and stops filling without tubes. The whole procedure is detected by means of electron.

TECHNICAL DATA:

Temperature keeping power(kW):	2
Compressed air (be provided)(L/min):	200
Pressure(kg/cm ²):	6~8

POWER (kW): 1.1

OVERALL DIMENSIONS (mm): 1,200×900×1,800

OTHER SPECIFICATION:

产品名称:金属软管灌封机

型号规格:RHG. 1—20B

主要用途:用于制药、食品、化妆品等行业糊状、膏体及粘稠流体的金属软管灌封。

工作原理及结构特点:本机包括加热罐、气动装置并能完成折叠、封口及批号印刷等步骤,有管置于灌装头时可自动灌装,无管时则停止灌装,整个工作程序由电子监控。

主要技术参数:

保持温度用电力(kW): 2

所需供的压缩空气(L/min): 200

压力(kg/cm²): 6~8

配套电机(kW): 1.1

外形尺寸(mm): 1200×900×1800

其它规格:

COMMODITY: AUTOMATIC ULTRASONIC TUBE
FILLER

MODEL: ZGC 40

APPLICATIONS:

It is used in pharmaceutical and chemical industries. It can fill the unguent in a certain scope of viscosity into plastic tube with high quality and high efficiency.

FEATURES:

This machine adopts intermittent rotating working table structure, and it has functions as follows: automatic feeding, identifying and aiming marks, filling, sealing, trimming and discharging the tubes. It also has assisting functions: no tube-no filling, sealing protection, lower pressure protection and safety protection.

TECHNICAL DATA:

Tube diameter (mm): $\varnothing 15 \sim \varnothing 30$

Tube length (mm): 60~140

Dosage filling volume (ml): 10~200

Max production capacity (tube/min): 30~40

POWER (kW): 1.2

OVERALL DIMENSIONS (mm): 1,250×980×1,800

OTHER SPECIFICATION:

产品名称:全自动超声波软膏灌装机

型号规格:ZGC 40

主要用途:本机主要应用于医药、日化等行业。可实现将具有一定粘稠度的膏体高效高质地贮于热塑性塑管的包装形式。

工作原理及结构特点:本机采用间歇回转工作台的结构,具有自动上管、自动识标对标、自动灌装、自动封尾、自动修齐以及自动出管等系列功能。另外还具有识管灌装,保护封尾,欠压保护及安全防护等辅助功能。

主要技术参数:

软管直径(mm):	∅15~∅30
软管高度(mm):	60~140
灌装调量(ml):	10~200
最大生产速度(支/分):	30~40

配套电机(kW): 1.2

外形尺寸(mm): 1250×980×1800

其它规格:

COMMODITY: SUPPOSITORY DRUG FILLING MACHINE

MODEL: SJ-II

APPLICATIONS:

It is widely used in pharmaceutical industry for producing suppository drug.

FEATURES:

The well compound drug powder and carrier are melted in a filling barrel which is at constant temperature, then being automatically and quantitatively filled to the packing strip package. Through the condenser, the drug powder and carrier are solidified to take shape. Through the sealing, counting, cutting units, the final suppository drug is finished.

TECHNICAL DATA:

Production capacity (pcs/h):	3,600
Volume of the barrel (L):	20
Volume per piece (ml/pcs):	0~3.5
Filling tolerance (%):	±0.1
Range of cutting pcs (pcs/plank):	1~7

POWER (kW): 2

OVERALL DIMENSIONS (mm): 2,500×2,600×1,700

OTHER SPECIFICATION:

产品名称:栓剂灌装机组

型号规格:SJ— I

主要用途:用于医药行业生产栓剂。

工作原理及结构特点:将配好的药粉和基质倒入恒温灌装机内融合,并自动计量注入包装带,在冷凝室固化成形,经封口、齐边、计数切断,制成栓剂。

主要技术参数:

生产能力(粒/h):	3600
装料桶容量(l):	20
每粒装量(ml/粒):	0~3.5
装量误差(%):	±0.1
剪切粒数(粒/板):	1~7

配套电机(kW): 2

外形尺寸(mm): 2500×2600×1700

其它规格:

COMMODITY: AUTOMATIC LIQUID-FILLING LINE

MODEL: YZ25/500

APPLICATIONS:

This machine is used for filling liquid materials, as tincture, syrup, electuary, oil, water, wine and general emulsion liquid and floating liquid in pharmaceutical, foodstuffs and chemical industries.

FEATURES:

It can automatically arrange bottles, convey bottles, meter filling, arrange caps, turn caps, label bottles, print serial numbers etc. All single machines independently drive and the speed is regulated steplessly.

TECHNICAL DATA:

Capacity(bottles/min):	20~80
Size(ml):	25~500
Metering error(%):	$\leq \pm 0.1$

POWER (kW): 4.77

OVERALL DIMENSIONS (mm): 9,900×1,800×2,000

OTHER SPECIFICATION:

产品名称:液体灌装自动线

型号规格:YZ 25/500

主要用途:用于制药、化工、食品等行业灌装酞水、糖浆、膏汁、油类、水类及一般乳状悬游液。

工作原理及结构特点:生产线由 GCB4A 型液体灌装机、SN8 型塞内塞机、XG12 型旋盖机及 ZT20/1000 型转鼓贴标机组成。可自动完成理瓶、输瓶、计量灌装、理塞、塞塞、理盖、旋盖、贴标、印批号等工序。各单机独立传动,无级调速。

主要技术参数:

生产能力(瓶/min):	20~80
装量(ml):	25~500
计量误差(%):	±0.1

配套电机(kW): 4.77

外形尺寸(mm): 9900×1800×2000

其它规格:

COMMODITY: FULLY-AUTOMATIC PRODUCTION
LINE FOR FILLING ORAL LIQUID
SEALING WITH ROLL-ON CAPS

MODEL: YLG-3

APPLICATION:

It is suited to combine package-producing oral liquid for glass bottle-washing, bottle-sterilizing, bottle-filling and cap-sealing.

FEATURES:

This production line consists of the XP-3 ultrasonic cleaning machine, the HX-3 hot air sterilizing tunnel, the GS-3 fully automatic volumetric filling machine with sealing mechanism for roll-on caps. All of the processes (washing, sterilizing, filling, sealing) are finished automatically. Advanced photo-electricity control, PLC technique and automatic safe protection are adopted.

TECHNICAL DATA:

Production rate(bottles/h): 8,000

Nominal filling volume(ml):
5~30 (adjusted by stepless regulator)

Volume tolerance(%): +3

Broken bottle rate(%): ≤ 2 (standard bottles and caps)

POWER(kw): Max. /Min. 52/32

OVERALL DIMENSIONS(mm): 9,500×4,700×1,900

OTHER SPECIFICATIONS:

产品名称:易拉盖口服液全自动灌装生产线

型号规格:YLG—3

主要用途:用于生产玻璃瓶口服液剂。

工作原理及结构特点:生产线由 XP—3 超声波洗瓶机、HX—3 隧道式烘干消毒箱、GS—3 全自动灌装锁口机三台单机组成,自动完成洗瓶、烘干消毒、灌液、盖盖、锁口、贴签、打印等工序。可配 TQ—2、TQ—4 自动贴标签机完成贴标,隧道及灌液锁口区达到 100 级洁净度。

主要技术参数:

生产能力(瓶/h):	8000
灌装量(ml):	5~30
灌装精度(%):	+3
破损率(%):	≤2
最大功耗(kW):	52/32

配套电机(kW):

外形尺寸(mm): 9500×4700×2900

其它规格:

COMMODITY: LYING ULTRASONIC BOTTLE CLEAN-
ING MACHINE

MODEL: CXP 5-10

APPLICATION:

The machine is mainly used to wash the inside and outside of 5-10ml antibiotics bottles.

FEATURES:

The bottles are delivered softly, then infeeded by rotary drum. The bottles are cleaned by ultrasonic firstly then by water for injection (WFI), ions water and purify compressed air exchangely. The machine can be used individually or combined with a production line.

TECHNICAL DATA:

Production capacity (bottles/min):	60~100
Bottle size(ml):	5~10 (antibiotics bottles)
Ultrasonic power consumption(W):	500
Pressure of purified air(MPa):	0.1~0.15

POWER(kW): 0.6

OVERALL DIMENSIONS(mm): 1,200×960×1,100

OTHER SPECIFICATIONS:

产品名称:卧式超声波洗瓶机

型号规格:CXP5~10 型

主要用途:用于 5ml 至 10ml 抗生素玻璃瓶的内外清洗。

工作原理及结构特点:本机采用轻拨送瓶,转鼓间歇进瓶,用超声波粗洗,后经注射用水,蒸馏水,净化压缩空气交换冲洗完成洗瓶。本机可单机或联线使用。

主要技术参数:

生产能力(瓶/min): 60~100

适用瓶规格: 5~10ml 抗生素瓶

超声波消耗功率(W): 500

空气压力(MPa): 0.1~0.15

配套电机(kW): 0.6

外形尺寸(mm): 1200×960×1100

其它规格:

COMMODITY: UNIVERSAL COMMINUTOR

MODEL: 30B II

APPLICATION:

It is applicable to the pharmaceutical, chemical, foodstuff and agriculture industries for breaking the dried fragile material.

FEATURES:

Because of the high-speed relative movement between movable toothed disc and fixed toothed disc, materials are broken through comprehensive actions such as teeth shocking, shearing, friction and material bumping.

TECHNICAL DATA:

Production capacity (kg/h):	100~200
Spindle speed(r/min):	3,800
Finish product grain fineness(mm):	0.17~0.12
Movable toothed disc diameter(mm):	318

POWER(kW): 5.5

OVERALL DIMENSIONS(mm): 720×590×1,400

OTHER SPECIFICATIONS:

30B III

产品名称: 万能粉碎机

型号规格: 30B I

主要用途: 适用于医药、化工、食品、农业及粮食等行业，粉碎干燥的脆性物料。

工作原理及结构特点: 本机利用活动齿盘和固定齿盘间的高速相对运动，使被粉碎物经齿冲击、剪切、摩擦及物料彼此间撞击等综合作用，达到粉碎目的。

主要技术参数:

生产能力(kg/h):	100~200
主轴转速(r/min):	3800
成品粒度(mm):	0.17~0.12
活动齿盘直径(mm):	318

配套电机(kW): 5.5

外形尺寸(mm): 720×590×1400

其它规格: 30B II

COMMODITY: HIGH EFFICIENT MILL

MODEL: GFSJ-16A

APPLICATION:

It is widely used for crushing material in pharmaceutical, foodstuff and chemical industry, etc.

FEATURES:

The material is crushed by impacting and shearing of high speed knives which have a sharp chin in the one side and an impacting fly-bar on the other side. The fineness of powder may be achieved by changing the different screen mesh.

TECHNICAL DATA:

Production capacity(kg/h): 50~300

Finished product grain fineness: 12~120

Adjustable rotating speed(r/min): 1,000/2,400/4,400

POWER(kW): 7.5

OVERALL DIMENSIONS(mm): 1,100×860×1,520

OTHER SPECIFICATIONS:

GFSJ-8A; GFSJ-18, GFSJ-32A

产品名称: 高效粉碎机

型号规格: GFSJ—16A

主要用途: 用于制药、食品、化工等行业粉碎物料。

工作原理及结构特点: 采用一面为快口刀刃,另一面为冲击式刀片,使被粉碎物料经高速旋转刀片冲击、剪切而粉碎,粒度大小通过筛网获得。

主要技术参数:

生产能力(kg/h): 50~300

成品粒度(目): 12~120

可调转速(r/min): 1000/2400/4000

配套电机(kW): 7.5

外形尺寸(mm): 1100×860×1520

其它规格: GFSJ—8A, GFSJ—18, GFSJ—32A

COMMODITY: ULTRAFINE POWDER PULVERIZER

MODEL: CWF-600

APPLICATION:

This machine is suitable to pulverize the herbal medicine, dyes, food and ore, for instance, calcium carbonate, coconut shell, cassava, ginger, chili, mixed powder, rice, sand and so on in pharmaceutical, foodstuff and chemical industries, etc.

FEATURES:

A waveform abrasive wheel is used for pulverization. Pneumatic concentration is adopted for powder graining. Without screen and mesh, the grain size of powder may be adjusted according to the operator's instruction. The production process is carried out in a sealing system. It cancels any contamination from dust. In the pulverizer, circulating water cooling is adopted.

TECHNICAL DATA:

Production capacity(kg/h):	30~250
Finish product grain fineness(mesh):	60~250
Diameter of grinding chamber(mm):	∅600

POWER(kW): 23.8

OVERALL DIMENSIONS(mm): 1,980×865×2,215

OTHER SPECIFICATIONS:

CWF-360; CWF-900

产品名称:超微粒粉碎机组

型号规格:CWF—600

主要用途:用于制药、食品、化工等行业,粉碎中药、粮食、矿砂等物料。

工作原理及结构特点:粉碎方式是采用浪纹式磨轮碾磨,物料磨碎后风送旋风分离器分离,并经出料机构进入包装袋内。当粉粒吸送到旋风分离器时,一部分小微粒沉积下来,落到集粉漏斗中,另一部分通过回风管返回粉碎机的磨室内。整个生产过程在封闭状态下完成,避免了污染。粉碎细度可任意调节。主要采用循环水冷却。

主要技术参数:

生产能力(kg/h):	30~250
成品粒度(目):	60~250
磨室直径(mm):	∅600
总功率(kW):	23.8

配套电机(kW):

外形尺寸(mm): 1980×865×2215

其它规格:CWF—360,CWF—900

COMMODITY: SELECTING PARTICLE MILL ASSEMBLY

MODEL: TF-700

APPLICATION:

It is used for grinding material in pharmaceutical industry, foodstuff industry, chemical industry, etc. , and it is especially suitable for grinding material containing fiber.

FEATURES:

Materials are fed to mill by feeder, and evenly spread out around grinding room by fan, and sheared and impacted by revolving body at high speed and teeth circle, and ground under the condition of violent turbulence caused by revolving body. Then all of the ground products are transmitted to the winnower, qualified product is transmitted to collector by wind, meanwhile unqualified material is transmitted again to grinding room by wind.

TECHNICAL DATA:

Production capacity(kg/h):	80~1,000
Finish product grain fineness(Mesh):	40~350
Qualified ratio of product (% , based on 100 mesh):	95~100
Spindle speed(r/min):	3500
POWER(kW):	60.55
OVERALL DIMENSIONS(mm):	8,000×5,000×4,800

OTHER SPECIFICATIONS:

F-400 mill; XFG series circulate boiling drier; D74-10T cutter.

产品名称:分粒式粉碎机组

型号规格:TF—700

主要用途:用于中药、食品、化工、农药、各种饲料的粉碎加工,尤其对含纤维的原料加工效果更佳。

工作原理及结构特点:物料通过自动加料器输送到粉碎机中,被风板均匀地散布到粉碎室周围,在打板与牙板间被剪切和冲击,在机内形成激烈涡流将物料粉碎,并在气流作用下送到风选器内,经风板的作用,将大颗粒择出再送回粉碎室,合格物料被吹入集料装置,完成收粉。

主要技术参数:

生产能力(kg/h): 800~1000

成品粒度(目): 40~350

一次出粉合格率(%): 95~100(以100目为准)

主轴转速(r/min): 3500

配套电机(kW): 60.55

外形尺寸(mm): 8000×5000×4800

其它规格:F—400, XFG 系列, D74—107

COMMODITY: ULTRA-CRYOGENIC MILL

MODEL: DFJ-2

APPLICATION:

It is used for grinding materials in pharmaceutical, foodstuff and chemical industries, etc., especially, for grinding thermosensitive, oil-containing, sticky materials which are tenacious in ambient temperature.

FEATURES:

Materials to be ground are cooled below their brittle points by cryogen and ground to demanded fineness without destroying original ingredient. It consists of pre-cooling barrel, the spiral conveyer, low-temperature grinder, low-temperature air-blower, whirl separator, powder filter, electric control section etc.

TECHNICAL DATA:

Production capacity(kg/h):	10~180
Finish product grain fineness(Mesh):	80~500(option)
Feeding granularity(mm):	<5~10
Temperature for grinding (°C):	0~-196

POWER(kW): 6.75

OVERALL DIMENSIONS(mm): 2,160×1,860×2,300

OTHER SPECIFICATIONS:

WFS-15; WFS-30; WFJ-250

产品名称:超低温粉碎机

型号规格:DFJ—2

主要用途:用于制药、食品、化工等行业物料的粉碎,尤其适用于粉碎热敏性、油性、粘性、常温下软韧性物质。

工作原理及结构特点:用冷媒将被粉碎物冷却到脆化点以下,经粉碎机粉碎到所需的细度,原有成份不被破坏,本机由贮料预冷筒,螺旋推进器、低温粉碎机、低温鼓风机、旋风分离器、粉尘过滤器、电控柜等组成。

主要技术参数:

生产能力(kg/h):	10~180
成品粒度(目):	80~500(任选)
进料粒度(mm):	<5~10
粉碎温度(°C):	0~-196

配套电机(kW): 6.75

外形尺寸(mm): 2160×1860×2300

其它规格:WFS—15, WFS—30, WFS—250

COMMODITY: SPRAY AND RINSE MACHINE WITH
HIGH-PRESSURE WATER

MODEL: BGX 500A

APPLICATION:

The machine is an advanced equipment of rinsing. It is suitable for washing the medicinal materials and foodstuffs etc.

FEATURES:

Through machine drive, the medicinal materials are continuously moved in by stepless speed regulating net belt. The upper four and the under four swing-rinsing water pipes sway back and forth to rinse every side with high-pressure water, the direction of which is crisscross to inlet direction of the medicinal materials.

TECHNICAL DATA:

Production capacity(t/h):	0.25~2.5
Working time(s):	15~150
Water pressure(MPa):	0.2~0.3
Water consumption(t/h):	2~4
Swing angle of spraying water pipes:	0°~90°

POWER(kW): 0.8

OVERALL DIMENSIONS(mm): 3,300×850×1,200

OTHER SPECIFICATIONS:

产品名称:高压水喷射式洗净机

型号规格:BGX 500A

主要用途:用于洗净中药材、蔬菜、水果表面的泥土、污物。

工作原理及结构特点:用交错布置的8个高压水喷头,往复摆动连续冲洗在网状传送带上的药材。无喷射死角,洗净度高,破损率低。

主要技术参数:

生产能力(t/h):	0.25~2.5
冲洗时间(s):	15~150
水压(MPa):	0.2~0.3
耗水量(t/h):	2~4
喷头摆动角度:	0°~90°

配套电机(kW): 0.8

外形尺寸(mm): 3300×850×1200

其它规格:

COMMODITY: RECIPROCATING SLICING MACHINE

MODEL: WQY 240-2

APPLICATION:

It is suited to cut roots, stems, leaves, grass and barks of herbal medicines.

FEATURES:

The herbal medicines are transferred to the infeeders by the chains, then the reciprocating cutter cuts the herbal medicines to its required thickness. The thickness of the finished products is controlled by the stepless speed regulator on the infeeders. The machine can also be used for cutting similar material in other fields.

TECHNICAL DATA:

Production capacity(kg/h):	120~600
Thickness of the slice(mm):	1~20 (adjusted by stepless speed regulator)
Size of cutter gate(mm):	240×50

POWER(kW): 3

OVERALL DIMENSIONS(mm): 1,500×1,000×1,200

OTHER SPECIFICATIONS:

产品名称: 往复式切药机

型号规格: WQY 240—2

主要用途: 用于根、茎、叶、草、皮类中药饮片的切制。

工作原理及结构特点: 药材用链条输送至进料口,由往复式切刀切制成所需要厚度的饮片。无级调节进给机构可切制不同厚度饮片。

主要技术参数:

生产能力(kg/h): 120~600

切片厚度(mm): 1~20(无级调节)

刀片尺寸(mm): 240×50

配套电机(kW): 3

外形尺寸(mm): 1500×1000×1200

其它规格:

COMMODITY: ROTATING TYPE SLICING MACHINE

MODEL: QY 120-4

APPLICATION:

It is suited to cut roots, stems, leaves, grass and barks of herbal medicines.

FEATURES:

The herbal medicines are transferred to the infeeders by the chains, then the rotating cutter cuts the herbal medicines to its required thickness, The machine can also be used for cutting similar material in other fields.

TECHNICAL DATA:

Production capacity(kg/h):	70~700
Thickness of the slice(mm):	1, 1.5, 2, 3, 6, 12
The number of cutters(pieces):	3
Size of cutter gate(mm):	120×50

POWER(kW): 3

OVERALL DIMENSIONS(mm): 1,500×750×1,100

OTHER SPECIFICATIONS:

QY 120-3, QY140-4, QY160-4

产品名称:旋转式切药机

型号规格:QY 120—4

主要用途:用于根、茎、叶、草、皮类中药饮片的切制。

工作原理及结构特点:上、下链条将物料输送至切药口，
旋转的切刀将物料切成规定厚度的饮片。

主要技术参数:

生产能力(kg/h): 70~700

切片厚度(mm): 1、1.5、2、3、6、12

切片数(片): 3

刀片尺寸(mm): 120×50

配套电机(kW): 3

外形尺寸(mm): 1500×750×1100

其它规格:QY120—3, QY140—4, QY160—4

COMMODITY: MULTI-EFFECT TUBULAR WATER DISTILLER

MODEL: LD 2000

APPLICATION:

It is used for making distilled water (WFI) or pure steam in pharmaceutical, chemical, foodstuff and electronic industries, etc.

FEATURES:

It is based on the principle of multi-effect evaporation of thin falling film on the pipe, where latent heat in steam can be utilized. Steam and liquid is separated totally by using S type baffle. Liquid distributor has special structure to ensure film forming even at low pressure. PLC controlled system is adopted. Water quality is conformed to the standard set by the pharmacopoeia of China for use in medical injection.

TECHNICAL DATA:

Output of distilled water(L/h):	2,000
Pressure of steam(MPa):	0.3
Steam consumption(kg/h):	600
Consumption of raw water(kg/h):	2,150
Consumption of cooling water(kg/h):	800
POWER(kW):	2.57
OVERALL DIMENSIONS(mm):	3,600×1,200×4,000

OTHER SPECIFICATIONS:

LD 500, LD 1000

产品名称:列管式多效蒸馏水机

型号规格:LD 2000

主要用途:用于医药、化工、食品、电子等行业制取蒸馏水或纯蒸汽。

工作原理及结构特点:采用列管降膜与多效蒸发原理,蒸汽中的潜热多次被利用。汽、液分离用 S 型挡板,分离彻底。液体分布器采用特殊结构,保证在低压力下液体也能很好成膜。整机运行 PLC 全自动控制。水质符合《中国药典》1995 年版“注射用水”规定指标。

主要技术参数:

蒸馏水产量(kg/h):	2000
蒸汽压力(MPa):	0.3
蒸汽耗量(kg/h):	600
原料水用量(kg/h):	2150
冷却水用量(kg/h):	800

配套电机(kW): 2.57

外形尺寸(mm): 3600×1200×4000

其它规格:LD500,LD1000

COMMODITY: THERMOCOMPRESSION DISTILLER

MODEL: RY 1000

APPLICATION:

It is used for making distilled water in pharmaceutical (WFI), foodstuff and electronic industries.

FEATURES:

This distiller is based on the principle of heat pump evaporating, where condensation and evaporation use one heat exchanger without cooling water, so more than 90% energy can be saved. PLC controlled system is adopted. The distilled water is conformed to the standard set by pharmacopoeia of China for use in medical injection.

TECHNICAL DATA:

Production capacity(L/h):	1,000
Steam pressure(MPa):	0.1
Steam consumption(kg/h):	20
Temperature of distilled water(°C):	30~90
Consumption for raw water(L/h):	1,020

POWER(kW): 22

OVERALL DIMENSIONS(mm): 3,550×2,200×3,010

OTHER SPECIFICATIONS:

RY 500, RY 2000

产品名称:热压式蒸馏水机

型号规格:RY 1000

主要用途:用于医药、食品、电子等行业制取蒸馏水。

工作原理及结构特点:采用热泵蒸发原理,蒸发与冷凝共用一个换热器,不用冷却水,节能 90%以上。整机采用 PLC 实现全自动控制。蒸馏水质符合《中国药典》1995 年版“注射用水”规定指标。

主要技术参数:

生产能力(kg/h):	1000
蒸汽压力(MPa):	0.1
蒸汽耗量(kg/h):	20
蒸馏水温度(°C):	30~90(可调)
原料水耗量(kg/h):	1020

配套电机(kW): 22

外形尺寸(mm): 3550×2200×3010

其它规格:RY500,RY2000

COMMODITY: ELECTRODIALYSIS-MIXED BED PURE
WATER MAKING EQUIPMENT

MODEL: 10T

APPLICATION:

It is suited to make pure water for pharmaceutical production (powder injection, liquid drug injection).

FEATURES:

High cost performance is due to the application of desalting electro dialysis and mixed bed. Recovery of concentrate water helps save water and money invested. Automatic suction and simultaneously regeneration decrease second pollution. All the electric apparatus are of central control. Automatic stop acts as the water reaches a certain level. It is possible to apply remote control.

TECHNICAL DATA:

Pure water output(t/h):	10
Filter precision(μm):	1
Pure water resistivity ($\text{M}\Omega \cdot \text{cm}$):	≥ 2 (25°C)
Number of bacteria:	< 10

POWER(kW): 30

OVERALL DIMENSIONS(m^2): 120

OTHER SPECIFICATIONS:

产品名称:电渗析—混床纯水制备生产线

型号规格:10t

主要用途:用于医药工业生产过程用纯水的制备(粉针剂、水针剂等)。

工作原理及结构特点:由于采用脱盐电渗析和混床使之具有离心性能。浓水回收有利于节水和节约投资。自动吸收并同时再生减少了二次污染。全部电气设备集中控制。具有定水位自动停板功能,可以进行遥控。

主要技术参数:

纯水产量(t/h):	10(其余规格:0.5~30)
纯水电阻率($M\Omega \cdot \text{cm}$):	$\geq 2(25\text{C})$
过滤精度(μm):	1
细菌(个):	< 10
总功率(kW):	30
占地面积(m^2):	120

配套电机(kW):

外形尺寸(mm):

其它规格:

COMMODITY: ELECTROMAGNETIC INDUCTION
SEALING CAP MACHINE

MODEL: DSPF-I

APPLICATION:

It is used on the bottle's mouth of plastic bottle or glass bottle to be sealed with aluminum foil in pharmaceutical, foodstuff and chemical industries, etc. It is effective to prevent from overflow, moisture, mildew, fake and damage to the goods in the bottle.

FEATURES:

The main functions are to cover and turn the bottle cap with preset aluminum foil, make it pass through electromagnetic induction head following conveyer belting without contact, and cause aluminum foil to be sealed on mouth. This machine has the function of self-detecting and rejecting bottles, whose cap have not a aluminum foil. The electromagnetic wave to be used will not leak out, the strength of electromagnetic radiation in near field is $<10\text{V/m}$.

TECHNICAL DATA:

Production capacity(bottle/min):

10~100 (stepless adjustable)

Bottle sizes(mm): Max. $\varnothing 70 \times 200$ (plastic or glass bottle)

Bottle cap sizes(mm): Max. $\varnothing 70$, Min $\varnothing 15$

POWER(kW): 2.6~3

OVERALL DIMENSIONS(mm): 1,500 \times 500 \times 1,200
(conveyer and main machine)

OTHER SPECIFICATIONS:

DSPF-II is a portable type.

产品名称:电磁感应式铝箔封口机

型号规格:DSPF—1

主要用途:用于制药、食品等行业将铝箔密封在塑料瓶或玻璃瓶瓶口上。可有效地防止溢出、变潮、发霉、假冒和损坏。

工作原理及结构特点:将预置铝箔的瓶盖旋合在瓶口上,使其随输送带通过电磁感应加热器,铝箔被无接触热封在瓶口上。本机具有瓶盖内无铝箔自检和剔废功能,所用电磁波不外泄,近场电磁辐射强度 $< 10\text{V/m}$ 。

主要技术参数:

生产能力(瓶/分):	10~100 (根据瓶口规格无级可调)
瓶子规格(mm):	最大 $\varnothing 50 \times 200$ (塑、玻瓶)
瓶盖规格(mm):	最大 $\varnothing 70$ 、最小 $\varnothing 15$

配套电机(kW): 2.06~3

外形尺寸(mm): 输送主机:1500 \times 500 \times 1200

其它规格:

COMMODITY: CAPSULE PRINTER, TABLET PRINTER

MODEL: AP-III

APPLICATION:

Ink printing on tablet or capsule surface.

FEATURES:

Multi-directional or lateral printing on capsule/tablet surface is based on the technique of automatic numeral information display and on the principle of an automatic mechanical divider.

TECHNICAL DATA:

Production capacity(tablets or capsules/h): 50,000~80,000

Diameter of applicable tablet(mm): 5~8

Model of applicable capsule: 00#, 0#, 1#, 2#, 3#, 4#, 5#

POWER(kW): 0.25

OVERALL DIMENSIONS(mm): 900×610×640

OTHER SPECIFICATIONS:

Model DP , model RP

产品名称:胶囊、药片印字机

型号规格:AP—Ⅲ

主要用途:用于胶囊、糖衣片表面印字。

工作原理及结构特点:采用全自动数显技术,利用机械等分原理对胶囊进行轴向、不定向(帽体随机)转移方式印字。

主要技术参数:

生产能力(万粒/h): 5~8

药片直径(mm): 5~8

胶囊规格: 00[#]、0[#]、1[#]、2[#]、3[#]、4[#]、5[#]

配套电机(kW): 0.25

外形尺寸(mm): 900×610×640

其它规格:DP 系列、RP 系列

COMMODITY: DRUM LABEL-STICKING MACHINE

MODEL: ZT 20/ 1000

APPLICATION:

It is suited to stick label on columnar containers of diameter 20-100mm.

FEATURES:

By mechanical drive, the bottles on the conveying truck are carried to the big-vacuum drum, the labels are drawn from label-case by small-vacuum drum, after printed and pasted, they are carried to big-vacuum drum. The labels absorbed on the big-vacuum drum are stucked on the bottles, and fastened through rolling and pressing.

TECHNICAL DATA:

Production capacity(bottle/min):	20~80
Volume of bottles(ml):	20~1,000
Size of the label(mm):	128×120
Vacuum(Pa):	7,993

POWER(kW): 2.05

OVERALL DIMENSIONS(mm): 2,800×775×1,100

OTHER SPECIFICATIONS:

产品名称:转鼓贴标机

型号规格:ZT 20/1000

主要用途:用于医药、食品、电子等行业圆柱形容器贴标签。

工作原理及结构特点:通过机械传动,瓶子由输瓶轨道经变距螺杆送至大真空转鼓,小真空转鼓从签盒中吸出标签,经打批号及涂浆送至大真空转鼓,吸附在大真空转鼓上的标签贴在瓶身上,经搓、滚粘牢。

主要技术参数:

生产能力(瓶/min):	20~80(无级调速)
容器规格(ml):	20~1000(圆柱形瓶)
标签规格(mm):	128×110
工作真空度(Pa):	7993

配套电机(kW): 2.05

外形尺寸(mm): 2800×775×1100

其它规格:

**COMMODITY ; FULLY-AUTOMATIC LABELER FOR AN-
TIBIOTIC BOTTLES**

MODEL: TQ-3

APPLICATION :

It is suited to label and print production date and invalid date for antibiotic bottles automatically.

FEATURES:

1. Rectilinear bottles transfer and rectilinear label sucker are adopted, so machine works reliably and quickly.
2. Labeling and printing stop for absent bottle.
3. All of the processes (transferring bottles, transferring label, gluing on label, labeling on bottle, rolling depression, printing) are finished automatically in a definite sequence.

TECHNICAL DATA:

Labeling rate(bottles/min):	70~300
Labeling tolerance(mm):	±0.5
Broken bottle rate(%):	<0.01
Bottle size applied(mm):	Ø22~25 ±0.5

POWER(kW): 2.5

OVERALL DIMENSIONS(mm): 3,750×1,630×1,140

OTHER SPECIFICATIONS:

产品名称: 抗生素瓶全自动标签粘贴机

型号规格: TQ—3

主要用途: 用于抗生素玻璃瓶贴标签、打印批号。

工作原理及结构特点: 输瓶为直线式运转平稳。缺瓶自动停止贴签和打印。按预定程序自动完成送瓶、送签、涂胶、印字、贴签、滚压牢实等全过程。

主要技术参数:

贴签速度(瓶/min):	70~300
贴签误差(mm):	±0.5
破瓶率(%):	<0.01
瓶子直径(mm):	22~25±0.5
功耗(kW):	2.5

配套电机(kW):

外形尺寸(mm): 4750×1630×1140

其它规格:

COMMODITY: GRAIN AUTOMATIC PACKAGING MACHINE

MODEL: SB-80

APPLICATION:

It is suited to pack grain materials with small package in pharmaceutical and foodstuff industries, etc.

FEATURES:

The machine makes flat bags with three sides sealed, it can automatically finish bag making, measuring, filling, sealing, printing batch number, notch-tearing, cutting and counting processes.

TECHNICAL DATA:

Production capacity(bag/min): 55~90

Range of measurement(ml): 10~50

Bag size(mm): L: 50~120
W: 60~85

Packing materials: paper/ polyethylene, cellophane/ polyethylene, Boop/ polyethylene, aluminum/ polyethylene, polyester/ plated aluminum/ polyethylene, foil, etc.

POWER(kW): 0.79

OVERALL DIMENSIONS(mm): 625×751×1,558

OTHER SPECIFICATIONS:

SB-60P

产品名称:颗粒自动包装机

型号规格:SB—80

主要用途:用于医药、食品等行业颗粒物料的小袋包装。

工作原理及结构特点:该机是三边封合的扁平袋型包装机可自动完成制袋、计量、充填、封合、打印批号、加易撕口、切断及计数等全过程。

主要技术参数:

生产能力(袋/min): 55~90

计量范围(ml): 10~50

制袋尺寸(mm): 长 50~120、宽 60~85

包装材料: 纸/聚乙烯、玻璃纸/聚乙烯

BOOP/聚乙烯、铝箔/聚乙烯

涤纶/镀铝/聚乙烯等。

配套电机(kW): 0.79

外形尺寸(mm): 625×751×1558

其它规格:SB—60P

COMMODITY: BLISTER PACKING MACHINE

MODEL: DPA 250

APPLICATION:

It is suited to package tablets and capsules.

FEATURES:

The PVC film heated is formed by vacuum pumped system in forming roller. After filling products, it is sealed with aluminum foil in hot-pressing roller. Then it is printed with batch number and cut into plates.

TECHNICAL DATA:

Production capacity (tablets/min): 800~1,104

(capsules/min): 800~920

Packing material: PVC: width: 250mm, thickness: 0.25mm

PTP AL foil:

width: 250mm, thickness: 0.02mm

POWER(kW): 7.5

OVERALL DIMENSIONS(mm): 2,460×1,030×1,485

OTHER SPECIFICATIONS:

DPB 210, DPT 130, DPT 220

产品名称:泡罩包装机

型号规格:DPA 250

主要用途:用于医药行业包装片剂、胶囊。

工作原理及结构特点:PVC 加热后,经模辊真空吸塑成型,填入药品与铝箔辊热压封合,打印批号冲切成板块。

主要技术参数:

生产能力(粒/min): 800~1104(糖衣片、素片)

800~920(胶囊)

包装材料尺寸(mm): PVC 宽 250、厚 0.25

铝箔 宽 245~250、厚 0.02

配套电机(kW): 7.5

外形尺寸(mm): 2460×1030×1485

其它规格:DPB210,DPT130,DPT220

COMMODITY: AUTOMATIC ALUMINUM-PLASTICS
PACKER

MODEL: DPT-140

APPLICATION:

Used for packing tablets, capsules, suppositories and medical utensils in pharmaceutical industry.

FEATURES:

PVC after having been heated will form bubble cap under negative pressure, and after the medicine material is fed in, the bubble cap will be heat sealed through knurled roll and aluminum foil, and then it will be punched into finished plates.

TECHNICAL DATA:

Production capacity (pcs/h): 50,000~120,000

Packaging materials: Medicinal Aluminum foil (PTP)
Polyvinyl Chloride (PVC)
Dialysis Paper

POWER(kW): 0.55

OVERALL DIMENSIONS(mm): 1,900×1,000×1,450

OTHER SPECIFICATIONS:

产品名称:自动铝塑包装机

型号规格:DPT—140

主要用途:用于医药行业包装片剂、胶囊、栓剂、医疗器具。

工作原理及结构特点:经加热的 PVC 在负压下泡罩成型,加料后经网纹辊与铝箔热封,冲切成板块成品。

主要技术参数:

生产能力(万粒/h): 5~12

包装材料: 药用铝箔(PTP)

聚氯乙烯(PVC)

透折纸

配套电机(kW): 0.55

外形尺寸(mm): 1900×1000×1450

其它规格:

COMMODITY: PLATE AL-PLASTIC & AL-AL PACK-
AGING MACHINE

MODEL: DPP 170-S

APPLICATION:

Used for packaging various kinds of tablets, capsules, gummy pills, suppositories and special tablets in pharmaceutical industry and foodstuff industry.

FEATURES:

The machine is a multi-functional blister packaging machine. It uses upright-pressed forming and heat sealing. The cold press forming for aluminum blister, the photoelectricity detection, optical fiber, and light guide technique are adopted. It can distinguish the tablet missed plate, automatically. The work process is controlled by a Programmable Logical Controller. The change of Al-Al packing to Al-Plastic packing is carried out only by changing forming tools.

TECHNICAL DATA:

Max. capacity (times/min):	40
Max. plate size (mm):	154×104
Max. forming depth(mm):	10
Power for heating(kw):	6
POWER(kW):	1.5
OVERALL DIMENSIONS(mm):	2,445×980×1,450

OTHER SPECIFICATIONS:

DPP 170, DPT 250

产品名称:平板铝塑、铝—铝包装机

型号规格:DPP170—S

主要用途:用于医药行业包装片剂、胶囊、胶丸、栓剂及异形片。

工作原理及结构特点:本机是一台多功能泡罩包装机,增加了铝泡罩冷压成型和光电检测功能。采用光导纤维和光导技术可自动识别缺药板型。整机由一台可编程控制器控制,铝—铝和铝塑包装的更换,通过改变成型模具实现。

主要技术参数:

冲切次数(次/min):	40
最大板型尺寸(mm):	154×104
成型深度(mm):	10
加热功率(kW):	6

配套电机(kW): 1.5

外形尺寸(mm): 2445×980×1450

其它规格:DPP170 DPT250

COMMODITY: MULTI-FUNCTION AND PLATE TYPE
AUTO AL-PLASTIC BUBBLE CAP PACK-
ING MACHINE

MODEL: DPP-200K

APPLICATION:

For packing tablets and capsules etc. in pharmaceutical industry.

FEATURES:

It adopts the stepmotor, plate-type mould, pressure formation and frequency control. With this machine, two-color chromatography printing on front and back of aluminum foils at same time, direction and color separation and arrangement of capsule can be made. It can fill various medicine (for taking in one course of treatment) in the same sheet at same time. It is also suitable for packing of aluminum/aluminum.

TECHNICAL DATA:

Punch frequency (times/min):	30~80
Max. shaping area (mm):	190×130
Max. shaping depth (mm):	18
Travel (mm):	40~140

POWER (kW):

OVERALL DIMENSIONS (mm): 2,070×960×1,750

OTHER SPECIFICATIONS:

DPP-250B

产品名称:多功能辊板式自动铝塑包装机

型号规格:DPP—200K

主要用途:用于医药、食品等行业包装片剂、胶囊等。

工作原理及结构特点:采用板式模具、正压成型、无边冲裁、电子计数,配“封闭式”凹版印刷及吸尘装置。无级变速,并具有双色套印及压易折线功能。本机可同时完成铝箔正反面的双色套印、胶囊、粗细和颜色的区分排列,胶囊可充入各种药物,还可用于铝—铝包装。

主要技术参数:

冲裁频率(次/min):	30~80
最大成型面积(mm):	190×130
最大成型深度(mm):	18
行程(mm):	40~140

配套电机(kW): 6.1

外形尺寸(mm): 2370×950×1600

其它规格:DPP—250B

COMMODITY: AUTOMATIC HIGH-SPEED DOUBLE ALUMINUM FOIL PACKER

MODEL: ZGL-160

APPLICATION:

Applied to double aluminum packing of tablet and capsule, etc, in pharmaceutical industry.

FEATURES:

The packer features adopting frequency control of motor speed, punching the array feeding material into required plates after it has been heat sealed by the moulding wheel, and automatic temperature regulation, automatic counting of finished product and other functions.

TECHNICAL DATA:

Production capacity(pcs/h):	22,000~38,000
Max. packing width(mm):	160
Punching size(rows):	1~5
Air pressure(MPa):	0.4

POWER(kW): 0.4

OVERALL DIMENSIONS(mm): 1,200×850×1,650

OTHER SPECIFICATIONS:

产品名称:自动高速双铝箔包装机

型号规格:ZGL-16

主要用途:用于医药行业片剂、胶囊等的双铝箔包装。

工作原理及结构特点:采用变频调速,整列送料经模轮热封后冲成所需板块,具有温度自动调节、成品自动计数等功能。

主要技术参数:

生产能力(万粒/min):	2.2~3.8
最大包装宽度(mm):	160
冲切规格(排):	1~5
空气压力(MPa):	0.4

配套电机(kW): 0.4

外形尺寸(mm): 1220×850×1650

其它规格:

COMMODITY: PLASTIC BOTTLE FILLING, COUNTING
and SEALING ASSEMBLY LINE

MODEL: SBX-2

APPLICATION:

It is widely used in the pharmaceutical industry to bottle-pack the tablets, pills, capsules and the similar forms of medicines.

FEATURES:

The whole line consists of strengthening machine; computerized counting-filling machine; sealing machine; automatic caps screwing machine, and self-adhesive labeling machine. The compact line can complete all the procedure automatically for bottling the tablets, pills and capsules.

TECHNICAL DATA:

Production capacity (bottle/min): 60

Diameter of the bottle(mm): 25~70

POWER(kW): 3

OVERALL DIMENSIONS(mm): 7,000×2,000×1,800

OTHER SPECIFICATIONS:

产品名称:塑料瓶包装生产线

型号规格:SBX—2

主要用途:用于医药行业片剂、丸剂、胶囊类药物的瓶装。

工作原理及结构特点:全线采用塑料瓶理瓶机、条板式电脑计数自动装瓶机、塑料瓶封口机、自动旋盖机、不干胶贴标机等单机组成。可自动完成理瓶、计数、装瓶、复合膜封口、旋盖、贴签等工序。

主要技术参数:

生产能力(瓶/min): 60

瓶子直径(mm): 25~70

配套电机(kW): 3

外形尺寸(mm): 7000×2000×1800

其它规格:

COMMODITY: PLASTIC-BOTTLE ASSEMBLY LINE

MODEL: BXSP 15/100

APPLICATION:

For bottling tablets, pills and capsules in the pharmaceutical industry.

FEATURES:

The line can complete procedures such as arranging bottles, conveying bottles, counting or quantitative filling, stuffing paper, arranging corks, stuffing inside-corks, sealing-wax, arranging caps, screwing caps, labeling, printing serial numbers, etc.

TECHNICAL DATA:

Production capacity(bottles/min): 40~80

Size(ml): 15~100(big mouth medicinal bottles)

Error of counting & metering for tablets(%): ≤ 0.2

Metering error for small pills: ≤ 3 (weight meter)

POWER(kW): 7.3

OVERALL DIMENSIONS(mm): 15,000×1,500×2,100

OTHER SPECIFICATIONS:

产品名称:塑料瓶瓶装自动线

型号规格:BXSP 15/100

主要用途:用于医药行业片剂、丸剂、胶囊类药物的瓶装。

工作原理及结构特点:由 UZPS1000 型理瓶机、LJ20/1000 型履带计数机(或 WP8 型小丸瓶装机)、SZ2 型塞纸机、FYS8 型压塞机、FNL 型绞龙式封蜡机、FXG8 型旋盖机、JNJ30/80 型不干胶贴签机(或 ZT20/1000 型转鼓贴签机)组成生产线。全线采用单机组合,独立机械传动,无级调速,各单机装有电控装置以平衡全线速度。自动完成理瓶、输瓶、计数装瓶、塞纸、塞内塞、封蜡、理盖、旋盖、印批号、贴标签等工序。

主要技术参数:

生产能力(瓶/min): 40~80

瓶子规格(ml): 15~100

(大口药瓶)

计数计量误差(%): ≤ 0.2 (片)、 ≤ 3 (小丸)

配套电机(kW): 7.3

外形尺寸(mm): 15000×1500×2100

其它规格:

COMMODITY: AUTOMATIC STRAPPER

MODEL: SK-1A

APPLICATION:

It is used for strapping the corrugated paper, wooden and plastic cases.

FEATURES:

The plastic strap is used as strapping material. The complete strapping procedure can be automatically finished except for carrying the parcels. The junction is tight due to heat sealing. It can auto-stop as something wrong happens to convey belt.

TECHNICAL DATA:

Max. strapping size(mm):	600×600
Strapping force(N):	700
Strapping time per strap(s):	3.5
Height of working platform(mm):	845
Specification of PP strap(mm):	13.5

POWER(kW): 0.55

OVERALL DIMENSIONS(mm): 1,260×636×1,530

OTHER SPECIFICATIONS:

SK-1D, SK88

产品名称:自动捆扎机

型号规格:SK—1A

主要用途:用于瓦楞纸箱、钙塑箱、木箱等类包装件的自动捆扎。

工作原理及结构特点:用塑料打包带做为捆扎材料,除送包外,所有捆扎动作均自动完成。塑料带接头热合牢固,如送带出现故障,能自动停机。

主要技术参数:

最大捆扎尺寸(mm):	600×600
捆扎力(N):	700
每道捆扎时间(s):	3.5
工作台高度(mm):	845
PP 塑料打包带规格(mm):	13.5

配套电机(kW): 0.55

外形尺寸(mm): 1260×636×1530

其它规格:SK—1D,SK88

**COMMODITY: GLASS TUBE DRAWING PRODUCTION
LINE**

MODEL: BLGX10

APPLICATION:

This production line can be used to produce the neutral glass tubes for pharmaceutical industry.

FEATURES:

This production line consists of feeding channel, muffle furnace, danner machine, air-blow device, forming chamber, gas mixing station, cooling bridge, laser tester, tube drawing machine, pre-cutter, separator, cooling transfer, fine-cutting and smoothing machine, breaker and electrical control cabinet, etc.

TECHNICAL DATA:

Production capacity(t/d):	10
Diameter of tube(mm):	10~37.5
Wall thickness of tube(mm):	0.5~1
Length(mm):	700~1,400 for cutting 1,400~2,000 for non-cutting
Drawing speed(m/min):	7~280
Length of production line(m):	54~66

POWER(kW):

OVERALL DIMENSIONS(mm):

OTHER SPECIFICATIONS:

产品名称:玻璃拉管生产线

型号规格:BLGX 10

主要用途:用于拉制医药用中性玻璃管。

工作原理及结构特点:该生产线由供料道、马弗炉、丹纳机、吹气装置、成型室、燃气混合站、冷却跑道、激光检测装置、牵引机、初切装置、分选机、冷却传送装置、精切圆口机、破碎机、电控箱等部分组成。

主要技术参数:

平均产量(t/d):	10
拉管直径(mm):	10~37.5
拉管壁厚(mm):	0.5~1
长度(mm):	中切 700~1400、不中切 1400~2000
牵引速度(m/min):	7~280
生产线长度(m):	54~66

配套电机(kW):

外形尺寸(mm):

其它规格:

COMMODITY: VERTICAL AMPOULE PRODUCTION
LINE

MODEL: ZA 32

APPLICATION:

This production line can be used to produce neck breakable ampoules of 1~20 ml.

FEATURES:

Glass tube loading, preheating, drawing, necking, bottom cutting, bottom sealing, flame cutting, scoring, applying color ring, annealing, detecting and output of passed ampoules, etc can be accomplished automatically.

TECHNICAL DATA:

Production capacity(ampoules/h):

4500~5700 (for ampoules of 1 , 2 and 5ml)

3800~4400 (for ampoules of 10 and 20 ml)

Percent of pass(%): > 85

Heating value of gas(MJ): > 16.74

POWER(kW): 5.98

OVERALL DIMENSIONS(mm):

1800×1800×1700 (for principal machine)

The whole production line is 12,996mm in length.

OTHER SPECIFICATIONS:

产品名称:立式安瓿生产线

型号规格:ZA 32

主要用途:用于制造 1~20ml 曲颈易折安瓿。

工作原理及结构特点:该机可自动完成上管、预热、拉丝、制颈、切底、封底、切丝、划痕、涂色环、退火、检测、出合格安瓿等过程。

主要技术参数:

生产能力(支/h): 4500~5700(1、2、5ml)

3800~4400(10、20ml)

合格率(%): >85

煤气热值(MJ): >16.74

配套电机(kW): 5.98

外形尺寸(mm): 主机 1800×1800×1700

生产线总长 12996

其它规格:

COMMODITY: GLASS TUBE VIAL MAKING LINE

MODEL: GZPX 40

APPLICATION:

It is used to make glass tube vials for the pharmaceutical industry.

FEATURES:

This line is composed of mechanical system, hydraulic system, compressed air supply system and gas system. Charging, heating, forming, cutting, and outputting of finished products can be finished automatically.

TECHNICAL DATA:

Production capacity(vials/h):	1,800~2,400
Diameter of vial(mm):	14~34
Height of vial(mm):	≤110
Percent of pass(%):	80
Gas consumption(m ³ /h):	3~5
Heating value of gas(MJ/m ³):	12.5~16.7

POWER(kW): 43.5

OVERALL DIMENSIONS(mm): 11,700×2,400×4,260

OTHER SPECIFICATIONS:

产品名称:管制瓶生产线

型号规格:GZPX 40

主要用途:用于医药行业制造管制瓶。

工作原理及结构特点:生产线由机械系统、液压系统、空气动力系统、燃气系统组成,可自动完成上料、加热、成型、切片、输出成品全过程。

主要技术参数:

生产能力(只/h):	1800~2400
瓶子直径(mm):	14~34
瓶子高度(mm):	≤110
合格率(%):	80
煤气消耗(m ³ /h):	3~5
煤气热值(MJ/m ³):	12.5~16.7
配套电机(kW):	43.5
外形尺寸(mm):	11700×2400×4260

其它规格:

COMMODITY: PRODUCTION LINE FOR HARD CAP-
SULE

MODEL: JSZ-III

APPLICATION:

It is used to produce hollow hard capsule in pharmaceutical, chemical industries, etc.

FEATURES:

During the operation, the production line can automatically complete the process of oiling, glue-dipping, drying, demoulding, cutting-out, sleeving and product-conveying sequentially. The safety inter-locks, over-loading protection device and photo-sound warning system are equipped at 20 sections of the production line.

TECHNICAL DATA:

Capsule specifications: 0#, 1#, 2#, 3#, 4#
Production capacity(capsules/h): 42,000~52,000
Number of die set: 900 sets for the body (30 cones per set)
900 sets for the hood (30 cones per set)

POWER(kW): 4

OVERALL DIMENSIONS(mm): 12,000×1,750×2,500

OTHER SPECIFICATIONS:

产品名称:硬胶囊生产自动线

型号规格:JSZ—Ⅲ

主要用途:用于医药、化工等行业生产空心硬胶囊。

工作原理及结构特点:在机器运转过程中,依次自动完成进油、蘸胶、烘干脱模、切断、套合、输出成品。设有 20 个安全互锁、过载保护及声光报警。

主要技术参数:

胶囊规格: 0[#]、1[#]、2[#]、3[#]、4[#]

生产能力(万粒/h): 4.2~5.2

模具数量: 体 900 条(每条 30 锥)

帽 900 条(每条 30 锥)

配套电机(kW): 4

外形尺寸(mm): 12000×1750×2500

其它规格:

COMMODITY: TABLET HARDNESS TESTER

MODEL: YD-II

APPLICATION:

It is used to test the tablet hardness value for pharmaceutical detecting departments.

FEATURES:

The hardness tester is controlled by monolithic processor. The tablet is placed between the end of crown bar and pressure transducer. The crown bar feeds at constant speed to produce extrusion pressure. After changing-over the electrical signal, the greatest pressure value can be gotten and be printed out immediately.

TECHNICAL DATA:

Full-scale range(N):	9.806~196
Testing accuracy(%):	±1
Tablets diameter(mm):	1~35 (can be preset)
Test time(s/tablet):	≤30

POWER(kW): 0.065

OVERALL DIMENSIONS(mm): 555×294×230

OTHER SPECIFICATIONS:

产品名称:片剂硬度计

型号规格:YD—Ⅱ

主要用途:用于医药检测部门测定药片的硬度值。

工作原理及结构特点:该硬度计由单片机控制。将药片置于顶杆头与压力换能器之间,顶杆恒速进给产生挤压力,此电信号经转换后,即得到最大压力值、压力值等,并由打印机打出测试结果。

主要技术参数:

量程(N): 9.806~196

测量精度(%): ±1

可测药片直径(mm): 1~35(可预置)

测量时间(s/片): ≤30

配套电机(kW): 0.065

外形尺寸(mm): 555×294×230

其它规格:

COMMODITY: INTELLECTUAL PHARMACY DISSOLUTION TESTER

MODEL: RC-610 (100)

APPLICATION:

It is used to test medicine dissolution for pharmaceutical detecting departments.

FEATURES:

The rotation speed, temperature and timing of the tester are controlled by monolithic processor. The dissolution testing parameter on kinds of medicine or sampling tablet that have met China Pharmacopoeia (95 edition) can be written into EPROM chip and be called, displayed and run randomly. The simple sampling set is also provided with tester. The tester meets the standard of China Pharmacopoeia (95) and ZBC 95001-89 《Dissolution Tester》.

TECHNICAL DATA:

Speed range(r/min): $20\sim 200\pm 2$ (1 rot/step, when preset)

Temperature range(°C):

$20\sim 40\pm 0.1$ (0.10170/step, when preset)

Timing (min): 0~999 (up to nine timing stages continuous)

POWER(kW):

1.3

OVERALL DIMENSIONS(mm):

1,100×320×450

OTHER SPECIFICATIONS:

RC-610 (300, 600, 700 & 800)

产品名称:智能型药物溶出度测定仪

型号规格:RC—610(100)

主要用途:用于医药检验部门测定药物溶出度。

工作原理及结构特点:本测定仪由单片机控制转速、温度和定时。95 版药典规定的各种药品及标准片溶出试验参数写入 EPROM 芯片,可随机调取、显示、执行。随机附简易取样装置。本仪器符合《中国药典》1995 年版及 ZBC95001—89《溶出试验仪》的有关规定。

主要技术参数:

调速范围(r/min): 20~200±2(预置时每步 1 转)

控温范围(℃): 20~40±0.1(预置时每步 0.1℃)

定时(min): 0~999(最多九个定时段连续执行)

总功率(kW): 1.3

配套电机(kW): 1.3

外形尺寸(mm): 1100×320×450

其它规格:RC—610(300、600、700、800)

COMMODITY: INTELLECTUAL DISINTEGRATION
TESTER

MODEL: BJ I

APPLICATION:

It is used to test disintegration rate within medicine disintegration time-limit.

FEATURES:

A shaft driven by two alternating motors controlled by monolithic processor drives two groups of basket to move up and down. The tester can determine the different tablet disintegration rate within the prescribed time limit, and can govern the water bath constant temperature or timing alarm as well.

TECHNICAL DATA:

Water temperature(°C): 37 ± 0.3

Basket moving (up and down) speed(times/min): 30~32

POWER(kW): 0.06

OVERALL DIMENSIONS(mm): $365 \times 231 \times 382$

OTHER SPECIFICATIONS:

BJ(II), BJ(III)

产品名称:智能崩解仪

型号规格:BJ I

主要用途:用于测试药物在崩解时限中的崩解度。

工作原理及结构特点:通过两台交流电机驱动导杆带动两组吊篮上、下运动。该电机由单片机控制,可测定不同药片在规定时限中的崩解度,并可控制恒温水浴及定时报警。

主要技术参数:

水浴槽温度(℃): 37 ± 0.3

吊篮升降次数(次/min): 30~32

配套电机(kW):

外形尺寸(mm): $365 \times 231 \times 382$

其它规格:BJ II、BJ III

**COMMODITY: INTELLIGENT DISINTEGRATION
TESTER**

MODEL: ZBS-6D

APPLICATION:

This is a test instrument of medicines, which is specially used in testing the disintegration time limit of solid preparations such as tablets, capsules and pills.

FEATURES:

The instrument is an electron-mechanical product. It consists of a water bath, test baskets, beakers, a heating device and a microcomputer system for measurement and control. It is provided with automation functions of constant temperature, up-down motion and timing controls. It accords with the regulations of the pharmacopoeia (USP XXIII), and it is easy to operate.

TECHNICAL DATA:

Raising-lowering frequency rate (runs/min): 30~32

Moving distance (mm): 55 ± 2

When the basket is at the lowest position, the distance between the sieve and the bottom of the beaker is 25 ± 2 mm.

POWER (kW): 0.850 (Max) (50/60Hz, 220/110V)

OVERALL DIMENSIONS (mm): 500 × 430 × 540

OTHER SPECIFICATIONS:

产品名称:智能崩解试验仪

型号规格:ZBS—6D

主要用途:用于医药行业检测片剂、胶囊、滴丸等固体制剂的崩解时限。

工作原理及结构特点:该仪器是一种机电一体化产品,由水浴、吊篮、烧杯、加热组件及微电脑测控装置构成,具有恒温、升降及定量等自动化功能,符合药典(US-PXX Ⅲ)的规定,并方便于操作。

主要技术参数:

往返频率(次/分): 30~32

上下移动距离(mm): 55±2

吊篮降到最低位置时筛网距杯底 25±2

配套电机(kW): 50/60Hz, 220/110V, 0.85kWmax

外形尺寸(mm): 500×430×540

其它规格:

COMMODITY: GEL STRENGTH TESTER

MODEL: JS-I

APPLICATION:

It is used to test gelatin strength on food additive and gelatin used for making capsule.

FEATURES:

Determining gel strength value by means of BLOOM is JS-I tester's measuring method. This is that the gelatin surface is pressed down by plunger (dia: 12.7mm) to produce the force (unit: g) which can make it cave-in 4mm. The gelatin concentration is 6.67% (gravity) and needs to be placed in jar, at 10 (C for 16-18 hours. Digital circuit and step-motor driving are adopted to ensure accuracy of 4mm.

TECHNICAL DATA:

Gel strength value range(g):	5~500
Gel strength accuracy(%):	$\pm 0.5 \pm 1g$
Concave(4mm) error (mm):	± 0.1
Water-basin temperature (°C):	10 ± 0.1

POWER(kW): 1.2

OVERALL DIMENSIONS(mm):

265×230×530 (Strength testing table)

OTHER SPECIFICATIONS:

产品名称:冻力测试仪

型号规格:JS— I

主要用途:供胶囊用明胶或食品添加剂作冻力测试用。

工作原理及结构特点:国际上均以 BLOOM 确定的冻力测试方法测定冻力,并定义冻力的量值 BLOOM_g。其方法是用直径为 12.7mm 的柱塞压入冻胶表面,使其产生 4mm 深凹陷所需要的重量(以克表示)。冻胶浓度为 6.67%(重量计),并须在广口瓶中 10℃ 下置 16~18 小时。本仪器结构上采用数字电路和步进电机驱动,以保证 4mm 的精确度。

主要技术参数:

冻力值测试范围(g):	5~500
冻力值精度(%):	±0.5±1g
凹陷 4mm 时误差(mm):	±0.1
水浴箱水温(℃):	10±0.1
总功率(kW):	1.2

配套电机(kW): 55BF003 步进电机

外形尺寸(mm): 265×230×530(冻力测试台)

其它规格:

**COMMODITY: INTELLIGENT DRUG DISSOLUTION
TESTER**

MODEL: D-800

APPLICATION:

It is used in pharmaceutical, university and government laboratories for the dissolution determining of dosage form as tablet or capsule.

FEATURES:

The D-800 dissolution tester features 8 active spindles and an integrated external heater in a space-saving layout. The D-800 is designed to operate continuously according to USP XXIII specifications. The power lift head electronically seeks the correct height for paddles or baskets. The microprocessor controls the bath temperature within 0.1°C and the spindle speed within 1% during the test.

TECHNICAL DATA:

Spindle/vessel(pcs):	8
Speed range (rpm):	25~250 \pm 1%
Temperature range ($^{\circ}\text{C}$):	25~50 \pm 0.1
Spindle diameter (mm):	9.525

POWER(kW): 0.8 (50/60 Hz, 110/220V)

OVERALL DIMENSIONS(mm): 630 \times 560 \times 880

OTHER SPECIFICATIONS:

ZRS-6, ZRS-8, ZRS-8A

产品名称:智能药物溶出仪

型号规格:D—800

主要用途:用于医药、院校和政府有关检验、试验部门确定片剂或胶囊剂的溶出度。

工作原理及结构特点:D—800 溶出度测定仪有 8 根转杆和一个紧凑的外置加热器,D—800 符合 USPXX Ⅲ的技术要求,适于连续工作。机头可电动寻找浆法或篮法的正确高度。微型计算机在测试过程中控制水箱温度精度 $\pm 0.1^{\circ}\text{C}$,转杆转速精度 $\pm 1\%$ 。

主要技术参数:

转杆/杯数:	8
转速范围:	20~250 RPM; $\pm 1\%$
温度范围($^{\circ}\text{C}$):	20~50 $^{\circ}\text{C}$; $\pm 0.1^{\circ}\text{C}$
转杆尺寸(mm):	9.525

配套电机(kW): 110/220V,60/50Hz,0.8kW

外形尺寸(mm): 630 \times 560 \times 880

其它规格:ZRS—6,ZRS—8,RCZ—8A

COMMODITY: INTELLIGENT PARTICLE DETECTOR

MODEL: WJ-2

APPLICATION:

It is used for detecting of the size and the number of undissolved particles in the injection.

FEATURES:

The particle detector, according to Coulter Technique, adopts Siphon control system composed of a vacuum pump, a negative pressure sensor and electromagnetic valves instead of mercury. It can take data of three channels at the same time. It is fashionable and easy to operate.

TECHNICAL DATA:

Detecting range(μm):	5~40
Set channels(μm):	$\geq 5, \geq 10, \geq 25$
Sample amount:	1ml
Counting time:	$\leq 30\text{sec}$
Error in repeating count:	$\leq 2\%$ (Particle count $\leq 5000/\text{ml}$)

POWER(kW): 0.07

OVERALL DIMENSIONS(mm): 355 × 412 × 308

OTHER SPECIFICATIONS:

产品名称:智能微粒检测仪

型号规格:WJ—2

主要用途:用于测定注射液中不溶性微粒的大小和数量。

工作原理及结构特点:以库尔特计数技术为基础,采用了真空泵、负压传感器、电磁阀组成的主动虹吸控制系统,可同时测定三种不同粒径范围粒子的数量,操作简单,方便实用。

主要技术参数:

测定范围(μm):	5~40
设定通道(μm):	$\geq 5, \geq 10, \geq 25$
采液量(ml):	1
计数时间(s):	≤ 30
重复精度:	$\leq 2\%$ (粒子浓度 ≤ 5000 粒/ml)

配套电机(kW): 0.07

外形尺寸(mm): 355×412×308

其它规格:

COMMODITY: BACTERIAL ENDOTOXINS TESTER

MODEL: BET-16

APPLICATION:

An automated test and analysis system is suitable for measuring the Bacterial Endotoxins by using Turbidimetric Kinetic Assay.

FEATURES:

The test and analysis system consists of responder and computer with software for controlling and analyzing. It measures the Bacterial Endotoxins by using Turbidimetric Kinetic Assay. It has an automated temperature controlling responder which detects and records turbidity changes for data processing later. Available range of Bacterial Endotoxins concentration is 0.001~100EU/ml.

TECHNICAL DATA:

Temperature(°C):	37.0±0.3
Test tubes:	16
Sample interval(s):	10
Total detective time (s):	8,400

POWER(kW): 0.1

OVERALL DIMENSIONS(mm): 495×290×150

OTHER SPECIFICATIONS:

产品名称:细胞内毒素测定仪

型号规格:Bet—16

主要用途:应用动态浊度法定量测定和分析细菌内毒素。

工作原理及结构特点:该系统由反应器、计算机以及运行于计算机上的控制分析软件组成利用动态浊度法的原理,能够自动恒温并检测浊度变化,能够测定 0.001—100EU/ml 浓度范围的细菌内毒素。

主要技术参数:

温度(℃):	37.0±0.3
试管数(个):	16
采样间隔(秒):	10
最长定时(秒):	8400

配套电机(kW): 0.1

外形尺寸(mm): 495×290×150

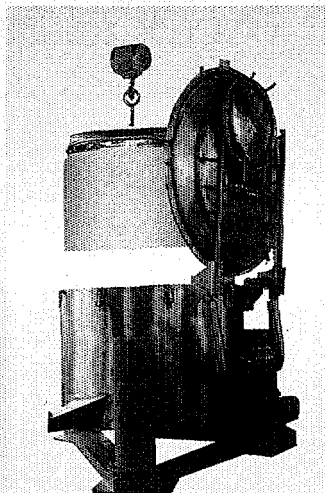
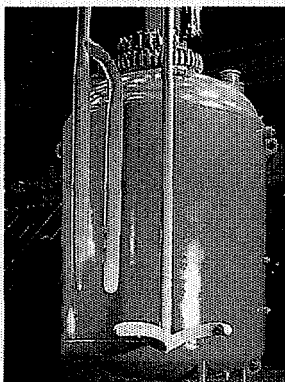
其它规格:

LIAOYANG PHARMACEUTICAL MACHINERY CO., LTD.

LEGAL REPRESENTATIVE: WU LIJU

Liaoyang Pharmaceutical Machinery Co., Ltd. was set up in 1947 and it has the history of production of over 50 years. It is the largest pharmaceutical machinery manufacture in China.

Its main products are centrifugal separation machinery, glass-lined equipment, medicinal packing machinery, cycloidal reducer and design and manufacture of non-standard pressure vessels. Its products have reached the advanced level in China and some to the international level. The products are sold well more than 20 provinces, cities and autonomous regions. They are also exported into Pakistan, India, Thailand, Indonesia, Korea, South Korea, Spain and Argentina etc.

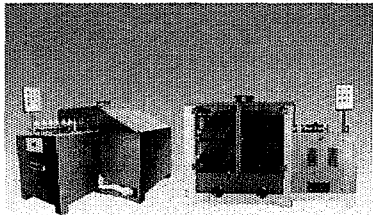


Address : No.2, Sec.1, Shengli Rd, Liaoyang City, Liaoning Province

Postal Code: 111000 Telephone: 2126405

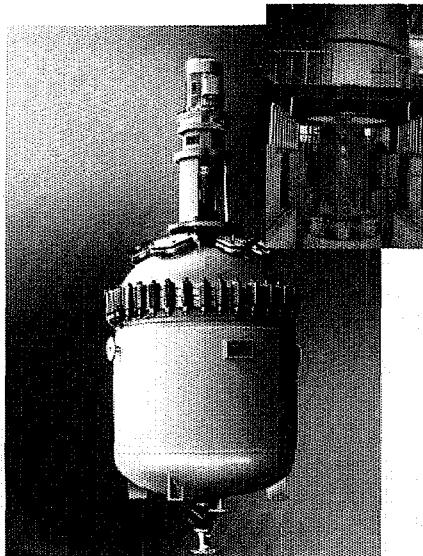
Fax : 0419-2158106

Model QJT100/500A Cylinder-Tape
Infusion-Fluid Bottle Cleaner

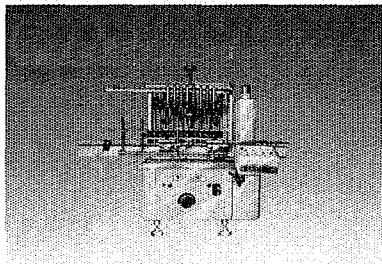


Glass Lined Reactor

Glass Lined
Equipment



Model GC100/500B Glass Infusion Bottle
Line Inject Type Filling Machine



CHONGQING PHARMACEUTICAL MACHINERY FACTORY

Address: No.35, Shapingba Main Street,
Chongqing, P.R.China

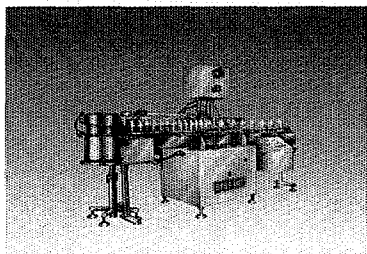
Tel: 0086-23-65312352

Cable: 1434

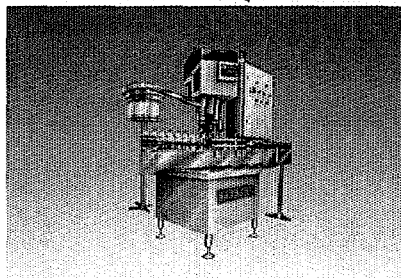
FAX: 0086-23-65315646

Post Code: 400030

Model FZJ100/500B Glass Infusion Bottle
Rubber-plug Turning Machine

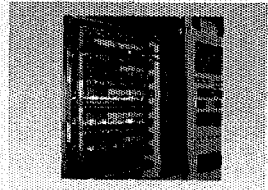
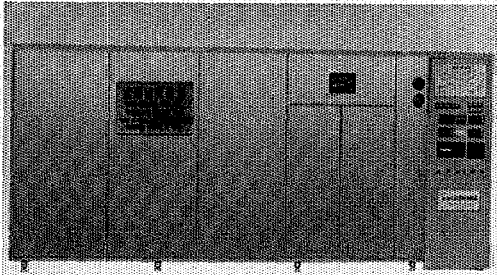


Model FGL100/1000B Glass Infusion
Bottle Cap Pressing Machine



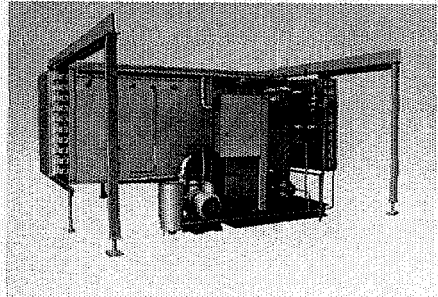
Model PSY100/500B Bottled Infusion Fluid Production Line

Model SR2540(3000° 1200 600)/90 Water-Bath Type Sterilizer Product Series.

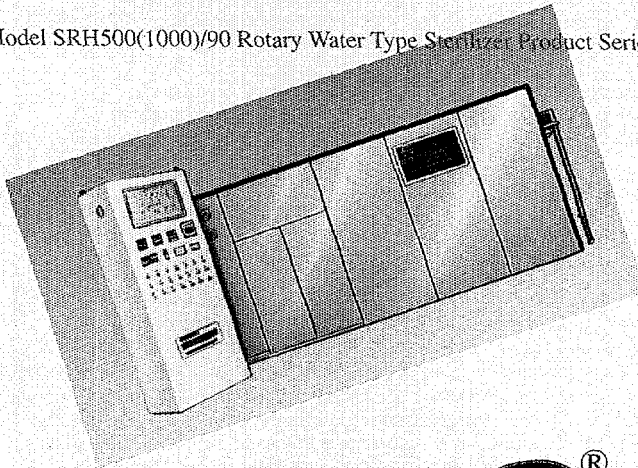


CHONGQING PHARMACEUTICAL
MACHINERY FACTORY

Address: No. 35, Shapingba Main Street,
Chongqing, P.R. China
Tel: 0086-23-65312352
Cable: 1434
FAX: 0086-23-65315646
Post Code: 400030



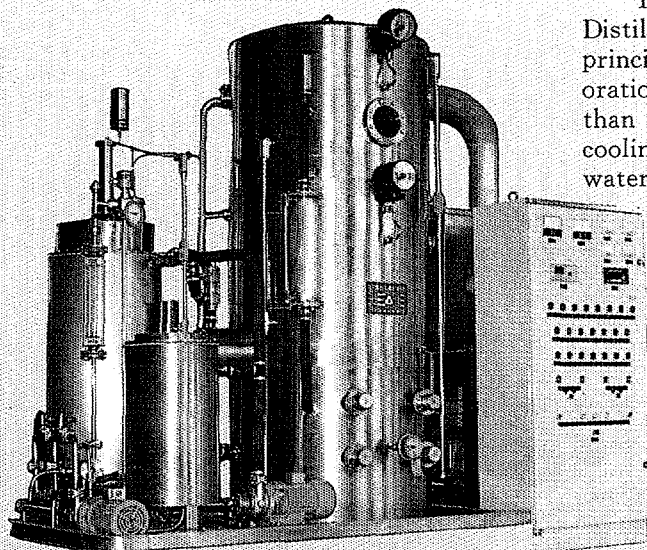
Model SRH500(1000)/90 Rotary Water Type Sterilizer Product Series



金雁

JINYAN

Ry Thermocompression Distiller



Ry Thermocompression Distiller is based on the principle of heat pump evaporation. It's saved more than 90% energy without cooling water. The distiller water is high quality, low cost and stable water quality. It conforms to the standard set by the People's Republic of China for use in medical injection. It's also suitable for use in chemical, petroleum, food, desalination of sea water, medical treatment and light industry.

Main Products

- 1) Air Lift Ferment Reactor
- 2) Thermocompression Distiller
- 3) Horizontal Closed Peeler Centrifuge
- 4) Double-cone Rotary Vacuum Dryer
- 5) Oscillating Granulator
- 6) Multi-effect Water Still
- 7) Glass lined Closed Reactor
- 8) Mixer
- 9) Powder Forming Machine
- 10) Sugar Coating Machine
- 11) Honey Refining Unit
- 12) Non-standard Chemical Equipment
- 13) Motion Crystallizing Machine
- 14) Spraying Drying Tower
- 15) Auto Ion Exchange Water Treatment Machine

Brief Introduction

Baoji Pharmaceutical Machinery Works is one of the key manufactures of the State Medicine Administrative Bureau, specializing in producing pharmaceutical and chemical equipment. It has 30 years kindly service experience for state and abroad user in pharmaceutical industry. It also gets good name from user.

The works has chief production shops of riveting and welding, glass lining, forging, machine and heat treatment. It has a backbone of rich experience, skilled business and excellent technology. It has perfect system of quality administration and advanced test means. The works research institute is in contact with the enterprises of the pharmaceutical, chemical and college of the whole country. It devotes itself to the development of pharmacy chemical machines and equipments new products and technique. It has put a lot of high technology products on the market.

Director: Li Guitang
Post Code: 721006

Add: 21 Chuan Shaan Road, Baoji, Shaanxi.
Tel: 0917-3315195

Fax: Cable: 2750

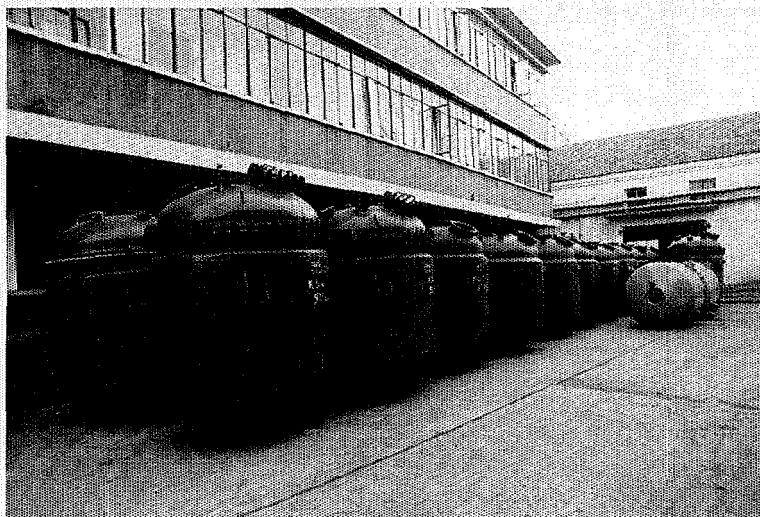
Shandong Xinhua Pharmaceutical Co. Ltd.

Shandong Xinhua Pharmaceutical Co. Ltd.(former Shandong Xinhua Pharmaceutical Factory) established in 1943, is a backbone enterprise of Shandong Xinhua Pharmaceutical Group Co. and one of national king signed enterprise. Mechanical plant with 3000 square meters in area and 15 million yuan of fixed assets is affiliated to the company.

The plant succeeded in making china's first glass-lined reactor in 1953, and was awarded with national creation & invention prize. It can manufacture 7 kinds of glass-lined equipments in 55 specifications, BRI class pressure vessels, preparartions facilities, and chinese medicine extractors with the licences for the manufacture of class I and class II pressure vessels and industry products.

The brand of product:Xinhua

Legal representative:He Duanshi

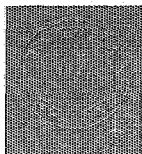


Authorized agent: Zheng Dezeng

Address:No.25 Xinhua street Zhangdian district Zibo city
Shandong province PRC.

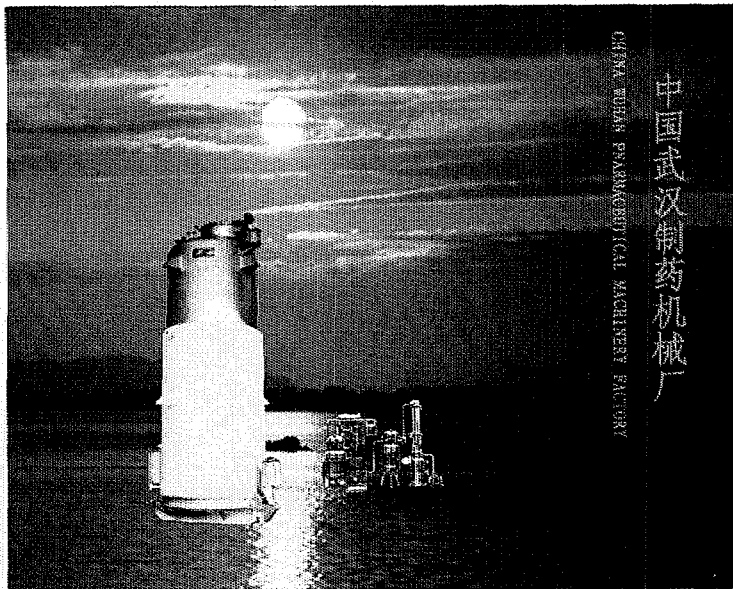
Post code:255005 Telex:(0533)2185538

Tel:(0533)2184223-2340 or 2344



中国武汉制药机械厂

CHINA WUHAN PHARMACEUTICAL MACHINERY FACTORY



CHINA WUHAN PHARMACEUTICAL MACHINERY FACTORY

中国武汉制药机械厂

Wuhan Pharmacy Machinery Factory of China is one of the designated factories by the State Administration of Medicine for manufacturing equipment of traditional Chinese medicine.

The factory has been in service for pharmacy, chemical industry, foodstuff, health care, light industry and other trades for over 30 years. With powerful technical forces, advanced technology, fine processing equipment, reliable testing measures and complete quality assurance system, the factory integrates the design and production of pressure vessels, leading the tide in developing in research for traditional Chinese medicine equipment.

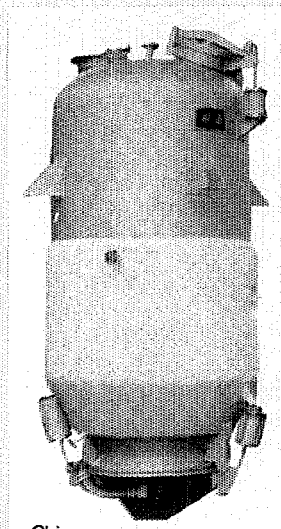
Its "Jinguan" multi-functional extractor has been awarded with quality product titles by the State Administration Bureau of Medicine in 1989, and its WC-400 type pulverizer and PG-26 spray drying unit have been awarded with prizes from the State Administration Bureau of Medicine and Wuhan City respectively. Meanwhile, its "Dynamic extraction production line" filled the vacuum in China.

Quality first and client priority have been always the unique guiding principle of China Wuhan Pharmacy Machinery factory.

Add: 25Hangxiang (Red Lane), WuChang District, Wuhan Hubei Province, China.

Postcode: 430061 Cable: 1000

Tel: 027-8844815 8875662 8872022 8875663 Fax: 027-8874935



Machinery Factory

Changshu Pharmaceutical Machinery Factory is one of the core enterprises which are under Jiangsu Changshu Pharmaceutical Group Co.,Ltd. It is an enterprise designed by the State Pharmaceutical Administration and the State Traditional Chinese Administration. The Factory has the licences of desibning, manufacturing and installing class A and class B pressure vessels. It mainly produces 4 series of equipment, such as extractors, separators, concentrators, dryers, etc and over 100 varieties and specification in 10 categories of Pharmaceutical, food-making and chemical machinery.

Main products

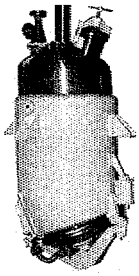
Product Name	Specifications
1 Multi-Function Extraction Tank	1~7M ³
2 High-Efect Film Evaporator	2.2M ² ~60M ²
3 External Circulating Uni-Efect evaporator	350~2000kg/h
4 Coering-Type External Circulating Evaporator	700kg/h~1000kg/h
5 Tri-Efect Vaporizing Concentrator	500kg/h~2000kg/h
6 Vacuum Reduced pressure Concentration Tank	100L~2000L
7 Spherical Concentration Tank	250L~3000L
8 Return-Flow Concentration Tank	500L~1000L
9 Tilling-Type Reaction Caldron	50L~500L
10 Sterilizing Dryer	12M ²
11 Alcohol Recovery Tower	Model 200~Model 800
12 The Complete set of Equipment for Extracting and concentrating	TN500~TN3000
13 Pipe-Standing-Type Multi-Efect Water Distiller	500kg/h,1000kg/h
14 Coil-Type Water Distiller	300kg/h,500kg/h
15 High-Purity Water Distiller	200kg/h,400kg/h
16 Ion Exchange Water Vessel	1000kg/h,2000kg/h
17 Injection Water Storage Tank	2.3~5M ³
18 Preparing Tank	300L~2000L
19 Material Storage Tank	0.5~10M ³
20 Alcohol-Depositing Tank (Water-Depositing Tank)	300L~2000L
21 Ultra-Sonic Cleaning Machine	

Add : No.38 Yushan North Road, Changshu Jiangsu Province ,
P.R.China

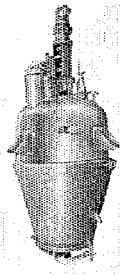
Tel: 0520-2895982 2897666

Fax: 0520-2897000

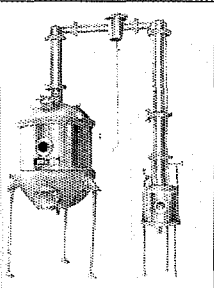
P.C: 215500



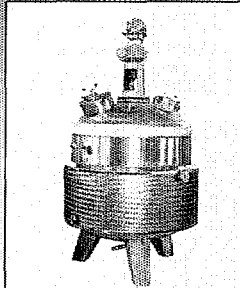
Multi-Function Extraction Tank



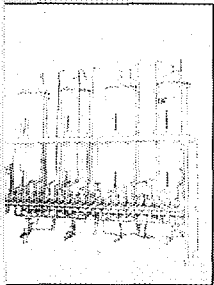
Preparing Tank



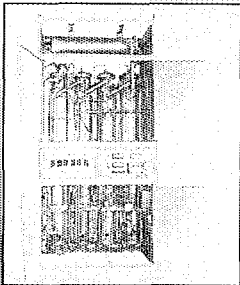
Vacuum Reduced pressure
Concentration Tank



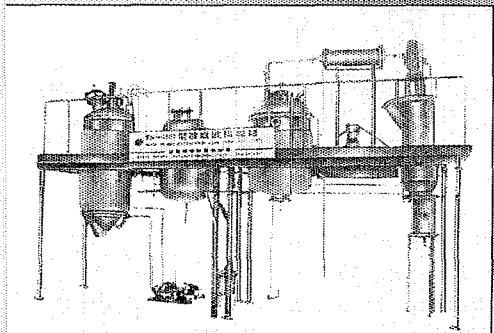
Preparing Tank



Ion Exchange Water Vessel



Water Distiller



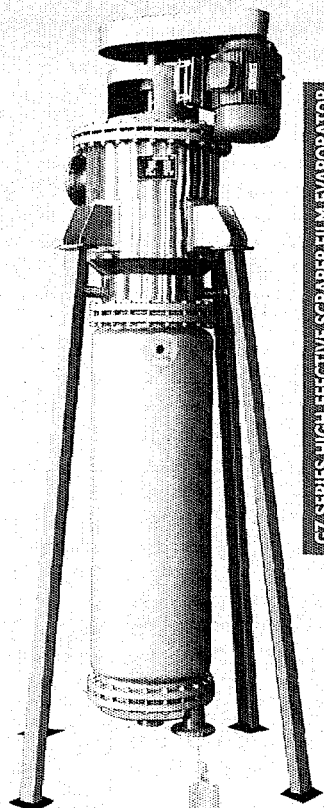
Complete set of Equipment for Extracting and concentrating

BRIEF INTRODUCTION OF ENTERPRISR

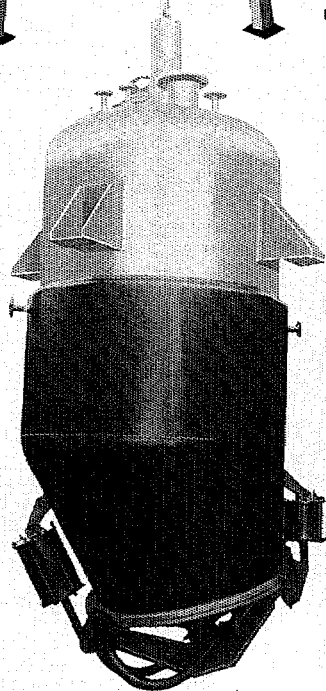
Wenzhou chemical machinery factory (another name: wenzhou pharmaceutical machinery factory) was set up in 1966 and is the members of national Association of Pharmaceutical Machinery & Equipment Industry and the branch of National Special Pressure Container Technical Committee with the qualification to manufacture BRI-grade pressure container (No. of manufacturing licence: RZZZhe039-99). It holds 16.86 million yuan of the fixed assets, 16,170 sq.m of the factory land, 8,058 sq.m of the building area and 3,000T of the annual designing capacity for pressure container; and in the past years, the products of pharmaceutical machinery were many times given with prizes, such as the Secondary prize of scientific & technical Advance of Wenzhou City, the Silver bottle prize of Invention of Zhejiang province, the Third prize of Scientific & technical Advance of the National Medicine Bureau and the prize of Qualified New-product of the National Economic Committee.

with powerful technical force, perfect quality guarantee system and exquisite technology of processing, the product quality has been made good and stable for a long time. the equipments for raw material medicines, traditional Chinese medicines, preparations and pharmaceutical packings provided for pharmaceutical industry and the equipments of pressure containers provided for chemical, foodstuff, beer etc. industries are well sold to the 31 cities, provinces and autonomous regions of the nation and abroad, and also, the design, manufacture and installation for non-standard pressure containers are deeply in the users' good graces.

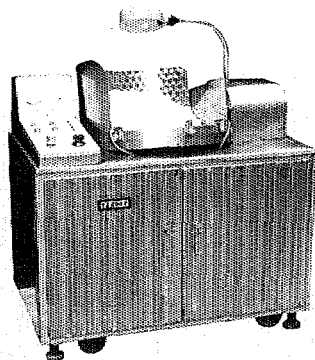
The factory always sticks to the motto of "paying much attention to quality and honouring all contracts and sincerely welcomes all users to give advice and to mutually create the brilliant future under the



GT SERIES HIGH EFFECTIVE SCRAPER FILM EVAPORATOR



TQ series 0.3-6m³ multifunctional extracting can



Series Capsule, Tablet Printing Machine

Add: No. 106, Xueshan Rd, Wenzhou, China

Tel: 0577-8524295 9015271 9039421

Fax: 0577-8525448 Cable: 0209

Postcode: 325005

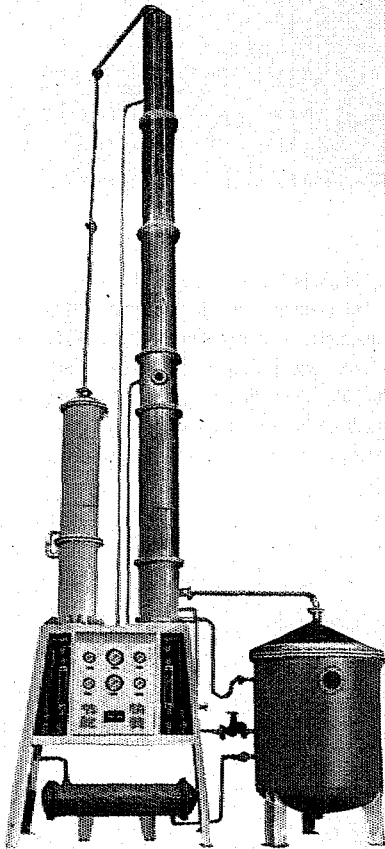
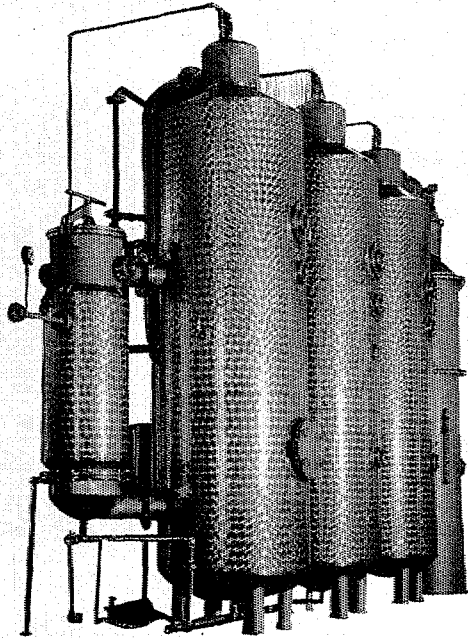


Ruian Pharmaceutic Machinery Factory Zhejiang China

Brief Introduction

Our plant was set up in 1965 it's a member of association in pharmaceuticequip in China. It is entitled to be strictly perform obligation by contract's plant by province. Village & town's bureaus acknowledge 7 items of management qualified. It has not only super production equip & perfect inspect means but abundant technique and powerful ability of research. We can design a full of equipment of China medicine material concentration, unusual equipment, pipe install for user.

SJZN-1000 Tripartite Energysaving Evaporating



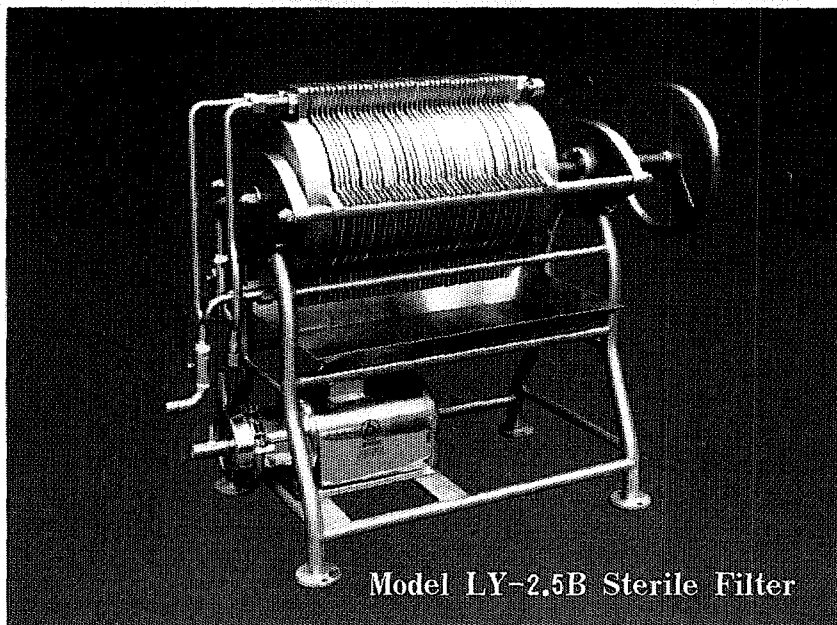
Other Products List

name of article	model	remark
Double-blade Mixer	WSH-150	
Tripartite Energysaving Evaporating	SJZN-500 SJZN-2000	Serial
Rolling style Automatic Bubble Packing Machine	DP-250	
Flatbed Style Automatic Bubble Packing Machine	DPP-(140~250)	Serial
External Circulating Vacuum Evaporator	WZ-(500~1000)	Serial
Fast Setting Alcohol Recovery Tower	JH-(200~600)	Serial
Multi-extractor	TQZO(3M ³ -6M ³)	Serial
Boiling Box - desiccator	XFG - B	
Model - V High Efficiency Blender	GHV-(0.5 ³ ~2.5M ³)	Serial
Efficiency Scraper Film Evaporator	0.8M ² ~ 15M ²	Serial
Balling Concentrated Pot	NQ-(200~1000)	Serial
Double Up & Down Film Evaporator	7M ² - 25M ²	Serial
Efficiency Move Drawing Concentrated Machines	TQWZ-(1-200 ~3-500)	Serial
Boiling Water Rotary kill germ machine	150	
Concentrated Drawing Alcohol Machines	300 ~ 1000	Serial

JH-Serial Alcohol Recovery Tower

Add: 20 yanjiangxincun Ruian City Zhejiang China

Tel: 0577-5622267 5623309 5653288 Fax: 0577-5622267 Ptc: 325200



Model LY-2.5B Sterile Filter

● Brief Introduction

Located in Leshan City, Sichuan which is famous for its beautiful scenery and traditional culture, Long March Pharmaceutical Machinery – a subsidiary of Sichuan Long March Pharmaceutical Co., Ltd., is a manufacturer of different kinds of filters, bottle shakers, pressure containers and customized equipment. With the attractive scenic spots nearby including *Leshan Grand Buddha and Mount E'mei*, the plant is targeting to further develop and market its products supported by best quality and post-sales services, and to establish better reputation in both domestic and overseas market.

● Main Products List

Model LY-2.5A(B) Sterile Filter
Model ZP-96A(B) Bottle Shaker
Model ZP-450 Bottle Shaker
MF-B Serial Metal-Powder Air-Filter

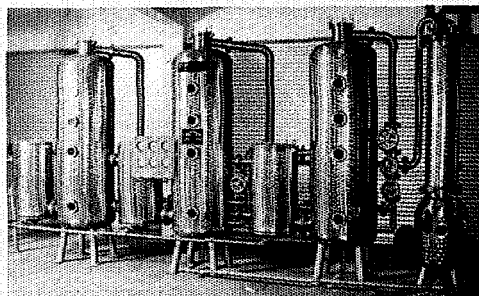
● Address:

Long March Pharmaceutical Machinery
Sichuan Long March Pharmaceutical Co., Ltd.
120 Baiyang Road, Leshan
Sichuan 614006, China
Tel: 0833 2440059 Fax: 0833 2440059
Legal Representative: Meng Dejun

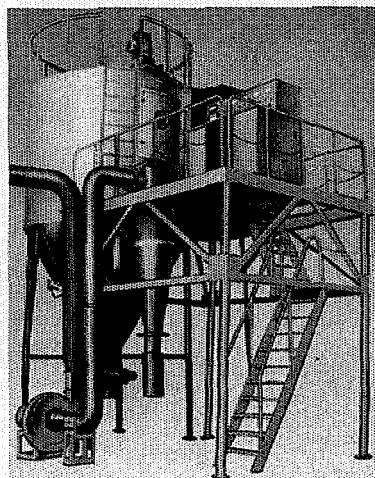


WENZHOU ZHONGZHI MEDICINAL EQUIPEMENTS FACTORY

SJN-500B-8000B LATEST TYPE 3-EFFICIENT ENERGY-SAVING
CONCENTRATOR. (ALCOHOL CAN BE RETRIEVED)



DG FOG-SPRAY DESICCATOR



Our factory is presently by the largest manufacturing base for facilities for extracting, concentration, alcohol recovery, precipitation, filtration, bacterin killing and drying, etc. of herbal medicine and plant medicine. With brand new, advanced and energy conservative equipment, the factory owns high prestige, low price and immense customers. Especially Three Function Energy Conservative Concentrator, Multi-purpose Alcohol Recovering Concentrator, the best seller appeal to domestic customers who account for 70% of all customers. Equipment like dynamic extractor, single function concentrator, alcohol recovering tower, melangeur and alcohol precipitator, spray dryer and filter, etc. have been exported to southeast Asian countries.

After the use of complete equipment by Thailand Shilefu International Co., Ltd. they appraise our factory as low price excellent quality, high prestige and satisfying service.

Our main products are: D700. 5m³-6m³ dynamic extractor forced outer circulation extractor, SJN-300-800B double function, tri-function energy-conservative concentrator SJN-1000-10000 tri-function falling-film evaporator. DJN-500-2000A, B multi-purpose alcohol recovering & concentrator. JC-500-6000 alcohol stir precipitator, PYG-3-150 one-step spray drying pelleter, etc.

Add: Shipu Ind. Zone, Yongzhong, 559 Airport Ave, Wenzhou

P.C.: 325024

Factory Manager: Wang Chengdong

Tel: 86-0577-6373357 86-0577-6371414 Fax: 86-0577-6876357

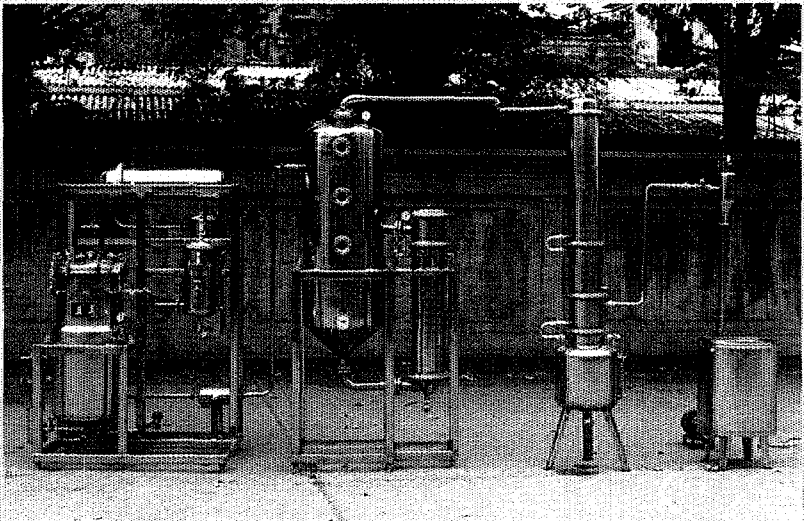
Shift phone: 86-01396636918 86-0577-9009087 86-0577-9100529

WUHAN MEDICAL APPARATUSES AND INSTRUMENTS PLANT

Wuhan Medical Apparatuses And Instruments Plant is one designated by the State Medical Administration Bureau to manufacture medical apparatuses and instruments and pharmaceutical equipment. It has a history of more than 40 years.

The plant is well equipped with all kinds machines and testing apparatuses, as well as powerful technical team. It has been qualified to manufacture pressure containers. The medical apparatuses and instruments and pharmaceutical equipment are widely used in hospitals, pharmaceutical plants, beverage and food industry and scientific research organizations. It has gained good reputation among its customers all over the country. Its main products are medicine preparation machines, multifunctional extracting & concentrator machines, ointment batch pouring machines, steam sterilizer, distilled water machines in 5 kinds of more than 20 varieties.

Multi-Functional Extracting And Concentrate-Reclaiming In Outer-Circulation Set



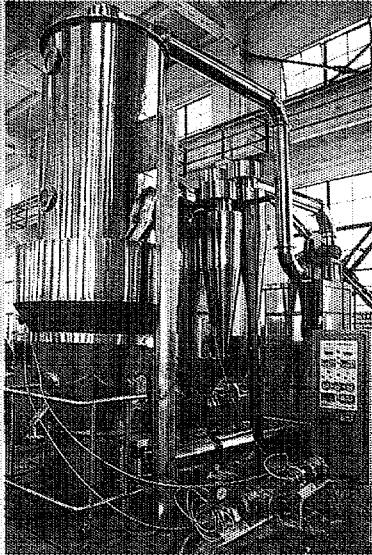
Add:NO.1 Xincun, Sanjiao Road, Wuchang, Wuhan, China.
Tel:027-6811350 027-6811202 Fax:027-6811258
Cable:Wuhan6830 Post Code:430062



PGL SPRAY DRYING GRANULATOR

(ONE-STEP GRANULATOR)

Patent No. ZL95240611.X



Mixing
 Spray drying
 Granulating
 Coating

Liquid → Granules

All parts in contact with the product made of stainless steel
 Good Manufacturing Practices

Data:

Size	3	5	15	30	50	80	120
Liquid kg/h	2-4	4-6	10-25	20-40	40-75	65-105	105-150
Steam consumption kg/h	35	55	120	211	284	341	411
consumpressed air m ³ /min	0.5	0.6	0.6	0.9	0.9	1.1	1.3
capacity kw	6.7	10	10.7	13.5	21	32	41
Electric heating kw	6	9	27	36	60	75	99

ChangZhou One-Step Drying Equipment Factory

Address : JiaoXi, ChangZhou, China. 213116

Tel : 0519-8902618 8902818

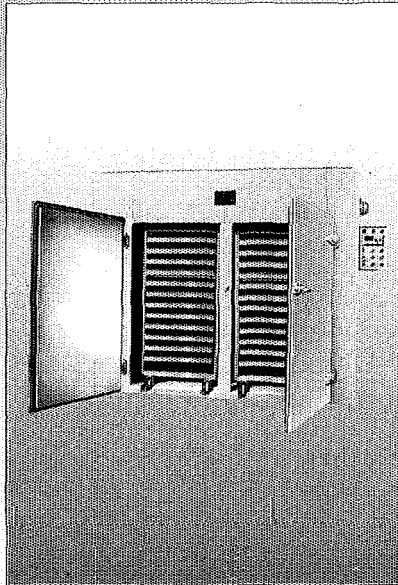
Fax : 0519-8902818

Cable : 7078



HEAT CYCLE OVEN

to be produced first time in china



WON High Quality
Prizes Province And
ministry

Applications:

It suits to be used in
pharmaceutical Food
And chemical Indus-
tries For drying Wet
Material

Size	Rxh-14-b	Rxh-27-b	Rxh-41-b	Rxh-54-b	Rxh-5-c	Rxh-25-a
capacity tkg/batch	100	200	300	400	25	50
steam consumption kg/h	20	40	60	80	5	10
wind volume m ³ /h	1400	5200	9800	9800	3450	2500
power kw	1.1	1.1	2.2	3.2	0.45	0.45
overall dimensions mm	2430×1200× 2375	2430× 2200× 2433	3430× 2200× 2620	4380×2200× 2620	1550×1000× 2044	1200× 1000× 1600

ChangZhou One-Step Drying Equipment Factory

Address : JiaoXi, ChangZhou, China, 213116

Tel : 0519-8902618 8902818

Fax : 0519-8902818

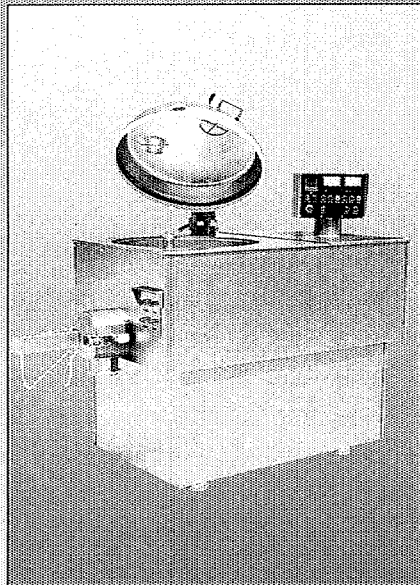
Cable : 7078



GHL HIGH-SPEED MIXER GRANULATOR

Mixing : 2min/Granulating : 1-4min

Standard Features :



constant spiral product flow facilitated by the pear-shaped process pan in vessel lid integrated observations window with wiper
 chopper designed with stringed crossscrew blades
 additional stainless steel cover for chopper motor protection
 quick discharge by rotating blades
 all product contacting parts are in stainless steel, mirror polished
 CGMP construction with air purge sealing of drive shafts

Data:

volume	l	10	150	200	250	400
capacity	kg/batch	3	50	80	100	180
agitator speed	c.p.m	300/600	240/360	180/270	180/270	106/155
motor capacity	kw	1.5/2.2	6.5/8	9/11	9/11	18.5/22
chopper speed	c.p.m	1500/3000				
motor capacity	kw	0.85/1.1	2.4/3	4.5/5.5	4.5/5.5	6.5/8

ChangZhou One-Step Drying Equipment Factory

Address : JiaoXi, ChangZhou, China. 213116

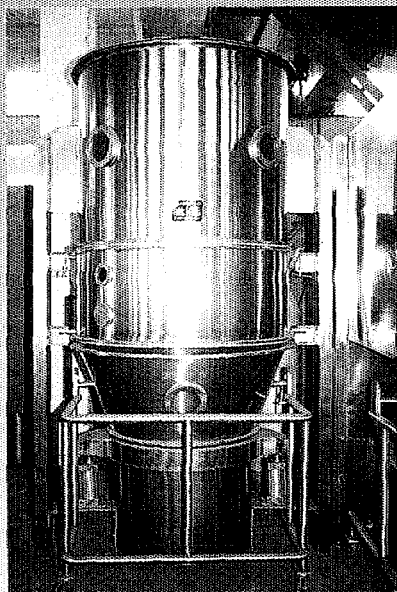
Tel : 0519-8902618 8902818

Fax : 0519-8902818

Cable : 7078



FL FLUIDIZED-GRANULATOR



(ONE-STEP GRANULATOR)

- Mixing
- Granulating
- Drying
- Filmcoating

Export:

DaMei Medicine Industry USA
ITK.CLT Japan etc.

Applications:

It is applicable in pharmaceutical, food and chemical industries to make granules and dry product. The granules can be used to press tablets or quick-soluble

Standard Design Features:

All part in contact with the product made of stainless steel.

Complete spraying device with co-axial air atomized spray nozzle and peristaltic pump.

Separate fan unit

Observation windows

Pneumatic outlet air flap for control of fluidization height

Good Manufacturing Practices

capacity:kg/bacth	3	5	15	30	45	60	90	120	200	300	500
volume:l	12	22	45	100	155	220	300	420	660	1000	1500

ChangZhou One-Step Drying Equipment Factory

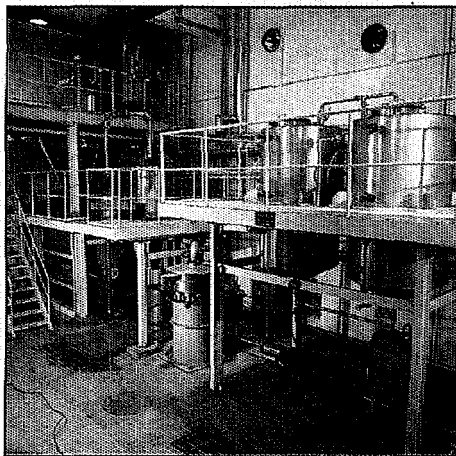
Address : JiaoXi, ChangZhou, China. 213116

Tel : 0519-8902618 8902818

Fax : 0519-8902818

Cable : 7078

PRODUCTION LINE FOR MAKING TRADITIONAL CHINESE MEDICINE BY DYNAMIC WATER LEACHING PROCESS



STEPS:

- A. Dynamic water leaching;
- B. Three-stage Liquid-solid separation;
- C. Low temperature vacuum concentration;
- D. Spray drying

ITEMS	SPECIFICATIONS PARAMETERS	Raw material feed (kg/batch)			
		50	100	200	300
Method		Hot water dynamic leaching			
Raw material feed (kg/batch)		50	100	200	300
Max. feed water leaching (L/min)		500	1000	2000	3000
temperature for Leaching		95°C ± 5°C or 100°C ± 2°C			
Leaching time		1-2 hrs./batch (time being calculated when water temperature meets requirement)			
Solid-liquid separation Mode		Centrifugal			
Mode for residue removal		Mechanical scraping			
Mode for concentration		Vacuum concentration by natural circulation			
Max. concentration speed (kg/hr) water		300	600	1000	1500
Mode for drying		Spray drying			
Liquid feed for spray drying (kg/hr.)		30	60	120	180

Main functional
parameters

**ShangHai Jin Qiao
Spray and Dry
Complete Equipment
Plant**

Address: 60 Ying Jia Bang
Yang Gao Rd Pu
Dong ShangHai
China

Tel: 0086-021-58545772
Fax: 0086-021-58995886
Post Code: 201206

JIANGYIN FREEZE DRYING EQUIPMENT PLANT

We are specialized in manufacturing various kinds of freeze drying equipment, our products can be classified into three basic series, which contains of 16 detailed specifications.

I. FREEZING DRYER FOR TESTING PURPOSE:

0.2m²~1m²

II. FREEZING DRYER FOR PRODUCTION PURPOSE:

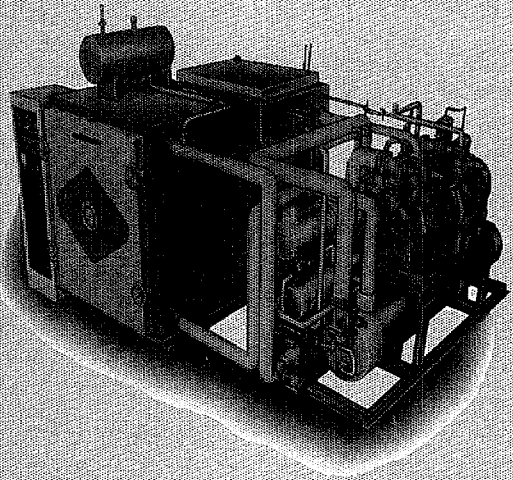
2m²~10m²

III. LARGE-SCALE FREEZING DRYER, ESPECIALLY USED FOR FOODSTUFF INDUSTRY 20m²~100m²

We can also supply the following equipment:

- *Circulating hot air oven
- *Tunnel sterilizer
- *V-type mixer
- *Ultrasonic washing machine
- *Vacuum dryer
- *Alcohol recovering tower
- *ZS series vibrating screener
- *Mixing granulator

GDA Series Freeze Dryer Machine



Add: West street, Shen Gang Zhen, Jiangyin.

Jiangsu, 214443, China

Tel: 86-510-6621001, 6621481

Attn.: Mr. Zhang Yao Fang



天利集团

北京天利医药设备有限公司

Pharmatech Group

Beijing Tianli Medicine Equipment Co., Ltd

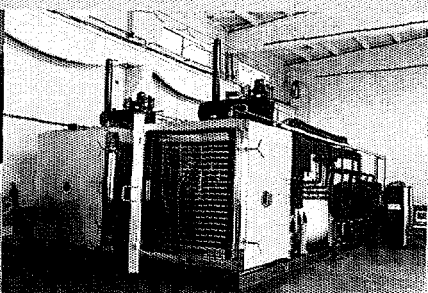
Dear friends,

Beijing Tianli Medicine Equipment Co., Ltd., a subsidiary as a joint venture of Pharmatech Group. The TL-Lyoeptic Freeze dryer which is produced first in China by introducing the leading foreign techniques, adopting imported parts with high quality, which receives high opinions in the related field and from our customers. So far, TL-Lyoeptic 40(40m²) freeze dryer which reaches the internationally leading level of the 1990s, has already been put into practical use in some of biggest national corporations e.g. NCPC, Harbin Pharmaceutical Factory and Harbin #2 Pharmaceutical Factory.

We are ready to offer good service to you.

Sincerely yours

(Nie Qiming)
General Manager



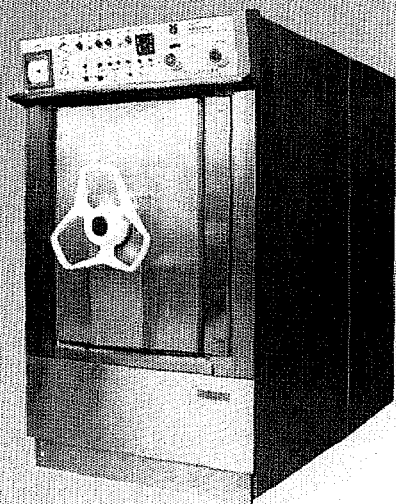
Address:

香港：九龙白加士街25号
庆云商业大厦12写字楼
Hong Kong: 12/F Hing Wan Commerical
BLDG. No.25 Parkes Street, Kowloon
Hong Kong
TEL : 852-27303668
FAX : 852-27303668
Home Page: WWW.tl-pharmatech.com

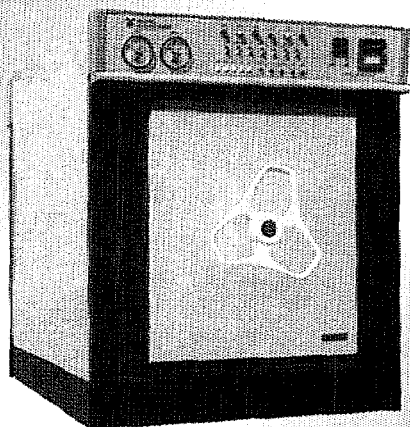
北京：朝阳区麦子店西路3号新恒基
国际大厦311室100016
Beijing: Rm.311 Towercrest Plaza
Maizidian West Rd., Beijing
P.R. China 100016
TEL : 86-10-64671989
FAX : 86-10-64671986
E-mail: sales.tl@tl-pharmatech.com



山东新华医疗器械集团有限公司
SHANDONG XINHUA
MEDICAL INSTRUMENT GROUP
CO., LTD.



XG1 - P型脉动真空灭菌器
XG1 - P Pulse Vacuum Sterilizer
Esterilizador vacuo pulsatil de xg1.p



XG1 - K型快速冷却灭菌器
XG1 - K Quick Cooling Sterilizer
Esterilizador con enfriamiento rapido
de XGLK

新华产品
走向世界

公司地址: 山东淄博市张店区洪沟路2号

邮编: 255027

国际贸易部

电话: 0533-2184349 2183171-343

传真: 0533-2184349

Add: 2Honggou Road,Zhangdian District,Zibo,
Shandong Prov,P.R.CHINA

Post Code: 255027

INTERNATIONAL TRADE DEPARTMENT

Tel:0533-2184349 2183171-343

Fax:0533-2184349



YANGCHUNHUI SCIENCE & TECHNOLOGY DEVELOPING Co. Lt.d.

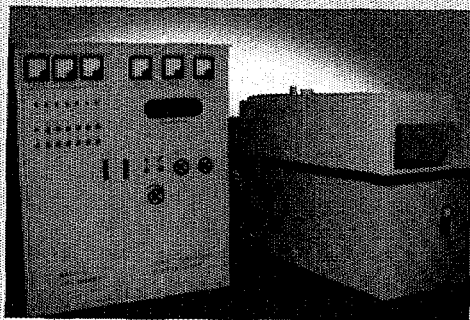
This company is a hi-tech. industrial company, which specializes in developing and manufacturing sterilizer and drier with electromagnetic wave.

Main products are GM series sterilizers for traditional Chinese medicine (foods). Its patent No. is ZL932i6624.5, whose sterilizing source is electromagnetic field with low temperature, atmospheric pressure. When the wonderful sterilizing is finished, it is sure that the effective component isn't damaged. Specially, it has absolute sterilizing effect on pathogenic bacteria.

It is operated easily and runs smoothly and reliably. Effect is excellent, which is in line with the GMP standards.

This machine was awarded the golden prize of "National carefully-chosen patent products castle" in 1993 and the first grade "Golden bridge" achievement prize of S.& T. by Ji-lin province.

The manufacturing machine is supervised by CAPE.



Address: No. 73 Shuang-Quan-Pu

Hai Dian district

Beijing, China

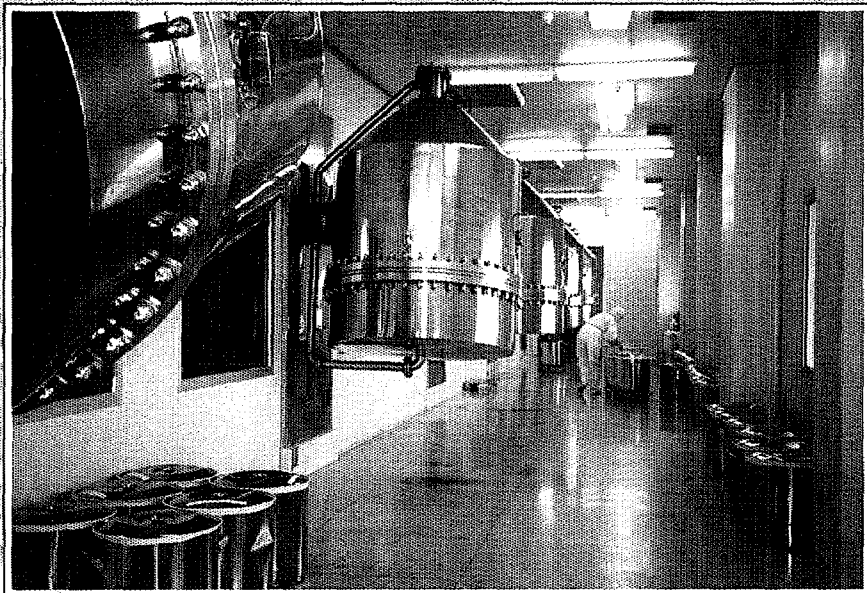
Liaison officer: Mr. Gao Xiao

P.C.: 100085

Fax: 0086-10-62329131

Tel.: 0086-10-1391388610

COMBINED MACHINE FOR CLEANING RUBBER STOPPERS OF PHIALS



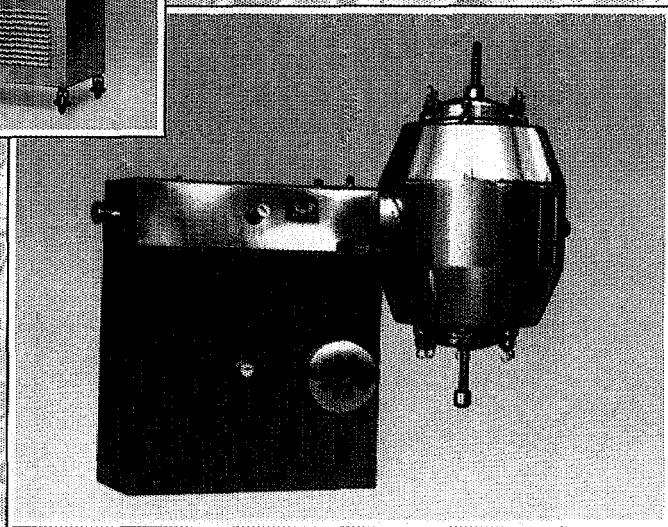
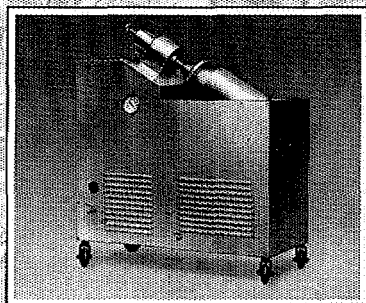
Combined Machine For Cleaning Rubber Stoppers Of Phials. It finds its application in the pharmaceutical industry for producing various injections. While rinsing, sterilizing and drying rubber stoppers, it meets the requirements of the GMP. As a product recommended by the State Bureau of Medicine Administration, it is welcomed by our customers at home and abroad.

HUXI IRON WORKS

ADD:168/185 PINGTANG ROAD SHANGHAI TEL:021-62394624

FAX:021-62394624 P.C:200335

DOUBLE CONE SHAPED ROTARY VACUUM DRYER



Double Cone Shaped Rotary Vacuum Dryer. It meets the requirements of bacteria-free operation in medicine, chemical and food industries and finds its application in refining small and roundish particles, e. g. antibiotics, crystals. In comparison to the conventional vacuum dryer, it raises efficiency by 200-300%.

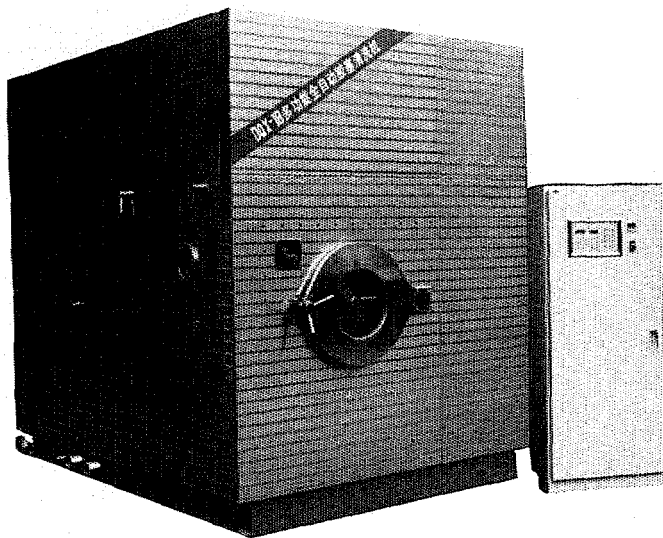
HUXI IRON WORKS

ADD:168/185.PINGTANG ROAD SHANGHAI TEL:021-62394624
FAX:021-62394624 P.C:200335

*MULTIFUNCTIONAL FULLY-AUTOMATIC
ULTRASONIC RUBBER-CORK WASHER*

DQX-1B

PATENT PRODUCT



ZHENJING WENZHOU YAGUANG MACHINERY MANUFACTURING CO., LTD.

Add:99 Canghe Rd.(W).Yongzhong Town.Wenzhou,P.R.CHINA

Tel:0086-0577-6372550 Fax:0086-0577-6373389

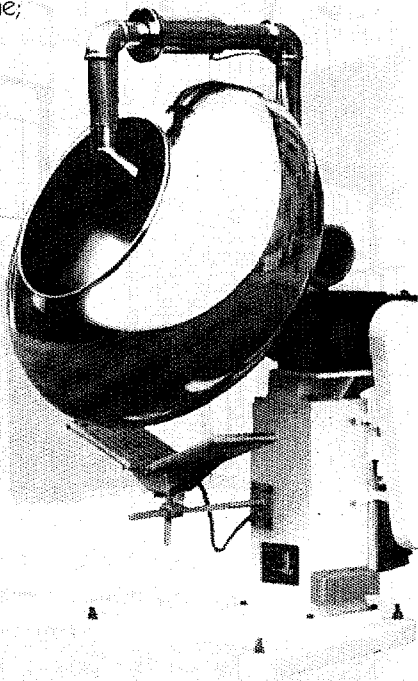
P.C:325024 General Manager:Chen Guo Hua

BAOJI JIAN HUA PHMARMACHINERY CO.LTD

President of board:Chen jin
General manager:Yang yan chun

Products:

TNW stepless varying speed stainless
sugar-coatingmachine;
TN II stainless sugra-coatingmachine;
CPT 8-3 auto-controlled spraying and
sugar-coatingmachine;
BBW1000 film-coating machine;

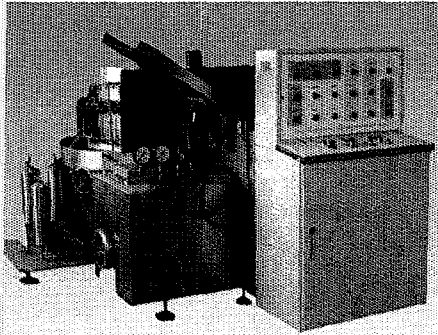


ADD: No.75 jianhua road,baoji,shaanxi
TEL: (0917)3554670 (0917)3553721
FAX: (0917)3554670
PC: 721001



BEIJING TONG-DA HI-TECH COMPANY

The 13th Institute,
China Academy of Launch-Vehicle Technology,
China Aerospace Corp.



③

Beijing Tong -Da Hi-Tech Company is founded on the Launch -Vehicle technology , China Aerospace Corp as its foundation and develops new and high technology

The company develops , manufactures and manages pharmaceutical - machinery , medical apparatus and Petroleum prospecting instrument , computer applications develops and manufactures new products, innovates and train workers, process material for other consumers and are main products:

① YLG-3 Fully Automatic Production Line For Roll-on Caps.

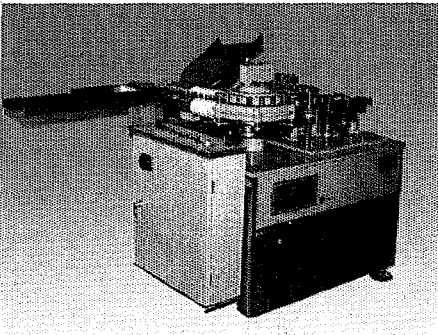
② TQ-3 Full-Automatic Labeler for Antibiotic

③ XP-3 Ultrasonic Cleaning Machine

The machine runs smoothly and reliably in steps bottles/minute in rated. The dirt and filth in the bottle are smashed by high power ultrasonic device . The bottles are and turned over two times automatically.

④ HX-3 Hot air sterilizing tunnels

The heat area temperature can reach 350°C and used to sterilize. The clean degree in tunnels is as high as



⑥

⑤GS-3 fully Automatic volumetric filling machine with sealing mechanism for roll-on caps.

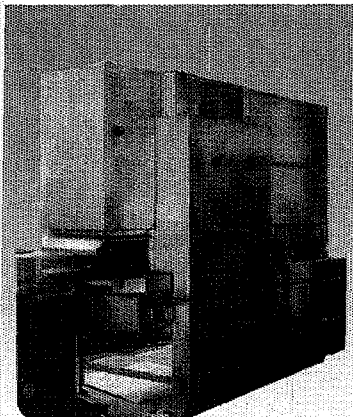
Advanced photo-electricity control and PLC control.

Accurate filling in fixed volume by six pumps.

Sealing the caps are finished by six 3-talon rolling heads.

Stop pouring for absent bottle.

The rated output is 8000 bottles/hour with rate of broken bottle ≤ 2



④

⑥ Full-Automatic Labeler For Oral Liquid Bottle

It is suited to label and print production date and invalid date ampoules and other cylindrical containers with diameters from 10mm min. to 23mm max. and with a cylindrical body height from 22mm min. to 130mm max. It can stop labeling for absent bottle and has a protection set.

Address: No.52 yong-ding road
 Post address: P.O.Box 3913,Beijing,P.R.china
 Telephone: 5405 (Beijing) Post code:100854
 Tel: (8610) 68388768, 68388767
 Fax: (8610) 68388652

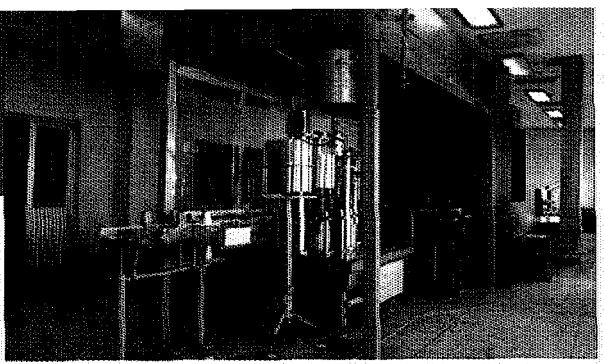
3rd institute, China academy of
 The company takes space technology
 and products.

mechano - electronic products, such as
 instrument, Precision instrument,
 and so on. The company designs,
 transfers technology. The company can
 integrate with other units. The following

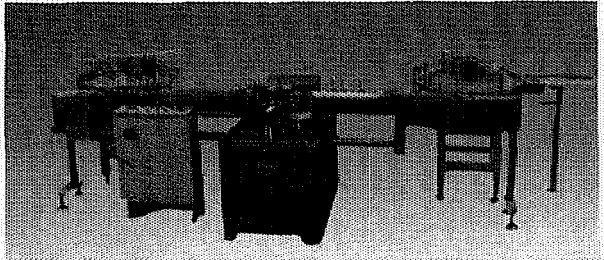
**Filling Oral Liquid Sealing With
 bottles.**

Speed regulating and washes 133
 before the bottles are shaken out and
 poured three times, bled three times

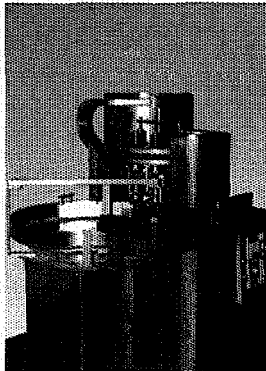
Equal, circulating hot air makes sure
 made.



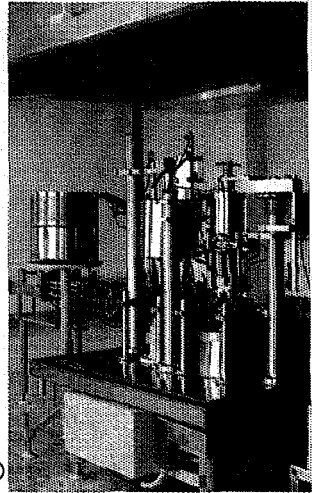
①



②



③



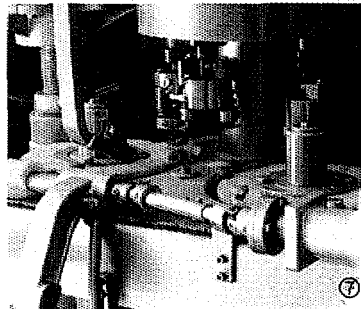
⑤

**⑦ TD fully automatic production line for filling
 lyophilizing biologicals**

This production line consists of the fully automatic volumetric
 filling machine ,rubber plug plugging machine and the sealing
 cap machine. The rated output is 200 bottles/min . Filling
 volume is adjustable from 1 ~ 8ml.

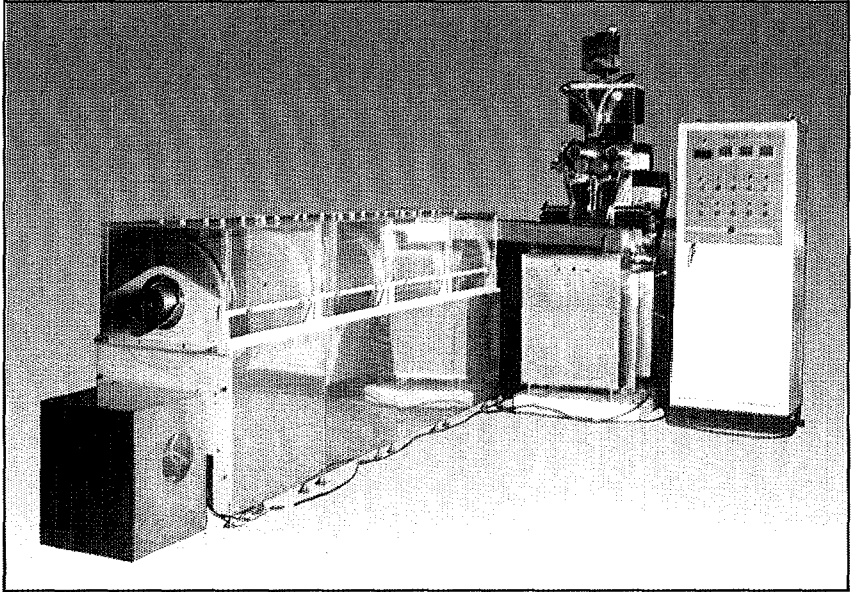
⑧ FX-2 Fully Automatic Screwing Cap Machine

Suitable for tuning theft-proof cap for pharmacy plants,packing
 plants.
 Screwing caps tightly. It is in line with the National Stand..
 Automatic safe protection set.



⑦

The 15th Institute of China Academy of Launch-Vehicle Technology
Beijing Tian Min Hi-Tech Development Co.



RJNJ-2 ROTARY DIE ENCAPSULATOR

We also supply the following equipment:

- BZJ-1000F GRANULATING AND COATING MACHINE
- BZJ-360M GRANULATING AND COATING MACHINE
- DWJ-1 AUTOMATIC SEAMLESS ENCAPSULATOR

Add: Donggaodi, Yongdingmen Wai, Beijing China

P.O.Box: 9200-71 Beijing, China

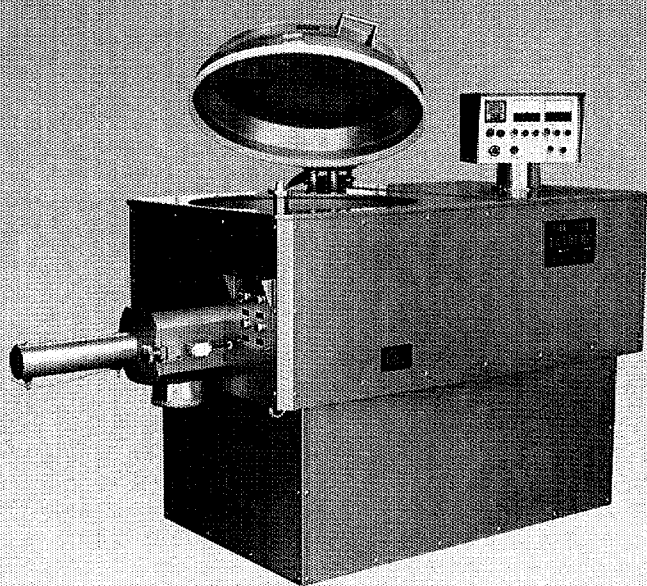
Fax: 86-10-68381851

Tel: 86-10-68382704

Zip: 100076

SHK Series High Speed Mixer/granulator

This is an equipment for tablet production in pharmaceutical industry, which can prepare ideal particle raw material for medicine. The particles produced by this equipment have the advantages of perfect sphericity, good fluency, and are homogeneous. The productivity of the equipment is high and the tablets produced by the equipment have excellent quality, smooth surface, better hardness, crumbliness and liberation ability. The equipment is optimized in design and has fine workmanship, carefully designed interlocking mechanism. In addition it is provided with cleaning function. Production cost can be saved greatly by using this equipment.

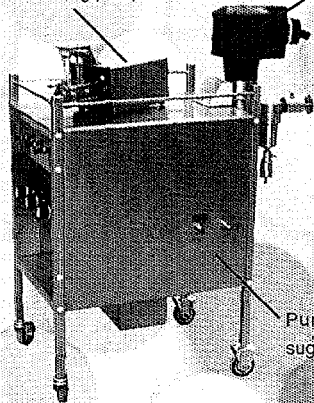


BAMTAI

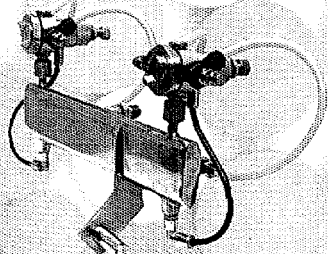
The advanced spraying mist system

Aqueous dosing pump

High pressure airless pump



Pump carriage containing sugar dosing pump



Gun and support

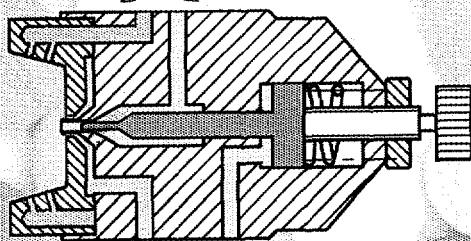
Spraying Gun

The spraying gun is controlled by three individual ways of compressive air: controlled air, adjustable atomization air and adjustable air for blowing atomization liquid into flat shape. The controlled gun is used for controlling the gun switch. When turning off the gun, the pin of the gun protrudes to prevent from the gun blockage.

The interval time between the gun turning off and another gun turning off can be controlled by program or by hand. The adjustable atomization air can control atomization of the medium, the adjustable air for blowing atomization liquid into flat shape can control the size of the atomization sector angle. The spraying gun has thoroughly solved the problem of the gun blockage. The single way air can be individually controlled and adjustable, so the coating mediums with different consistencies, different viscosities and different solvents can gain ideal sector angles and atomization efficiencies.

Adjustable air for blowing the atomization liquid into flat shape

Atomizing solvent



Adjustable atomization air

Controlled air

北京航空工艺研究所

Beijing Aeronautical Manufacturing Technology Research Institute



地址: 北京市朝阳区八里桥北

信箱: 北京市340信箱201部

邮编: 100024

电话: (010) 65797893

传真: (010) 65762306

电子信箱: bamtri @ public 3.bta.net.cn

Location: Baiqiao, Chaoyang District,

Beijing, 100024, P.R. China

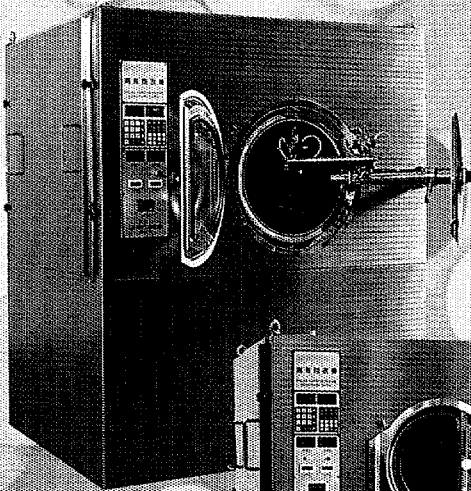
Address: P.O. Box 363 Beijing, P.R. China

Tel: (010) 65797893

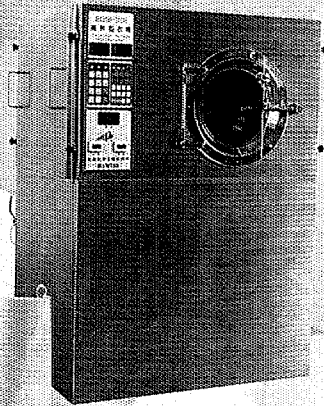
Fax: (010) 65762306

E-mail: bamtri @ public 3.bta.net.cn

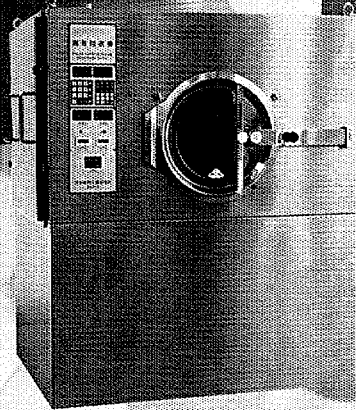
BGB Series High Efficiency Coating Machine



BGB-150



BGB-10



BGB-75

BAMTAI



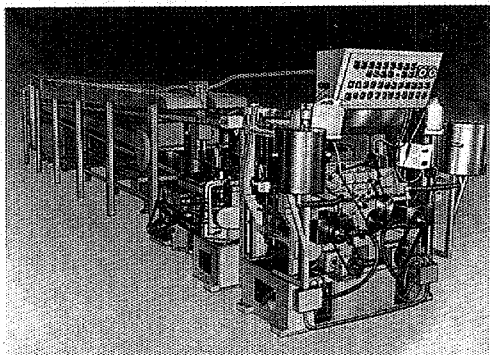
BEIJING HONG HUA ELECTROMECHANICAL NEW TECHNOLOGY COMPANY

Brief Introduction

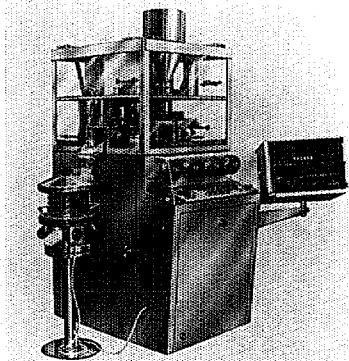
Beijing Hong Hua Electromechanical New Tech. Company is sponsored by 206 Institute of China Aerospace Corporation and has registered in the Beijing New Technology Development and Experimental Zone. The company which combining technology, industry, production and sale together, has the qualification of enterprise legal person.

In recent years, the company had sold 1300 sets of pharmaceutical equipment to 300 factories in 28 provinces of China, including TaiWan, and has exported its equipment to Indonesia, Thailand, Malaysia, the Philippines, the United States, Hungary, and HongKong.

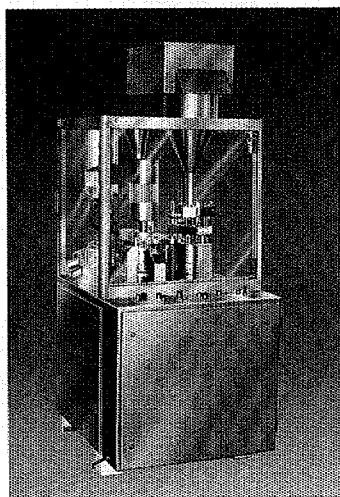
The company has been elected as advanced unit for development of pharmaceutical machine, "50 outstanding enterprise" by the Beijing New Technology Development and Experimental Zone, and has also been honored the title of "AeroSpace Star".



JSZ- III Production Line for Hard Capsule



Series Products of ZTJ-400,
700, 800A Fully Automatic
Capsule Filling Machine



Series Products of GZP-28,
28A, 28B Fully Automatic
High-Speed Tablet Press

Company's name: Beijing Hong Hua Electromechanical New
Technology Company

Address: 50 Yongding Road, Haidian District, Beijing

Postal address: P.O.Box 142-208, Beijing, China

Fax: 010-68386763

Tele: 010-68387242

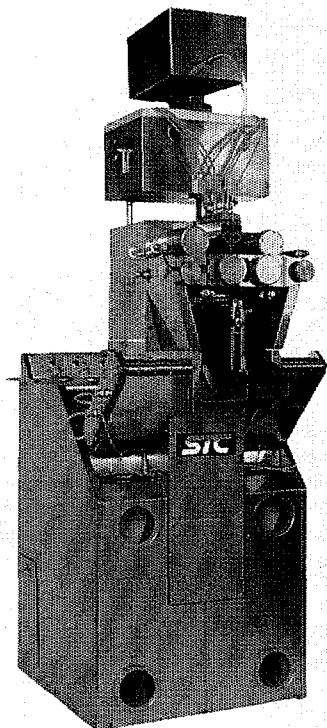
010-68385234

Zip code: 100854



STC®

RG2 - I ENCAPSULATOR

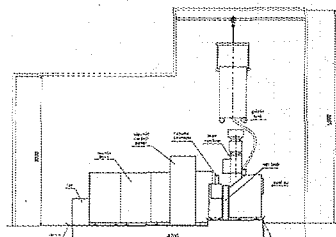


RG2 - I a well designed rotary die encapsulator, with the cooperation of injector, spreading chamber and die to form all kinds of oil and liquid into variform soft capsules in pharmaceutical food and cosmetics fields.

Adopting a frequency inverter to regulate the die rollers steplessly, a special high precision temperature control system. It can accomplish successive capsules producing as the skin mading and forming at the same time. It provides high production efficiency and steady resional quacity to meet GMP standward and reached advanced level in the word.

Main Technical Specifications

Stepless Speed Regulation	0 - 5 r/min
Rated Rotation Speed	3.5 r/min
Die Dimension	$\phi 103 \times 152\text{mm}$
Material Supplied	0 - 2ml
Dosage Filling Tolerance	$\pm 2\%$
Motor	1.1kw 380V 1400r/min
Electric Heater	150W \times 6pc. 220V
Electric Heater Sleeve	55W \times 2pc. 220V
Dimension	750 \times 900 \times 1900mm
Weight	900 (kg)



Shanghai Tianxiang & Chentai Pharmaceutical Machinery Co., Ltd.

Add: 1380 Kang Ding Road, Shanghai, China.

Tel: 021 - 62583414 021 - 62560800

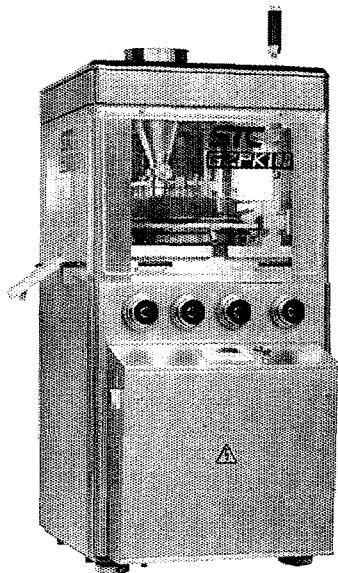
Fax: 021 - 62582067

Cable: 2771

Post Code: 200042



STC[®]



GZPK100

HIGH SPEED ROTARY TABLET PRESS

APPLICATIONS:

This kind of machine can be used not only in pharmaceutical industry but also in chemical, food, electronic, daily necessities, is controlled automatically with computer, etc industry, the machine is designed for pressing tablet from various kinds of granular materials, It can press not only round tablets but also different geometrical shape tablets, Annular tablets. The tablets may have the impressed letter on both sides. We will supply special design for customers.

The design idea and the quality of manufacture, STC company have achieved a new level. The GZPK100 series high-speed rotary table press has adopted the newest technological achievement on mechanism and electricity that results into high producing capacity perfect quality of tablets, accurate weight of tablets, lower waste, meeting GMP standard.

Main Technical Specifications

Model	GZPK138	GZPK132	GZPK126	
Number of stations	38	32	26	
Tool type	IPT19 (EU19)	IPT19 (EU19)	IPT1" (EU1")	
Max. table diameter	mm	13	18	25
Max. depth of fill	mm	18	18	18
Turret speed	r/min	100	100	75
Max. output	tablets/h	228,000	192,000	117,000
Max. operating pressure	KN	80	80	80
Max. pre-pressure	KN	20	20	20
Power	KW	7.5	7.5	7.5
Weight	kg	2300		

Shanghai Tianxiang & Chentai Pharmaceutical Machinery Co., Ltd.

Add: 1380 Kang Ding Road, Shanghai, China.

Tel: 021 - 62583414 021 - 62560800

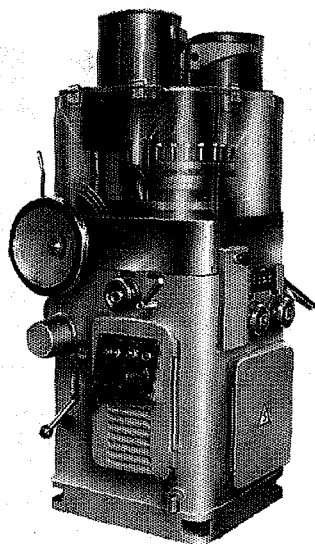
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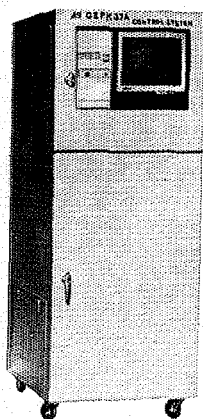
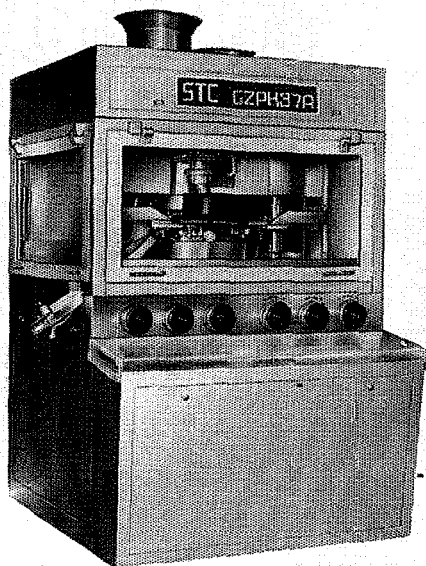
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STC



ZPW21A
ROTARY TABLET PRESS



GZPK37A
HIGH SPEED ROTARY TABLET PRESS

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ZP100 SERIES ROTARY TABLET PRESS

ZP100 Rotary Tablet Press is a serial product widely used for pharmaceutical, food industry to produce all kinds of round tablets and irregular tablets.

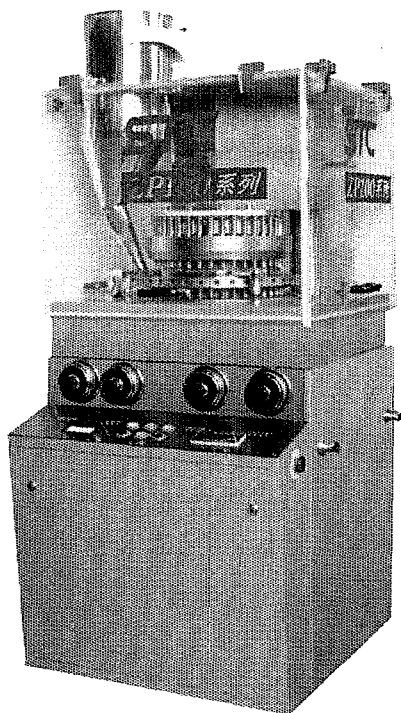
This series meets the GMP standard. Pressing chamber is utterly separated with the gear system. There is no any paint in the chamber. The parts contacting with tablets are made of stainless steel or the surface of those parts are specially handled. The parts are poisonousless and rotten-resistant. The chamber is also sealed with organic glass to prevent pollution.

The gear system, the track and the major friction parts are fully lubricated by the continual and concentrated lubrication device of the ZP100.

Being accordance with it can be equipped with forced feeding device to ensure feeding of powdery material customer's demand.

It's very convenient to observe, operate the pressure, thickness, feeding, speed adjustable hand wheels and all kinds of buttons, indicating lights and indicators are at the same side.

The design of ZP100 series is reasonable. Most of parts are universal in this series. So it's easy to manage and change the spare parts. The punch and dies meet the IPT standard.



Main Technical Specifications

Model	ZPY136	ZPY129	ZPY124	ZPY134
Station	36	29	24	34
Max. Pressure (kN)	80	80	80	80
Max. Depth of Fill (mm)	18	18	18	18
Max. Dia. of Tablet (mm)	13	18	22	13
Production Capacity (ten thousand/hour)	9.7	7.8	6.4	10
Motor (kw)	4			
High (mm)	Without Material Vessel		1,580	
	With Material Vessel		1,800	
Cover Space (mm)	930 x 950			
Weight (kg)	1,400			

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STC®

HLSG250 MIXING GRANULATOR

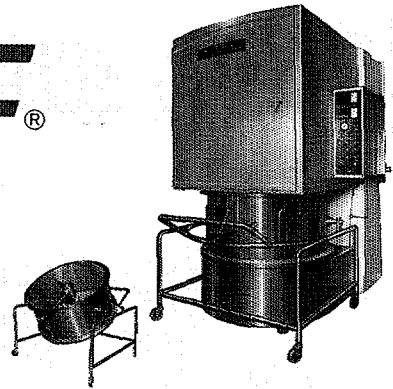
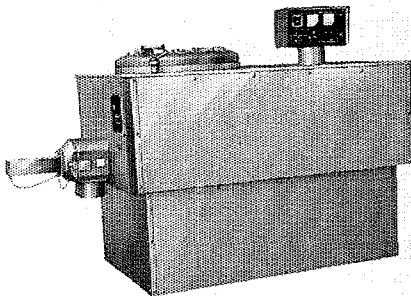
Main Range of Application:

The process of Mixing, Wetting and granulating can be completed in single working period. It is one of the advanced facilities which meets the GMP requirement and has the characteristics of high efficiency, best quality, low consumer, none pollution as well as safety, etc.

- 1) Adopted wholly closed case, all the parts on machine are made of stainless steel.
- 2) The application of the conical barrel. Which the upper mouth is smaller than the lower bottom and the two mixing arm guaranteed the sufficient revolving of material. When the material is sufficiently mixed, the high speed revolving of smash cutter made the material cutted to be even and fine franule
- 3) The Consumption for adhesive is 15 - 20% less than the traditional technology.

Main Technical Specifications

Bowl Volume	250 L
Working Volume	220 L
Batch Size - Wet mas	100 kg
Time per batch	8 - 10 min
Mixing Power	11/14 kw
Mixing Speed	180/270 r/min
Chopper Power	4.5/5.5 kw
Chopper Speed	1500/3000 r/min
Granule Size	20 - 80 mesh
Working Air Pressure	0.5Mpa
Dimension	2272 x 1050 x 1515 mm
Net weight	1200 kg



GFG80 120 EFFICIENT BOILING DRYER

This dryer is composed of dryer air filter, air heater, draught fan, and automatic temperature controller.

Its distinguishing features are: high drying speed and uniform temperature; hermetic and un-polluted draught after being filtered; and simple operation and easy cleaning. It is therefore, an advanced drying equipment conforming to G. M. P. requirements.

Main Technical Specifications

Item	Type	GFG120	GFG80
Productivity		120 Kg	60 Kg
Drying Intake Temperature		50 - 100°C	
Compressed Air Pressure		≥ 0.4Mpa	
Draught Fan Volume		3400 m ³ /hr	
Draught Fan Power		11 Kw 380V	
Mixer Motor Power		0.55Kw 380V	
Filter - Bag Vibration Motor Power		0.12Kw 380V	
Mixer Rotating Speed		11 rpm	
Heater	Steam	≥ 0.4mPa	
	Pressure		
	Consumption	160 Kg/h	
	Electricity	40 Kw 380V	30Kw 380V
Overall Dimensions		3020 x 1600 x 2950	2735 x 1390 x 2395
Weight		1750 Kg	1200 Kg

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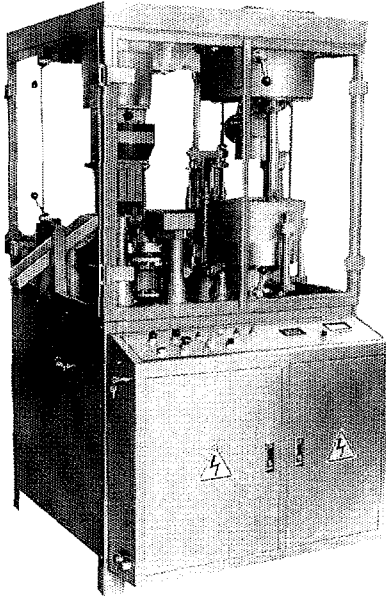
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Post Code: 200042



STC[®]

NJA 330
NJP1000 AUTOMATIC CAPSULE FILING MACHINE



It is designed with automatic intermittent rotating motion. every cycle of motion there are 8 times of dwell during which the various operation (feeding, opening, filling, faulty capsule ejection, closing, full capsule ejection, and moulds cleaning) take contemporarily place.

It suits to fill chinese and western medicines and the filling dosage can be adjusted correctly.

It is equipped with A. C frequency converter and LCD.

The work domain of the machine is sealed with transparent polymethyl methacrylate. The parts contact the capsules and medicines are made of stainless steel.

It is an ideal equipment for all pharmaceutical factories to produce hard capsules.

Main Technical Specifications

Model	NJA330	NJP1000
Output	20000n/h	60000n/h
Suitable Capsule	No 0, 1, 2, 3, 4	
Capacity Difference	± 5%	
Main Power	1. 28kw	4. 05kw
Dimensions (w × D × H)	1015 × 1000 × 1850	1270 × 1060 × 1960
Weight	1000kg	1500kg
Appendix	Vacuum Pump	XD - 040 1. 1kw 30m ³ /h 0. 4 ~ 0. 6MPa
	Vacuum cleaner	XCJ 36 1. 1kw

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ZP35A ROTARY TABLET PRESS

Application:

This machine is a double-press type, continuous automatic tablet press for pressing granular raw materials into tablets. It is mainly used in pharmaceutical industry and also the chemical, food, electronic industries.

Characteristics:

The outside part of the machine is fully-enclosed. The material of the cover and the inside table face is stainless steel. The turret face is specially disposed keeping the lustre of the face and prevent the cross pollution, meeting the G. M. P. requirement

It has transparent windows so that press condition can be observed clearly and the window can be opened cleaning and maintenance is easier.

The lay-out of all the controllers and the operate parts is reasonable.

The speed adjustment of the driver is controlled by the frequency conversion device.

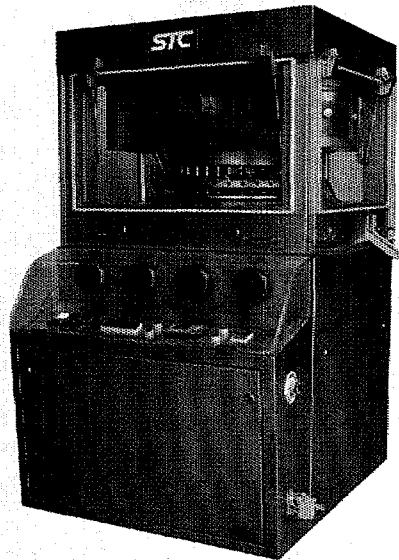
All the drive devices are located inside the machine so keep the machine clean.

The hydraulic system can assure the stable of the system.

A overload protection unit is included in the system to avoid the damage of the punches and apparatus, when overload occurs, the machine stops automatically.

This machine also has electronic magic driver and other safety protection device which can be adjusted and operated when running.

The punches and dies are also applicabel to Model ZP19 ZP33 ZP33B and ZP35.



Main Technical Specifications

Dies	35sets
Max. Pressure	60KN
Max. Dia. of Tablet	13mm
Max. Depth of fill	15mm
Max. Thickness of Tablet	6mm
Turret Speed	14 - 36r/min
Production Capacity	150000 pc/h
Motor	3KW960r/min/380/50v/hz
Overall Size	910 x 1120 x 1650mm
Net Weight	2300kg

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TO MEET

The Brief

Shanghai Tianxiang & Chentai

Shanghai Tianxiang & Chentai Pharmaceutical Machinery Co., Ltd. is a joint venture between Shanghai No. 1 Pharmaceutical Machinery Factory belonging to Shanghai Light Industry Machine Inc. and Singapore Chentai Machinery Co. Ltd. The registered capital is five million one hundred eighty thousand U. S. dollar. The total investment is nine million fifty-eight thousand U. S. dollar.

Our company is specialized in producing pharmaceutical machinery equipment and relevant chemical machinery equipment not only in pharmaceutical industry but also in chemical, food, electronic, battery, metallurgical industry. The trade mark "天祥" "STC" are generally famous brand both home and abroad. Up to now the company has long history of 60 years and become one of the biggest profession enterprises in China. Our products cover twenty-nine provinces of China, thousands of customers and have good reputation in the market. The products have been exporting since 1950's, selling well in South Asia and opening American and European Market. The company is the best enterprise making foreign currency among the same industry.

The company has had more than 30 kinds of products and has developed a series of new products, such as ZP35A, GZPK37A ROTARY TABLET PRESS, GZPK100 SERIES TABLET PRESS, ZP100 SERIES TABLET PRESS, DPP205 BLISTER PACKING MACHIN

Series No.	Process of Craft	Available Equipment	Series No.	Process of Craft	Available Equipment
1	Pulverizer	GF300 Efficient universal pulverizer	3	Mixer Machine & Granulator	ZL250A Rotary granulator
		GF300A Efficient universal pulverizer			HLSG250 Mixing granulator
		GF300A2 Efficient universal pulverizer			HLY10 Mixing granulator
		SGF130A High-speed pulverizer			HLY100 Mixing granulator
		DF20 Efficient universal pulverizer			HLY200 Mixing granulator
2	Vibrating Screens	XZS400 Vibrating screens	4	Drier	GFG80 Efficient boiling dryer
		XZS500 Vibrating screens			GFG120 Efficient boiling dryer
		XZS800 Vibrating screens	5	Granulate Regulator	ZLY140 Rotary granulator
3	Mixer Machine & Granulator	CH10 Trough type mixing machine	6	V-type Mixer	ZLY180 Rotary granulator
		CH50 Trough type mixing machine			0.05M-3MV Mixer
		CH150 Trough type mixing machine	7	Tablet Press	Vacuum feeding device of v-type mixer
		CH150A Trough type mixing machine			GZPK37A High speed rotary tablet press
		CH200 Trough type mixing machine			GZPK100 High speed rotary tablet press
		CH200A Trough type mixing machine			ZP100 Series rotary tablet press
		LYK60 Oscillating granulator			ZP35A Rotary tablet press
		LYK160 Oscillating granulator			ZP35 Rotary tablet press
		ZL250 Rotary granulator			ZPW21A Rotary tablet press
		YK160A Oscillating granulator			ZPW21 Rotary tablet press

OUR DEMAND OF PRESENT AND FUTURE

Introduction

of
Pharmaceutical Machinery Co., Ltd.

HLSG250 MIXING GRANULATOR, BGC1000 FILM COATING MACHINE, Now the company have had ability to produce completely line in solid medicine line from pulverizing, screening, mixing, granulating, drying, mixing, pressing to film coating, or sugar coating, packing.

In 1997 the company is the first enterprise passed examination of ISO9001, meanwhile, it is also confirmed as an advanced technology enterprise and a model enterprise praised by Shanghai municipal administration using CAD.

By the spirit of "Unity and Struggle, Striving for perfection, Pioneering. Spirit, writing the new history", we welcome all the customers, business partners to visit our company.

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Zip: 200042

Tel: 021-62560800 62583414

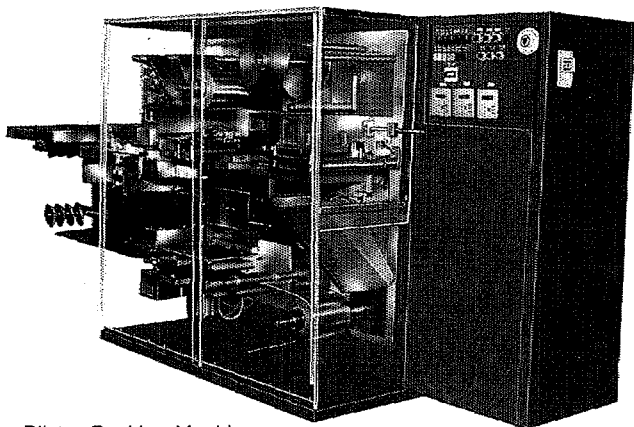
Fax: 021-62582067 62583648

Manager: Mr. Ma Ling Geng Mr. Yan Guo Jing

Process Craft	Available Equipment	Series No.	Process of Craft	Available Equipment
Tablet press	ZPY15 Rotary tablet press	9	Coating Machine	BGC1000 High efficient film coating machine
	ZP15 Rotary tablet press			BYG1000/800/400 High efficient film coating machine
	ZP25 Rotary tablet press		Packing Machine	DPT140 Roller blister type packing machine
	ZP33B Rotary tablet press			DPH140 Roller blister type packing machine
	ZP33 Rotary tablet press			DPP250 Plate blister packing machine
	ZP19 Rotary tablet press			DPP200 Plate blister packing machine
	THP Flower basket type tablet press			DPP140 Plate blister packing machine
	TDP Single punch tablet press			DPP100 Plate blister packing machine
Capsule	CBN20 Semi-automatic capsule filling machine	10	Packing Machine	DPP205 Plate blister packing machine
	NSA330 Automatic capsule filling machine			DLB240 Twin-foil packing machine
	YDL60 Capsule printer			DLB120 Twin-foil packing machine
	NJP1000 Automatic capsule filling machine			SP Capsule and tablet counting machine
Sifter & shaker	ZWS137 Horizontal rotary tablet sifter	11	Encapsulator	FSZ Filling paper machine
	ZS100 Round brush tablet sifter			FXG Lids turner
	MJP2 Capsules tablets polisher			FR Allfoil sealer
Coating machine	BY300/400 Sugarcoating machine	11	Encapsulator	DCF200 Pellets filling and packing machine
	BQ1000/800 Sugarcoating machine			DCF200 Powder filling and packing machine
				RG2-I Soft capsule encapsulating machine



STC®



DPP205 Plate Blister Packing Machine

Application:

This machine is used to pack all kinds of tablets, sugar-coated tablets and capsule etc, with PVC and aluminium material in pharmaceutical, food industries.

Characteristics:

This machine adopted advanced technique, owns compact structure, reliable function, highlevel quality.

Shaping, sealing, batch number printing, transferring, indenting, cutting, etc, are controlled by intensive position transducer and programmable controller, so that positioning is accurate.

It has overload protection of the motors and overtemperature protection function. The emergency brake in case of lacking materials are controlled by elstopneumatic control, and the mechanism will stop at a fixed and safe posi-

tion which will ensure the machine keeping the best condition.

The jog-run function will facilitate the adjustment and the testment.

The plastic blister formed by compressed air, so the wall-thickness of the blister is uniform and the surface is smooth.

The die can be made according to various customer's requirement.

This machine is driven by mechanical infinitely variable-speed driver, so action is reliable and accurate, operation isimple.

Pneumatic system is smoothed by no mist lubrication.

Various feeding structure can be provided and matched with the main part to suit various medicine to be packed.

Main Technical Specifications

Packing Speed	20 - 50 1/min
Max. Forming Area	190 × 98mm
Blister Depth	1 - 12mm
Max. Power	5kw
Overall Size	3000 × 1030 × 1420mm
Weight	1000kg

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**BRIEF INTRODUCTION
OF
SHANGHAI YUAN DONG PHARMACEUTICAL
MACHINERY GENERAL FACTORY**

Being a professional equipment manufacturer for the pharmaceutical industry in China, this factory is provided with a strict production control and tight quality assurance system. It also holds the State-issued "Design Certificate for Pressure Vessel", "Production Certificate for Grade 1 & Grade 2 Pressure Vessel" and "Design & Production Certificate for Enamel & Glass Reaction Tank."

With the strong technical force and consummate experience about pharmaceutical machinery fabrication, this factory can manufacture the equipment for the injection, tablet, powder, medicinal material, chemical and water processing. The products of this factory are of 8 categories and over 100 specifications such as the medicinal packing machine, medicinal crushing machine, liquid filling machine, solid preparation machine, antibiotic separate packager, vacuum freeze drier, water distillator, water processor with ultrafiltration membrane, chemical equipment for medicinal material and customized equipment. This factory enjoys a high reputation because of its reliable product quality.

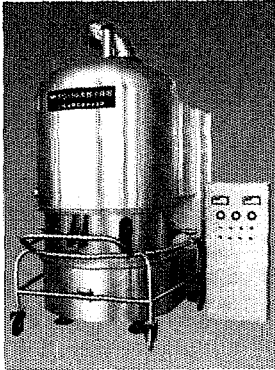
Factory

Add: 777, JinYe Road, Jiaqiao Industrial
Park, Shanghai, China.
P.Code: 201206
Fax: 86-21-58991994
T e l: 58995186(to different extensions)
58991992(direct line)

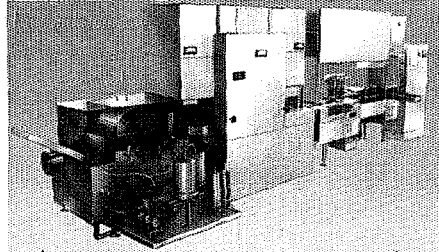
Sales Department

Add: 359, Kang Ding Road, Shanghai,
China
P.Code: 200040
Fax: 86-21-62564739
T e l: 62170175, 62580660

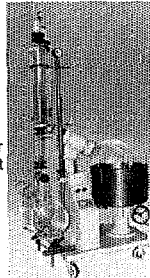
**SHANGHAI YUAN DONG
PHARMACEUTICAL MACHINERY GENERAL FACTORY**



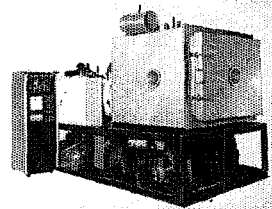
FG150 Fluid-Bed Drier



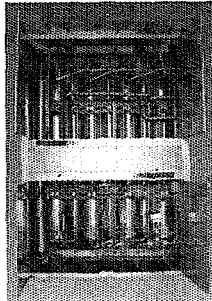
ACSD1-20 Ampoule Washing, Drying, Filling & Sealing Combine



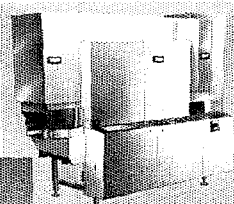
SXZ20, SXZ50 Rotary Evaporator



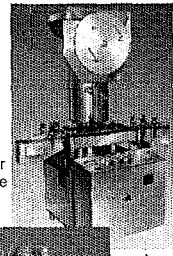
GZL Series Vacuum Freeze Drier



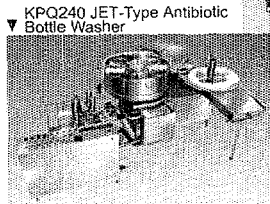
LD Tubular Multi-Effect Water Distillator



KG120 Microprocessor Screw Separate Loader

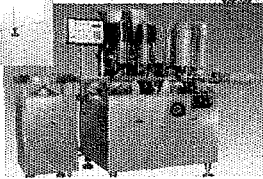


KG300 Rolling Copper

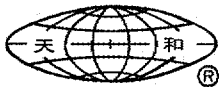


KPQ240 JET-Type Antibiotic Bottle Washer

KMZ600/35 Tunnel-Type Penicillin Bottle Sterilizing Drier



PHARMACEUTICAL MACHINERY GENERAL FACTORY



Shanghai Tian he Pharm Aceutical Machinery Factory



Director:zhao zhi neng

Shanghai Tianhe Pharmacy Machinery Factory

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Tel: 86-021-59431285

Fax: 86-021-59432024

Business Dept. Address: Room 706,31

Hangfeng Lu,

Shanghai

Tel: 86-021-63811920 63813712

Zip code:200070

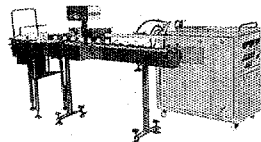


General Introduction, Shanghai Tianhe Pharmaceutical Machinery Factory (hereinafter named as STPMF) being of national pharmaceutical machinery industry association and of Shanghai medicine industry association, is formed by reorganizing the former Shanghai No.1 pharmaceutical machinery factory being of Shanghai light industry machinery stock company except its joint venture.

STPMF is not only the largest professional factory producing tablet press equipment, but also most rapidly develops new products of tablet press equipment. All tasks from casting to metal machining, and general assembly are accomplished by itself. ZP 37 tablet press, SLB high speed auto. Alfoil packing machine and PZ10/55 table bottling machine etc. all meet GMP requirement, which are on behalf of tablet press product developing direction and win honour certificates for Shanghai excellent science technology products. It has many service offices located in every province and city of our country. Every customer used TIANHE products can enjoy the best service after sale.

STPMF has obtained customer's trust and satisfaction depending of its good quality, complete varieties, good service and cheap price. It has a technology troop with international level and rich experience in manufacturing tablet press equipment. STPMF kindly provides excellent services for the customers all over the world, and welcomes to make business.

DGF Electromagnetic Induction Sealing Machine with Composite Aluminium-foil



1. Application: The machine is used for sealing the plastic and the glass bottle full of medicine, food, cosmetics and chemical products, efficiently to prevent them from overflowing when being squeezed and getting damp.

2. Features:

2.1 Heating by the process of contactless electromagnetic induction is adopted for the machine, to have the aluminium-foil on the bottle-rim generate heat and then melt on the bottle-rim, and the sealing will be realized.

2.2 The sealing rate of the machine is 100%. Even if the remainder on the bottle-rim, the bottled products can not be affected.

2.3 Auto. counting display and auto. detecting unit for taking-off the bottle-over without aluminium-foil are used to assure the pass percentage 100%.

2.4 It is easy for the machine to be installed and operated. Its running is stable and without noise. When replacing the bottle (different sizes), it is easy to adjust the machine.

2.5 The electromagnetic radiation strength is up to Class I standard of state safety zone without injuring human body.

3. Main Technical Data:

3.1 Working capacity: 40~90 bottles per min.

3.2 Bottle sizes: Height 52~150mm (it can be more when specially required) Dia. of bottle mouth 25~70mm (it can be more when specially required)

3.3 The time of induction heating: 5~15 sec.

3.4 The total power of the machine: Type DGF-1~2kw single-phase 220V/15A Type DGF-2~3kw single-phase 220V/20A

Type DGF-3~4kw 3-phase 220V/380V/15A (the power can be increased to 5~20kw when specially required)

3.5 Induction heating frequency: about 400KHz

3.6 The weight of a complete set of the machine: about 265kg (bottle transmitting unit=60kg, bottle arranging unit=35kg, induction generator=180kg)

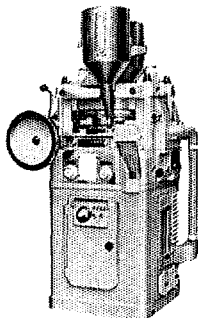
3.7 Overall dimension, transmitting unit: 1600×700×1500mm arranging unit: 820×500×900mm induction generator: 1000×600×1100mm



Shanghai Tian he PharmAceutical Machinery Factory

Address: Chengjia Town, Chongming County, Shanghai
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 Business Dept. Address: Room 706.31 Hengfeng Lu, Shanghai
 Tel: 86-021-63811920 63813712
 Zip code: 200070

ZP33 ROTARY TABLET PRESS

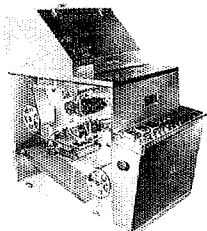


This machine is designed for pressing round tablets from various kinds of granular materials. It is primary machine to fit batch production of tablets. The mechanism of the machine belongs to double-press type. It consists of two sets of feed assemblage and press-roller unit. The turret carries 33 sets of punches and dies, so 66 tablets will be pressed for each revolution of the turret. During operation, the speed of the turret rotation, the depth of the filling material and the thickness of the tablets can be adjusted. The mechanical buffer unit will prevent punches and apparatus from overload damage. A powder suction unit is attached to take in the residual powder during the operation, so that the blockage by the residual powder material can be reused. This machine has won the Fine Quality Product Prize awarded by China National Medical Management Bureau.

Main Technical Specifications:

Dies	33 sets
Max. Pressure	40kN
Max. Dia of Tablet	12mm
Max. Depth of Fill	15mm
Max. Thickness of Tablet	6mm
Turret Speed	11-28r/min
Production Capacity	43,000-110,000pc/h
Motor	2.2KW960r/min380/50V/Hz
Overall Size	930 × 900 × 1600mm
Net Weight	850kg

SLB HIGH SPEED AUTOMATIC ALUMINIUM FILM PACKING MACHINE



This machine is a high behaviour, high efficient and high speed packing device. The operation and the maintenance are easy, exchanging model wheel is simple and it is suitable to high output and various products. It has new devices of conveying and filling materials, and automatic electric high in this case, it can pack in high speed by adjusting slow and fast conveying materials. Characteristics:

It has good structure, operation is easy, has no noises and good behaviours.

With imported frequency conversion device, heating sealing speed can be adjusted with no step so that installation can be carried out at low speed, production can be carried out at high speed, and raw materials can be saved.

It is automatically controlled, packing is accurate and beautiful.

Based on packing demand, cutting products packing of different sizes can be adjusted.

It needs no hands during working, and meets the G.M.P. requirement.

Use of aluminium film paper is suitable to pactabets, capsules and all kinds of blocks.

The volume is small, the capacity is high and it has many functions.

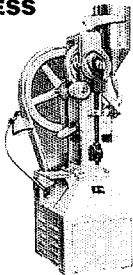
Conveying materials, filling, sealing, cutting are all automatically operated and with cooling wind pipe.

It is air pressure type cutting, stable and noiseless.

Main Technical Specifications:

Model	SQY-APM-A	SQY-APM-B	SQY-APM-C
Capacity	400-600pcs/min(4line)	600-1200pcs/min(6line)	800-1600pcs/min(8line)
Max. Wrapping Width	160mm	180mm	280mm
Motor power	0.4kw	0.4kw	0.4kw
Heater power	3kw	3kw	3kw
No. of cutting	1-5package	1-5package	1-5package
Machine size	840 × 1050 × 1640(mm)	840 × 1350 × 1640(mm)	940 × 1450 × 1640(mm)
Packing size	950 × 1200 × 1680(mm)	100 × 1700 × 1900(mm)	1050 × 1800 × 1900(mm)
Net weight	370kg	430kg	510kg
Gross weight	430kg	510kg	650kg

THP THP-1 THP-2 FLOWER BASKET TYPE TABLET PRESS



This machine is a medium continuous automatic tablet press which is one of the essential equipments for pressing granular raw materials into tablets or medicines taken with water in pharmaceutical, chemical, food, electronics industries. It can be used to press medicinal tablets, catalysts, candies, calcium tablets, coffee pills, powder metallurgical parts electronics components, various tablets of pesticide and fertilizer etc. in small-batch production, laboratory and hospital. The machine can press special-shaped ringlike tablets of different kinds, and can also process the tablets of pesticide both sides are impressed trademarks, letters and simple patterns.

Main Technical Specifications:

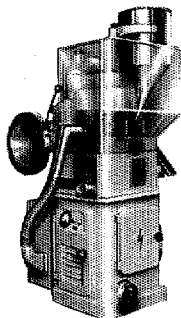
THP	THP-1	THP-2
40kn	100kn	100kn
30mm	40mm	50mm
25mm	45mm	45mm
22mm	35mm	35mm
5.10mm	6-14mm	6-14mm
25mm	45mm	45mm
34.50pcs/min	35.46pcs/min	46pcs/min
1.1kw	3.7kw	5.5kw
685 × 565 × 1610(mm)	666 × 860 × 1824mm	666 × 860 × 1824mm
520kg	750kg	770kg



Shanghai Tian he PharmAceutical Machinery Factory

Address: Chengjia Town, Chongming County, Shanghai
 Tel: 86-021-59431285 Fax: 86-021-59432024
 Business Dept. Address: Room 706,31 Hengfeng Lu, Shanghai
 Tel: 86-021-63811920 63813712
 Zip code: 200070

ZP19 ROTARY TABLET PRESS



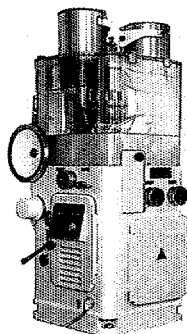
This machine is suitable for pressing round tablets from various kinds of granular materials, specially for small-scale batch production. The turret carries 19 sets of punches and dies, so 19 tablets will be pressed for each revolution of the turret. During operation, the speed of the turret rotation, the depth of the filling material and the thickness of the tablets can be adjusted. The mechanical buffer unit will prevent punches and apparatus from overload damage. A powder suction unit is attached to take in the residual powder during operation, so that the blockage by the residual powder can be eliminated and the collected powder material can be reused.

This machine has won the Fine Quality Product Prize awarded by China National Medical Management Bureau.

MAIN TECHNICAL SPECIFICATION:

Dies	19sets
Max.Pressure	40KN
Max.Dia.of Tablet	12mm
Max.Depth of Fill	15mm
Max.Thickness of Tablet	6mm
Turret Speed	20-40r/min
Production Capacity	25,000-45,000pc/h
Motor	2.2kw960r/min380/50V/Hz
Overall Size	880 × 750 × 1600mm
Net Weight	560kg

ZPW21A ROTARY TABLET PRESS

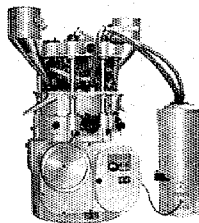


This machine is designed for pressing tablets from various kinds of granular materials. As its feature, the machine can press not only round tablets but also different geometrical shape tablets, double-layered and annular tablets, the tablets may have the impressed letters on both sides. The turret carries 21 sets of movable-punches and dies, so 21 tablets will be pressed for each revolution of the turret. During operation, the speed of the turret rotation, the depth of the filling material and the thickness of the tablets can be adjusted. The pressure for tablet pressing is set by the hydraulic drive system, a pressure gauge is attached to the system to show the pressure for tablet pressing is set by the hydraulic drive system, a pressure gauge is attached to the system to show the pressure value. A overload protection unit is included in the system to avoid the damage of the punches and apparatus. When overload occurs, the machine stops automatically. A independent powder suction unit is attached to the machine. It takes in the residual powder through its nozzles and hoses during operation. So that the blockage by clustered powder and residue can be eliminated and collected powder material can be reused. This machine is developed recently in 1980's by our factory. Output sells abroad.

Main Technical Specifications:

Dies	21sets
Max.Pressure	80KN
Max.Dia.of Tablet	20mm
Max.Depth of Fill	18mm
Max.Thickness of Tablet	9mm
Turret Speed	12-36r/min
Production Capacity	15,000-45,000pc/h
Motor	3KW1440r/min380/50V/Hz
Over all Size	900 × 840 × 1640mm
Net Weight	1,200kg

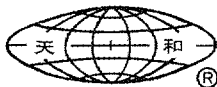
ZP25 ROTARY TABLET PRESS



This machine is designed for pressing tablets from various kinds of granular materials. Besides round tablets the machine can press the tablets in different geometrical shape and impressed letters on both sides of the tables. The mechanism of the machine belongs to double-press type, including two sets of feed assemblage and press-roller unit. The turret carries 25 sets of movable-punches and dies, so 50 tablets are produced by each revolution of the turret rotation. When round tablets are pressed, there are four sets of punches and dies to choose: 1-tablet mode of punch and die through 4-tablet mode of punch and die. The choice is dependent on the diameters of the tablets. So this machine is more suitable for mass production. When operated, the speed of the turret rotation, the depth of the filling material and the thickness of tablets are adjustable. A independent suction unit is attached to the machine. The residual powder during operation can be taken in by this suction unit through its nozzles and hoses. Thus the blockage by clustered powder is eliminated and the collected powder material can be reused.

Main Technical Specifications:

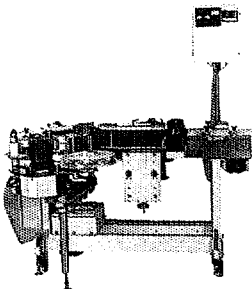
Dies	25 sets	Production Capacity:
Max.Pressure	60KN	1-tablet punch and die set
Max.Dia.of Tablet	20mm	18,000- 30,000pc/h(up to 20mm Dia.)
Max.Depth of Fill	15mm	2-tablet punch and die set
Max.Thickness of Tablet	9mm	36,000-60,000pc/h(up to 12mm Dia.)
Turret Speed	6-10r/min	3-tablet punch and die set
Motor	3KW950r/min380/50V/Hz	54,000-90,000pc/h(up to 9mm Dia.)
Overall Size	1100 × 1100 × 1700mm	4-tablet punch and die set
Net Weight	1,800kg	72,000-120,000pc/h(up to 6mm Dia.)



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 Tel: 86-021-63811920 63813712
 Zip code: 200070

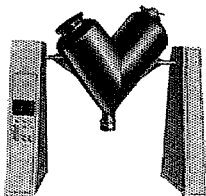
LT1400 Vertical Labelling Machine



Main Technical Specifications:

1. Speed of conveyer belt: 7.5M/min
2. Range of labelling: $(\phi 20\text{mm} \sim \phi 70\text{mm full circumference}) \sim \phi 150\text{mm}$
3. Range of working table's height: (750-830)mm
4. Adjusting range of electric elevator: (0-100)mm
5. Adjusting range of webbing apparatus: (0-100)mm
6. Width of conveyer belt: 190mm
7. Specification: $L \times B \times H \quad 1.4\text{m} \times 1.2\text{m} \times 1.5\text{m}$
8. Voltage, power: 220v, 250w
9. Labelling precision: $\pm 0.3\text{mm}$ (left-right direction) $\pm 0.8\text{mm}$ (turning direction)
10. Working ability: 15-200 bottles/min
11. Label: special webbing sticker
12. External diameter of webbing sticker: 300mm (near 240mm long)
13. Internal diameter of reel: 76mm

V-TYPE EFFICIENT MIXER



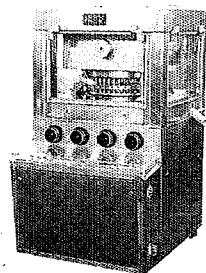
V-TYPE EFFICIENT MIXER This Mixer has the following distinguishing features, no blind angle in the cylinders, no accumulation of materials, high speed, and short mixing time. With the body made of stainless steel and both inner and outer walls polished, the cylinders have elegant appearance. The charging of materials can be made either by manual operation or through vacuum suction. For discharging, rotating valves and rapid swivel heads are adopted.

This Mixer is applicable for mixing powdery or granular materials in pharmaceutical and other industries. It consists of two v-type cylinders of different altitudes, and through mechanical transmission the materials in these cylinders are made to move back and forth and turn over again and again, thereby achieving the goal of uniform mixing.

Main Technical Specifications:

Specification	Capacity(kg)	Power(kw)	Overall dimension(mm)	Net Weight(kg)
0.05m ³	12.5	0.37	1150 × 500 × 1200	200
0.15m ³	37.5	0.8	1600 × 1100 × 1700	250
0.3m ³	75	1.5	2100 × 1600 × 2400	480
0.5m ³	125	1.5	2200 × 2000 × 2700	500
1m ³	250	2.2	3100 × 2300 × 3100	700
1.5m ³	375	3	3300 × 2600 × 3550	900
3m ³	750	4	4200 × 2700 × 3600	1100

ZP37 ROTARY TABLET PRESS



It is mainly used in pharmaceutical industry and also the chemical, food, electronic industries, for pressing various granular raw materials into special shaped, annular, and double-side marked tablets etc.

Characteristics:

The machine is a double-press type, continuous automatic tablet press for pressing granular raw materials into tablets.

The outside part of the machine is fully enclosed. The material of the cover and the inside table face is stainless steel. The turret face is specially disposed keeping the lustre of the face and prevent the cross pollution, meeting the G.M.P. requirement.

The speed adjustment of the driver is controlled by the frequency conversion device.

It has transparent windows so that press condition can be observed clearly and the window can be opened cleaning and maintenance is easier.

The lay-out of all the controllers and the operate parts is reasonable.

A overload protection unit is included in the system to avoid the damage of the punches and apparatus, when overload occurs, the machine stops automatically.

The hydraulic system can assure the stability of the system.

The punches and dies are also applicable to ZP19, ZP33, ZP33B, and ZP35 type.

Main Technical Specifications:

Dies	37sets
Max. Pressure	80KN
Max. Dia of tablet	13mm (normal table)
Max. Depth of fill	46mm (special shape long table)
Max. Thickness of tablet	15mm
Turret speed	6mm
Max. Capacity	12-40r/min
Motor	17000pcs/h
Overall size	4kw, 1030r/min, 380v/50Hz
Net weight	1170 × 1150 × 1750mm
	2300kg

Company brief:

Yong he machinery CO.LTD is the member of China medicine equipment union. Our company is an important enterprise which is engaged in designing and manufacturing wrapping machines and medicine machines. We have strong technology power and enough equipment. The technology of productions is advanced, the construction is reasonable and we have met the normal requirement of GMP medicine producing.

Our company is located in Haimen city jiangsu province. The distance between Shanghai and our company is only 60 kilometres. The traffic is convenient and surroundings is beautiful. The company holds the land of 22650 square meters. Main products: (1) Vials power filling and wrapping production line (2) Vials liquid (frozen biological products) filling production line (3) easy-opening cap (steal-protecting cover) oral liquid production line. Meanwhile we can design and manufacture abnormal products for customers. The quality of products is credible and the price is reasonable. Our good service behind selling is also praised by customers.

Our company would like to cooperate and develop with customers home and abroad.

Legal representative: Yu yong-ping
Add: Haimen cotton plant Jiangsu province
(North of haimen 'nاربour)

P.C.: 226114

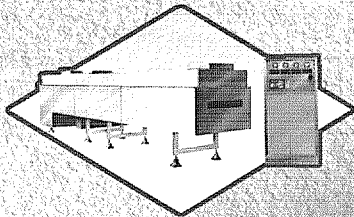
Tel: (0513)-2292008, 2292308

Fax: (0513)-2292308

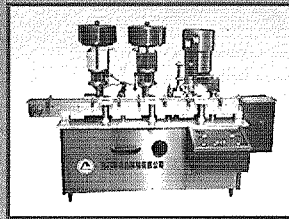
Handy phone:

(0513)-9622697

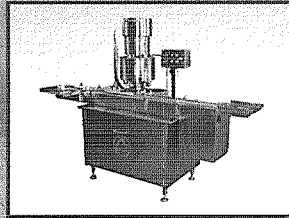
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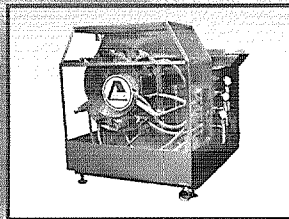
Model MSH-800 High Temperature Sterilizing Tunnel



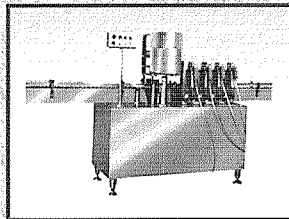
ZFJ-120 Straight Line Power Metering and Filling Machine for Vials



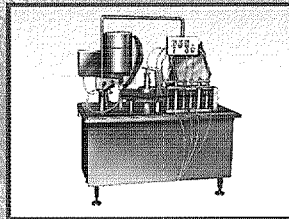
Model FGL Multiple Function Capping Machine



CXP-5-10 Lying Supersovndwave Bottle Cleaning Machine



GCS Series Linear Frozen Product Liquid Filling Machine



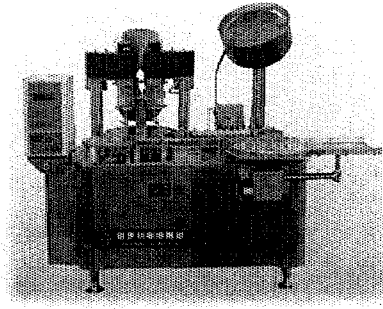
ZYG-80 Easyopening cap Liquid Filling Machine





SHANDONG PENG LAI PHARMACEUTICAL MACHINERY FACTORY

Fz12-120 Computer-controlled Screw Type Powder Bottling Machine



Main Technical Data

Production Capacity:60-120 bottles/min(stepless speed regulation)

Antibiotic Bottle Size:5-20ml(with some parts changed)

Conforming Rate of Capping:99.7%

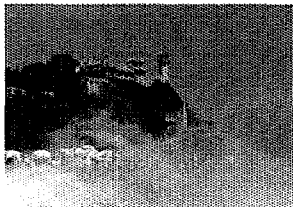
Powder Charging Error:no more than +/-4%

Powder Charging Containment:0.1-4gram

Powder of Corollary Motor:0.8KW

Outline Dimentions:800 × 1200 × 1550mm

The main products include complete sets of powder-injection equipment. The factory was established in 1971, with more than twenty years of experience in manufacturing pharmaceutical machines. As one of the major manufacturers of powder-injection equipment in China, it owns rich technical resources and advanced processing equipment. Its products have reached advanced level in the domestic market. We enjoy high reputation for our management, which features "Credit First, Customers Paramount".



Title of Enterprise:Shandong Penglai Pharmaceutical Machinery Factory

Address:Penglai City, Shandong Province, China

Post Code:265609

Phone:0086-535-5971223

Fax:0086-535-5971223

CFM

400. 600. 800.
系列全自动
胶囊充填机



CFM---- 400. 600. 800.
Serial automatic
capsule filling machine.

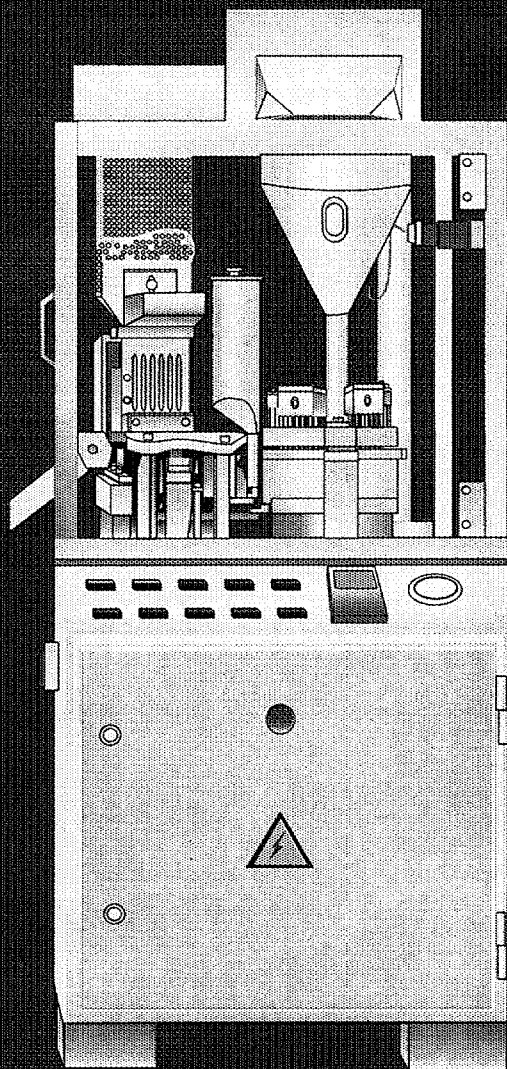
■ High filling percentage and dosing is the rule for design of CFM serial filling machine.

■ Small volume, low energy cost, high efficacy, automatic-standard and serial is the best consideration for the customer.



Jin Wan Co. LTD

ADDRESS: 559 HAMATANG RD. DANDONG
LIAONING P. R. CHINA
TELEPHONE: 86 - 415 - 4151322
FAX: 86 - 415 - 4151380
POSTCODE: 118003
E-mail: jwavi @ public2. ddptt. ln. cn.





F E P M

**COMMODITY: FLUID - BED
CYCLONE CATCHING DRYER
MODEL: FGX - 120**

Application:

It is used in pharmaceutical, food and chemical industries for drying powder and granular materials.

Features:

Based on the principle of fluid - bed dryer, cyclone separator is adopted in this machine to catch powder, where, powder trapped by the first stage cyclone separator returns to the main unit through vortex gas - seal valve so as to avoid problem of simultaneously drying in a batch the wet powder tapped in early stage of operation and overcome the trouble of cleaning powder in the filtering bag of fluid - bed dryer during operation and shortcoming of fiber shedding.

Technical data:

Productivity(kg/time): 80 - 160

Air - in temperature(°C): 20 - 120

Moisture in finished product(%): 0.5 - 3

Obtainable ratio(%): 99

Pressure of gas source(Mpa): 0.6

Compressed air consumption(m³/min): 0.6

Power(kw): 11

Overall Dimensions(mm):

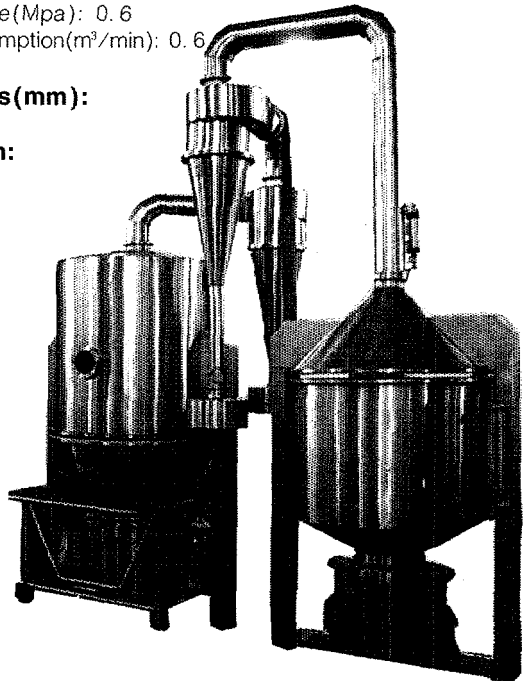
1800x 1800x 2800

Other Specification:

FGX3, FGX10,

FGX30, FGX60,

FGX300, FGX1000



Add: Rm 6-2,
Scl - Tech
BidgHigh/New
Tech, Devel,
Zone50 Yuzhou Rd
Chongqing
400039
Tel: China
Fax: (023)68604229
(023)68604229

CHONGQING FINE AND ELABORATE PHARMACEUTICAL MACHINERY COMPANY, LTD.

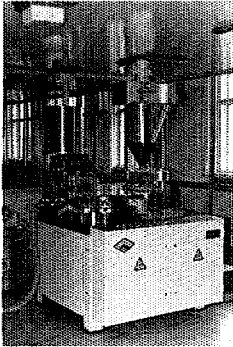
HARBIN AIRCRAFT MANUFACTURING CORPORATION

Founded in 1952, it is a large backbone enterprise of AVIC. Besides aircrafts and helicopters, it has developed a large variety of civil products, pharmaceutical machinery is also included.

I:Hard Gelatin Capsule

Filling Machine

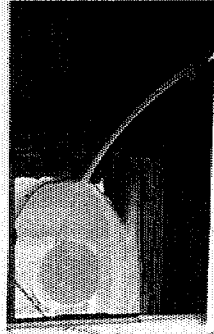
YJF15



II:Glass Tube Drawing

Production Line

BLGX10



III:Horizontal Breakable

Neck Ampoule Maker

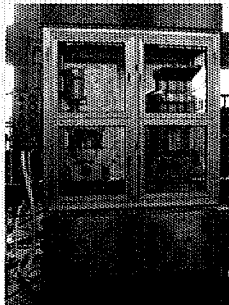
WABJ-2



IV:Antibiotic Vial Antibiotic Powder

Automatic Production Line

HFZ 300



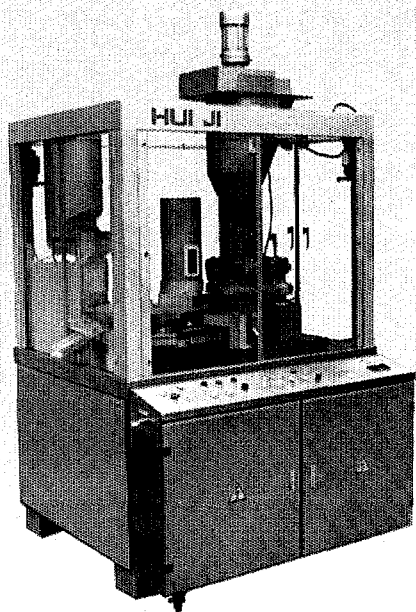
**ADD:15 Youxie Street, Pingfang District,Harbin,
Heilongjiang,150060,China**

TEL:86-451-6501726

FAX:86-451-6502223



GUANGDONG PROV. HUIYANG MACHINERY FACTORY

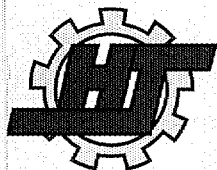


AUTOMATIC CAPSULE FILLING MACHINE SERIES

The Automatic Capsule Filling Machine produced by our factory, have speciality such as: controlled by computers, having central rotary unit, intermittently rotating around the turning table. It can automatically finish: feeding capsules, separating capsules, filling medicine, rejecting faulty capsules, closing capsules, ejecting full capsules and cleaning die. The advantages are reliable in capsule's right position, adjustable in filling weight, and accurate in dosage. The error of weight dosage less than $\pm 5\%$. The rate of finished products is more than 98%. These machines completely corresponds to the pharmaceutical G. M. P. standards due to them use sealable device.

TECHNICAL DATA

Type	ZJT-20A	ZJT-40	ZJT-40A	NJP-500	NJP-700
Output Capacity	20000 CAPSULES/H	48000 CAPSULES/H	56000 CAPSULES/H	500 CAPSULES/MIN	700 CAPSULES/MIN
Capsules to be used	00 [#] ~4 [#]	00 [#] ~4 [#]	00 [#] ~4 [#]	0 [#] ~4 [#]	0 [#] ~4 [#]
Types of Fillings	POWDER GRANULE PELLET	POWDER GRANULE PELLET	POWDER GRANULE PELLET	POWDER GRANULE PELLET	POWDER GRANULE PELLET
Power	3.88kW	4.35kW	4.35kW	3.4kW	3.4kW
Total Weight	997kg	1597kg	1597kg	750kg	750kg
Dimension	1015x1000x1850 LxWxH	1234x1200x2268 LxWxH	1234x1200x2268 LxWxH	784x930x2260 LxWxH	784x930x2260 LxWxH
Accessories	Vacuum pump 1 set, Cleaner 1 set				



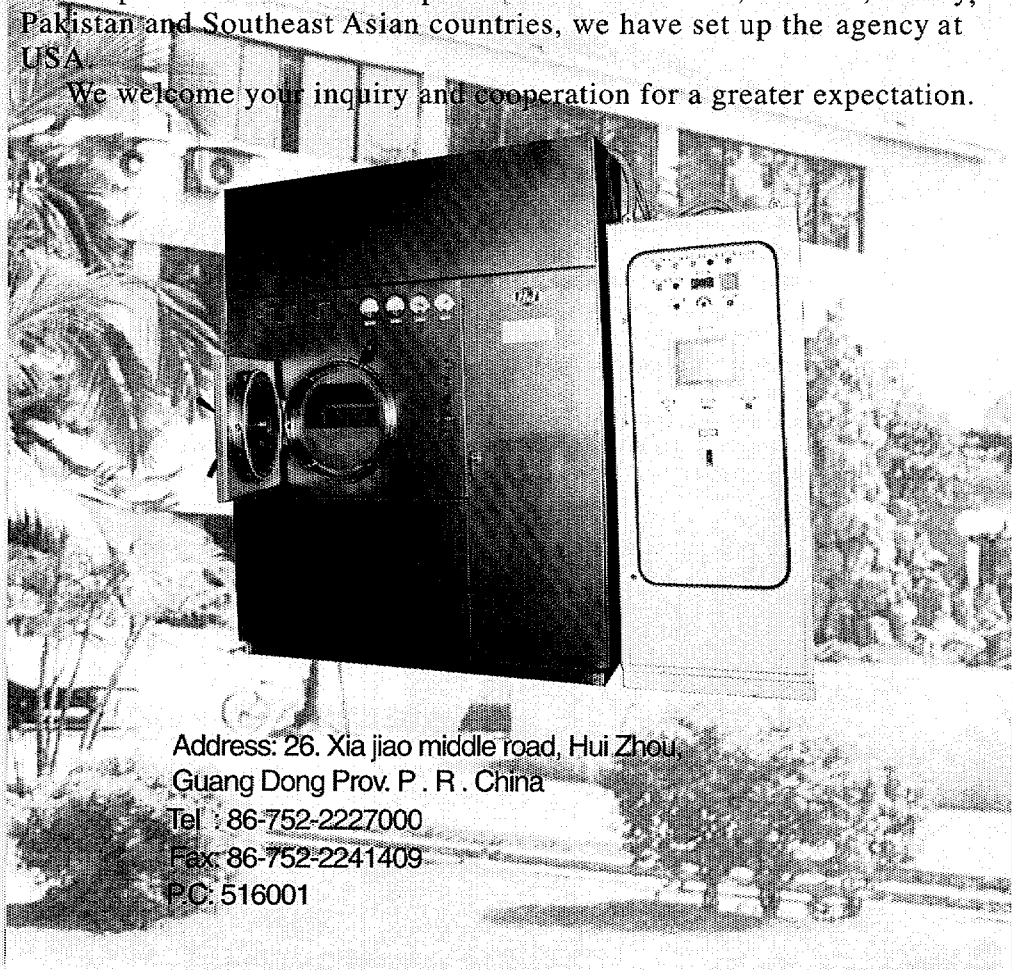
GUANGDONG PROV.

HUIYANG MACHINERY FACTORY

GUANGDONG PROV. HUIYANG MACHINERY FACTORY was set up in 1956. We have all the facilities at hand for machinery building. After ten years of hard work, now, we have been able to supply hard capsule filling machine series, traditional Chinese medicine pill machine, super micro grain pulverizer and program-control rubber stopper washer, etc. more than twenty kinds of products. Many of them have obtained the Scientific and Technological Progress Reward from the Ministry of Machinery.

Our products have been exported to USA, Canada, Ukraine, Turkey, Pakistan and Southeast Asian countries, we have set up the agency at USA.

We welcome your inquiry and cooperation for a greater expectation.



Address: 26. Xia jiao middle road, Hui Zhou,

Guang Dong Prov. P . R . China

Tel : 86-752-2227000

Fax: 86-752-2241409

P.C: 516001



Shanghai Ying Hwa Pharmacy Machine Industrial Company

An Excellent Science-Technique Enterprise

offer you the novel series products of the GNP powder and ampoule assembly line.

Since the founding of our company in Nov of 1990, it has successively set up Ying Hwa pharmacy machine research bureau and Ying Hwa pharmacy installation works. It possesses higher technique strength and specialties in the research and manufacture of pharmacy powder and ampoule production installation. It is a productive real body concentrated technique, industry and trade.

The main product-electronic numerical screw dividing as-honourably won Price" awarded by "Nation Pharmacy Products Exhibition;" PSR washing machine; channel oven, from minute to 800 automatic tagging machine and ampoule assembly series products; all kinds of conveyor set series. The quality of the products attains to the standard,



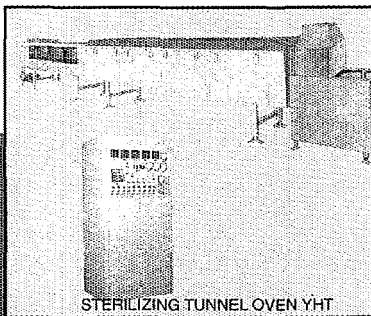
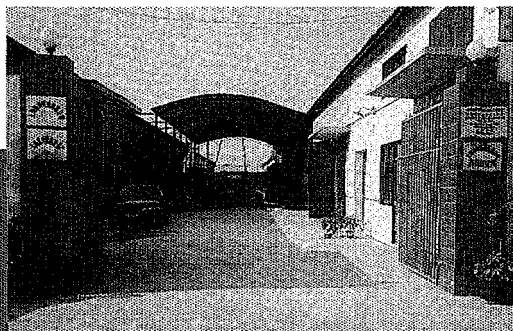
● Chairman of Board / Zhang Yue Ying Higher Engineer

Products are: PLF1-4 control double head assembly machine, "Golden Sheep" the first session Machine New Prod-1-2 vertical vertical YHF sterilizing 300 ampoules/minutes; machine; GNP Powder assembly line novel

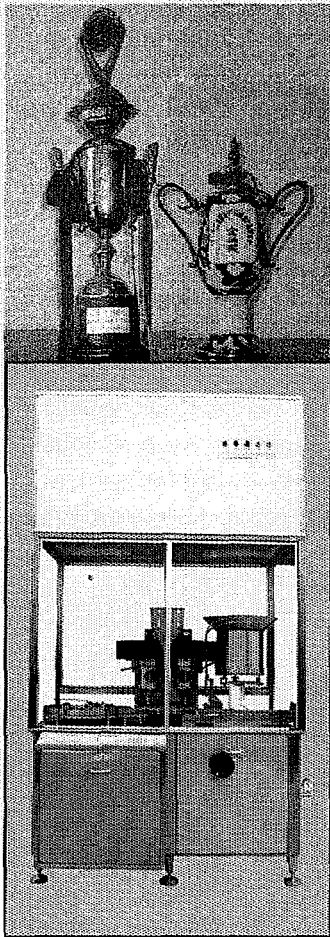
Service is best, up to now it has made 19 assembly lines for each famous group and pharmacy works. Besides selling well the products 188 sets to 25 provinces and cities, it exports them far to Indonesia, Pakistan, Thailand and other southeast countries.

Our company has been appraised as "Excellent science Technique Enterprise" by Shanghai municipality and yangpu district science technique committee in successive many years since 1991. Zhang Yue Ying, legal person representative, chairman of board of company and higher engineer, has won the title "Nation Advanced Producer and Excellent Enterprise" many times.

Zhang Yue Ying, legal person representative and chairman of board of the company, and general manager Xu Bao Min welcome warmly broad masses of customers and people of all ranks to give advice.



STERILIZING TUNNEL OVEN YHT



(1) Characteristics:

1. The filling machine is fully computerized.
2. The machine applies Man-Machine talk, screen shows.
3. Eight menus for easy selection.
4. No filling while no vial on the filling station.
5. Easy to set and amend the parameter of the stepmotor, and chose to add opposite rotation if you need.
6. If the auger touches the surface of the funnel the computer will show A or B auger is malfunction and alarms.

(2) Applicable Range:

- 7 C.C.(25mm,Dim)mould vials,(22mm,Dim)rubing aials
- 10 C.C.(28mm,Dim)mould vials,100 C.C.(53mm,Dim)mould vials

(3) Capacity:

- 0.06-2.0gng/vial-120vial/min
- 2.0-3.0gng/vial-70-80vial/min
- 5.0gng/vial-30-40vial/min

(4) Tolerance:

- 0.5-2.0gm--- $\pm 2-4\%$
- 150mg--- $\pm 3-6\%$

(5) Powder Range:

Crystalline powder, spray-drying powder, freeze-drying powder and powder with poor fluidity all can be filled.

(6) Dimension: L×W×H 1450×900×1700mm.

(7) Driving pattern: Applying numerical controlling stepmotor.

(8) Stoppering: Stopper is picked up by vacuum and then insert to the vial mouth, Successful rate of stoppering operation 99.9%

(9) Power:

2KW,380V,50Hz

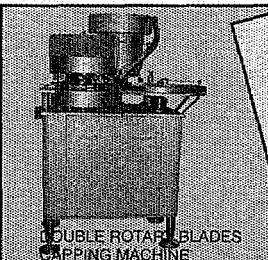
(10) Weight:650Kg.

Company Address: No 8 Passage 510 San Men Lu,
Shanghai Fax: (021) 65444114
Tel: (021) 65366089 Post Code: 200434

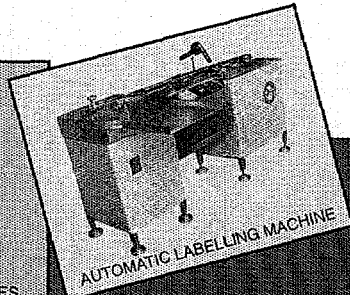
Works Address: Shanghai 318 National Highway
QingPu County ZhaoHang own Xin Chen Economic
District No 4—No 8
Tel: 021-59753538 Post Code: 201703



HORIZONTAL VIAL WASHING MACHINE DSR-2



DOUBLE ROTARY BLADES CAPPING MACHINE



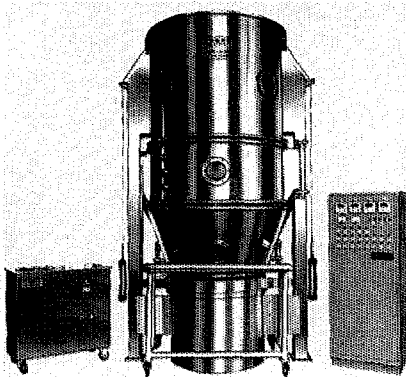
AUTOMATIC LABELLING MACHINE

CHONGQING GUANGXIA DRYING EQUIPMENT & ENGINEERING CO.

GENERAL INTRODUCTION:

It's a member of China Association for Pharmaceutical Equipment, a first grade school run enterprise of Chongqing. The company specialized in reaserching and development of drying and granulating equipment.

For the coming century we will keep on winning our user's confidence by our powerful talent system, distinguished quality and satisfying service. Our products have been widely sold to more than twenty provinces in our country and also exported to Pakistan, Malaysia, Indonesia and Tazania with high praise from users. With our effort and widely cooperation with more friends, we wish to be more helpful to parmacetical industry, particularly to the solving of the manufacture problem of the form of medicine.



MAIN PRODUCTS:

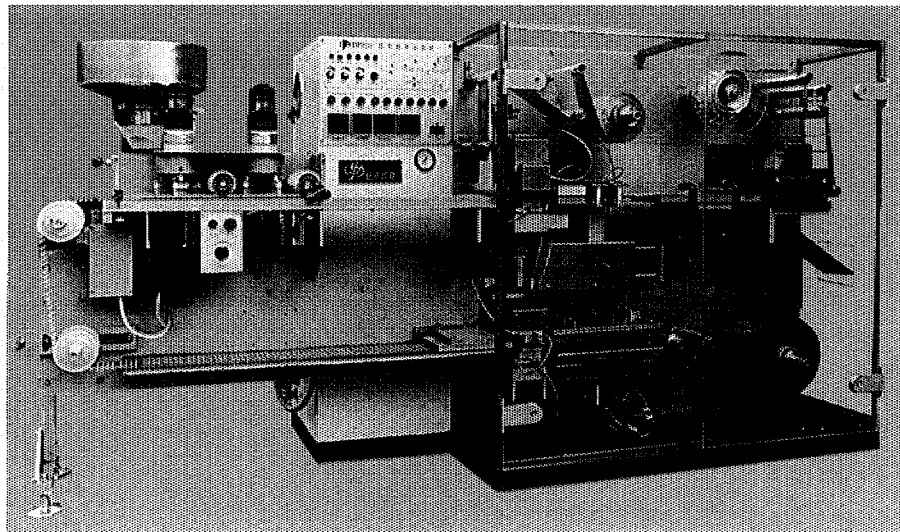
- Model PGL
spraying dryer granulator
- Model FL-A
fluid-bed dryer granulator
- Model FG-A fluid-bed dryer

Legal person: Mr. Xu Zemin

ADD:128# Shuangfeng Road, Yubei Area Chongqing China

TEL:86-23-67823244,67822860 FAX:86-23-67822860

TELEX:0633 POST CODE:401120



Beijing Pharmaceutical Mechanization Equipment Factory is a appointed factory by State Pharmaceutical Administration of China. It has history more than twenty years and has more than fifty technicians. The main products as follow: Plate Aluminium-Plastic Packing Machine Type DPP170, Plate Aluminium-Aluminium Packing Machine Type DPP170-S, Plate Aluminium-Plastic Packing Machine Type DPT250, Plastic Tube Ointment Machine Type ZGC25. Our factory is also appoint factory who can produce I, II container with pressure used in pharmaceutical and chemical industry.

BEIJING PHARMACEUTICAL MACHINE & EQUIPMENT FACTORY

Address: Dajiaoting Guang Qu Street, Beijing China

Tel: (010)67716779 67722573

Fax: (010)67721941

Cable: 0009

Post: 100022

Contact: Li Qi Yun Wang You Jian



ENTERPRISE BRIEF INTRODUCTION

Our enterprise is a member of Pharmacy Industry Equipment Association of China specialized in manufacturing pharmaceutical equipment. We have supplied one thousand blister packaging and filling equipments for customers of country and overseas. It is well-received by the user for the superb quality and good service after-sale. The main products have gained the prizes from nation and concerning departments, and have also passed quality certification by technology inspection centre of National Medicine Administration.

FEIYUN®

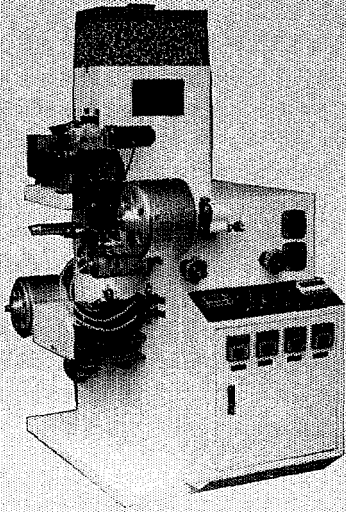
ADD: Dongshan Development Zone, Ruijia, Zhejiang, P.R.China
(Opposite to Dongshan Post Office)

Tel: 0577-5603082 5603317 5603081 5603316 5603315

Cable: 7845 Fax: 0577-5603083 P.C.: 325200



RUI'AN FEIYUN MACHINERY FACTORY(CO.)



**ZGL-160
Automatic High-Speed Double
Aluminium Foil Packer**

Main Application:Applied to double aluminium packing of tablet and capsule, etc. in pharmaceutical industry.

Operating Principle and Structural Characteristics:Adopting frequency control of motor speed, punching the array feeding material into required plates after it has been heat sealed by the moulding wheel, and has automatic temperature regulation, automatic counting for finished product and other functions.

FEIYUN®

ADD:Dongshan Development Zone, Ruian, Zhejiang, P.R.China
(Opposite to Dongshan Post Office)

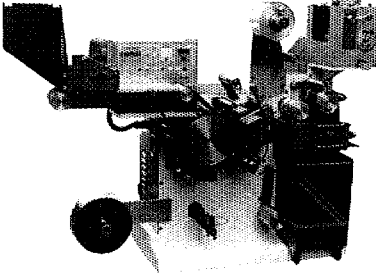
Tel:0577-5603082 5603317 5603081 5603316 5603315

Cable:7845 Fax:0577-5603083 P.C.:325200



RUIAN FEIYUN MACHINERY FACTORY(CO.)

DPT-140 Automatic Aluminium-Plastics Packer



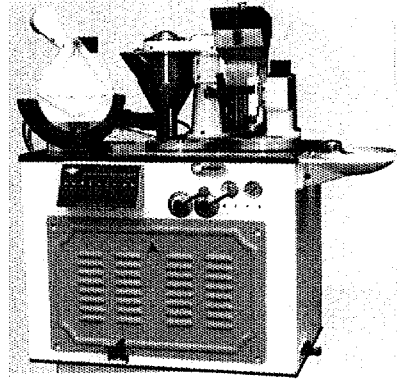
Main Application:Used for packing tablet, capsule, suppository and medical utensil in pharmaceutical industry.

Operating Principle and Structural Characteristics:PVC after having been heated will form bubble cap under negative pressure, and after the medicine material is fed in, the bubble cap will be heat sealed through knurled roll and aluminium foil, and then it will be punched into finished plates.

NCB-200B Semi-Automatic Capsule Filling Machine

Main application:Used for producing hard capsules in the pharmaceutical industry.

Operating Principle and Structural Characteristics: Fulfilling the capsule-arranging, setting, separating, filling, locking and other processes of capsules through mechanical drive.



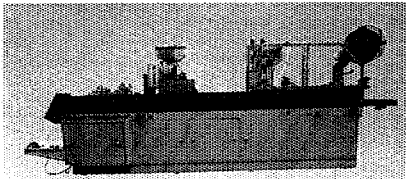
FEIYUN®

ADD:Dongshan Development Zone, Ruian, Zhejiang, P.R.China
(Opposite to Dongshan Post Office)

Tel:0577-5603082 5603317 5603081 5603316 5603315
Cable:7845 Fax:0577-5603083 P.C.:325200

JINZHOU OLDTREES PACKING MACHINERY CO.,LTD.

MODEL DPB210 BLISTER PACKING MACHINE



JINZHOU OLDTREES PACKING MACHINERY CO.,LTD.is a joint venture for manufacturing medicine and food packing machines, medical PTP aluminum packing materials.

Main Products:

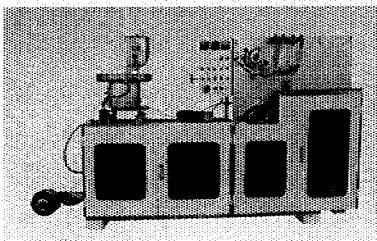
DPA250,DPA130,DPB210,DPT220,DPT130 Blister Packing Machine;

DQ325,DB420 Multifunction Packing Machines;

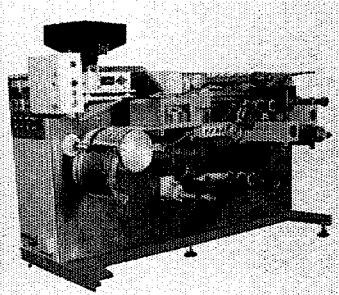
DSPI,DSPII Plastic Ampoule Forming and Filling-Sealing Packing Machines;

DXDK200,DXDK320,DXDKD660 Shading Packing Machines.

MODEL DPT130 BLISTER PACKING MACHINE



MODEL DPA250 BLISTER PACKING MACHINE



GENERAL MANEGER:SHI LIZHI

ADDRESS:NO.63 CHONGQING ROAD, GUTA DISTRICT JINZHOU CITY, LIAONING PROVINCE CHINA

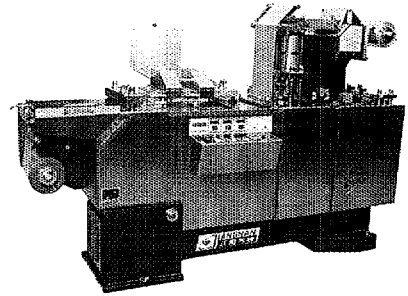
TEL:86-0416-4167750 4165752 CABLE:2623 FAX:86-0416-4168359 POST CODE:121001

Our company, a member under the Chinese Trade Association of pharmaceutic Equipment, which passed the ministerial level acceptance check of total quality control standard in 1993, is accredited as the Model Enterprise of Zhejiang Sparkling program, patent Top 100 Enterprise of Zhejiang Province, Provincial-level Green Advanced Enterprise, Key Enterprise of Wenzhou City and Top 10 Enterprise of Ruian City etc.

The corporation is producing annually over 300 blister packing machines, which have found a ready market in all over the country (Hong kong, Taiwan), Europe, Middle-East Area, South-Africa and whole Southeast Asia. It has over 1000 domestic and foreign users. Its quantity on sale has achieved the first among the product of same-type over the world.

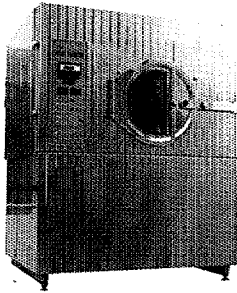
DPP-250B (DPP-200K)

AUTOMATIC BLISTER PACKING MACHINE



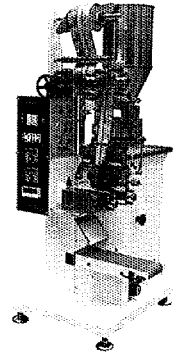
Series BG (150 · 80 · 40)

AUTOMATIC TABLET COATING MACHINE
96 National Grade New Product

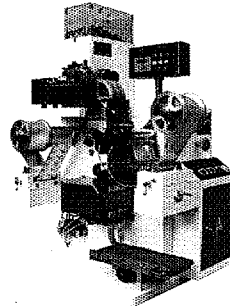
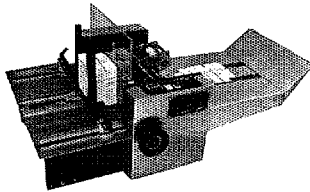


DXD-30A

Grains Packager



YH-420 Paper Box
Marking Machine

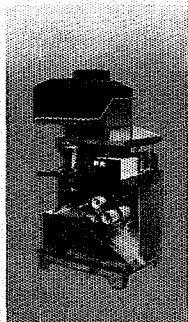


DSL-160B
Full Automatic Double-
side Aluminium- foil
Heat-sealing Packing
Machine

地址：浙江省瑞安市红旗工业区
电话(Tel):5662604 5663701
电挂:(Cable):7738 传真(Fax):5663983

Add:Hongqi Industrial Area Ruian Zhejiang
手机(M.T): 1386802121
general manager: YIJUN YANG

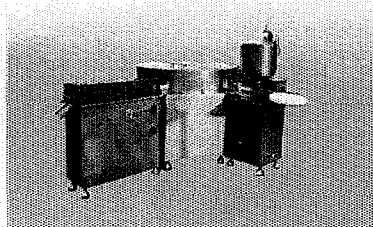
HEILONGJIANG DEER PHARMACEUTICAL MACHINERY CO.,LTD



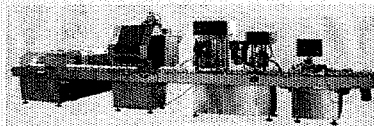
Automatic Pill Making Machine
ZW Series:processing capacity
from 20kg~120kg/h

Established in 1970, Heilongjiang Deer Pharmaceutical Machinery Co.,Ltd is specialized in manufacturing Chinese traditional medicine processing machinery.

Owing to our dedication and hard work,we have become one of the biggest suppliers in this field,our machines see a ready market in mainland China, Hongkong & Taiwan and exports to Southeast Asia countries. Your satisfaction to our machine is what we pursue.



**Suppository Drug Filling
Machine Sets**
Packing strip for suppository



**Plastic Bottle Filling, Counting
& Sealing Assembly Line**
Consist of :Strenghtening,
Sealing, Cap Screwing, Self-
adhesive Labeling Machines

**COMPANY:HEILONGJIANG DEER PHARMACEUTICAL
MACHINERY CO.,LTD**

**ADD:No.37,Linhai Road,Jiamusi,Heilongjiang Province,
154007,China**

TEL:0086-454-8782182

FAX:0086-454-8782365

ATN:Mr.Gao Chuan



BRIEF INTRODUCTION

OF

SHANGHAI XIN-XING INDUSTRIAL AND TRADING MACHINERY CO. LTD

SHANGHAI XIN-XING PHARMACEUTICAL MACHINERY PLANT

Our factory is a modern packing machinery plant with strong technical capacity. More than 90% of the engineering staff come from pharmaceutical, cosmetics and food factories. So the designed and manufactured auto packing machines are especially suitable for the specialised production of hospitals, pharmaceutical, cosmetics and food factories.

We are good at designing and manufacturing different types of auto liquid filler, oral medicament bottle sealer, auto ointment filler and the automatic machines for special packing materials. We are able to perform pesticide filling, plugging, inner revolving plug, sealing assembly line and large infusion combination line. We also design and install purifying shop and other equipment.

We undertake various work of non-standard designing, processing and manufacturing.

Our feature is to solve the customers' problems and to serve the customers with heart and soul.

Zhu Shi-hai
General Manager
Factory Director



Add: Room - 501' House - 8' Lane 561
Yan Chang Rd - (Middle)
Shanghai China

P.Code: 200072

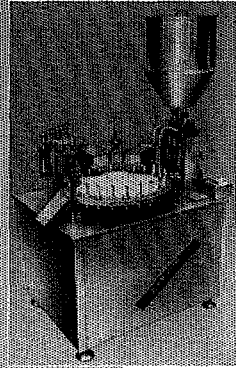
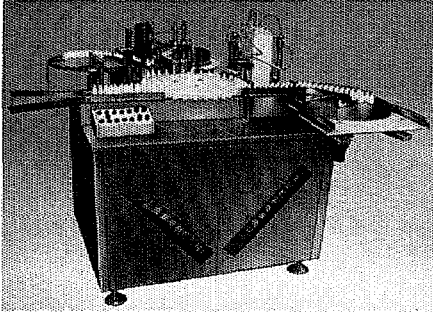
Fax: 86-21-56770079

Tel: 86-21-56625768

86-21-56770079

Ointment Filling Machine

SHZ-SYGR-1 Eyedrop Plastic Bottle
Filling/Inner Plugging/Revolving Outer Cock
Combination



Description:

The machine employs computer-manipulating pneumatic equipment, suitable for the liquid filling of plastic bottles 5-30ml. It has the function of filling while there are bottles, pausing while no bottles and there is no leaking. Filling precision $\geq 99\%$. Output is 60 bottles per minute, quality rate $\geq 98\%$. There is also the equipment of not plugging and holding the outer cock while no bottles. The machine can form an assembly line with the label sticker.

Packing material requirements:

Inner plug edge $> 3.0\text{m/m}$, discernable of weight to facilitate oscillation. In order to improve the end product rate, the bottle neck of the inner plug and the tolerance with the mouth should be $> 1-1.5\text{m/m}$.

The outer cock should not have burr. It is to prevent the obstruction to actions.

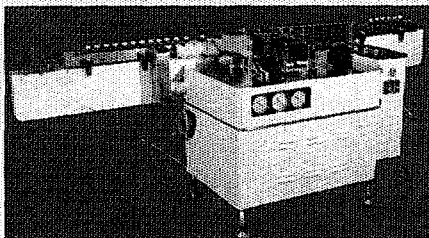
- * * *
- Power: 2kw
- Voltage: 380V, 50H
- Size: 1.5M*1.3M*1.4M
- Weight: 520kg
- Compressed air pressure: $\geq 4\text{kg/cm}$ (disposed by the customer)



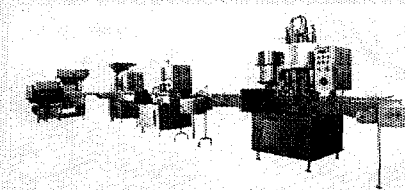


ZHONGNAN NO. 1 PHARMACEUTICAL MACHINERY

ZTZT20/1000 DRUM
LABEL-STICKING MACHINE



AUTOMATIC PACKAGING
LINES FOR PLASTIC BOTTLES



ZHONG NAN PHARMACEUTICAL MACHINERY FACTORY NO.1

Add: QIYANG HUNAN CHINA P.C. 426100 Cable: 2894

Tel: (0746) 3222388 3223738 3223608 Fax: (0746) 3222617

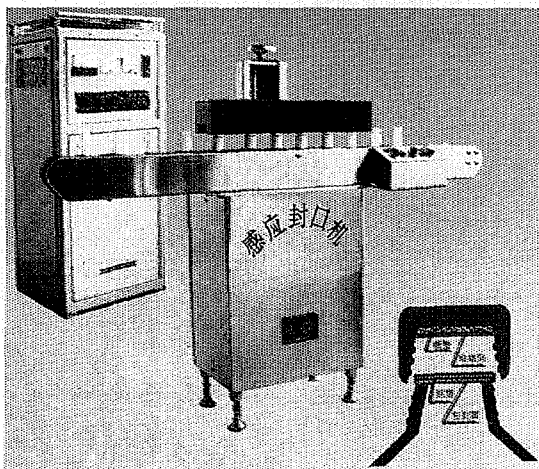
Zhongnan No. 1 pharmaceutical Machinery Factory (formerly: Zhongnan Pharmaceutical Machinery Factory) is one of the major production bases of pharmaceutical machinery in China, and the key backbone enterprise under the SPAC. It has over 1200 employees, and over 100 of them are technicians. The works has established a pharmaceutical machinery institute with senior engineers as its main staff. It now manufactures over 60 varieties of products in three types, i.e. pharmaceutical machinery, packaging machines and pressure vessels. Pharmaceutical machinery includes mixing machine, granulator, tablet press and sugar-coating machine and bubble-dispelling filling machine, etc. Packaging machines cover automatic production line for filling tablets and pills into bottles, automatic plastic bottle-filling production line, automatic filling production line for liquids, compact production line for large volume parenteral, blister packaging machine, and table type filling machine and bubble-dispelling filling machine, etc. Pressure vessel range contains multi-function extraction tank, Chinese medicine extraction tank (by means of filling water or alcohol), three-function evaporator and other pressure containers and equipment, as well as various nonstandard pressure vessels.

Shanghai Shan Li Pharmaceutical Equipment Technical Corp.

Encouraged by the policy of reform & open-door and the idea of developing science and technology to make our country strong, Shanghai Shan Li Pharmaceutical Equipment Technical corp. (herein after refered to as SL) was born in 1992. It consist of Ms. Wang Guan (Legal representative) who used to be the director and the senior engineer of Shanghai Pharmaceutical Equipment Corp., specialist, professor and senior technicians. All of them have rich experience in pharmaceutical, chemical and elector-mechanical industry form colleges, instituting and enterprises.

The purpose of SL is: Quality is First, Reputation is important.

The series of Electromagnetic Induction Sealing Cap is designed and manufactured by SL.



According to several testing, it is an excellent product with superior function, safety and reliability. This serials has received many prize. Especially, Model II, one product of this series, has many excellent characteristic, such as advantage tectonic, small shape, light

weight, simple and artistic and easily carried. It has caught the foreign advanced level.

上海三利制藥裝備技術公司

SHANGHAI SANLI PHARMACEUTICAL EQUIPMENT TECHNICAL CORPORATION

地址: 中國上海延安西路900號(江蘇路口) Add: 900 Yan An Rd., Shanghai China

電話: (086)021-62131812 Tel: (086)021-62131812

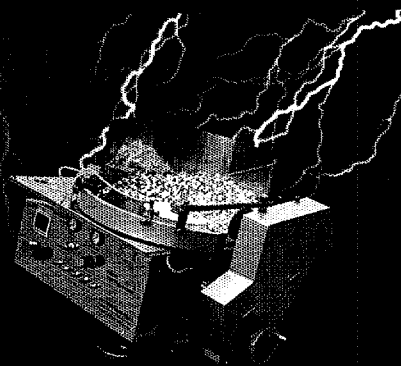
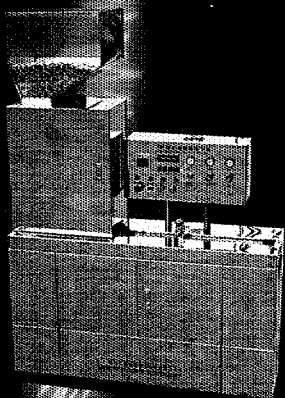
電挂: 7785 Cable: 7785

郵編: 200052 Zip: 200052



SUZHOU INDUSTRIAL PARK,
HUAYUAN MACHINERY & ELECTRONIC APPLIANCE CO., LTD.

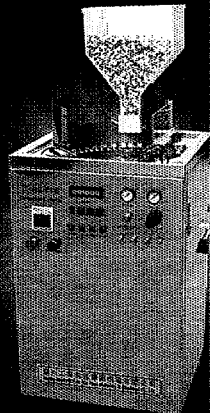
Suzhou Industrial Park Hua Yuan machinery Co., Ltd. is a joint venture established Park. It is a high - tech enterprise mainly combining machinery ,electronics and optical instruments. It is a specialized company in researching, developing and producing capsule & tablet printing machinery. the products of AP - axial, DP round & axial, RP directional capsule printing machines have been applied for three patent rights from China National Patent Bureau. Our products Are sold very well all over China. Furthermore, they are exported to the Southeast Asia.

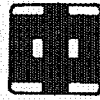


Our objects are Developing nationality quality, creating word - class level, footholding in Suzhou and moving towards the world. Our aim is: best quality and good service for customers. Our promises are good quality, all specifications of new products and best service.

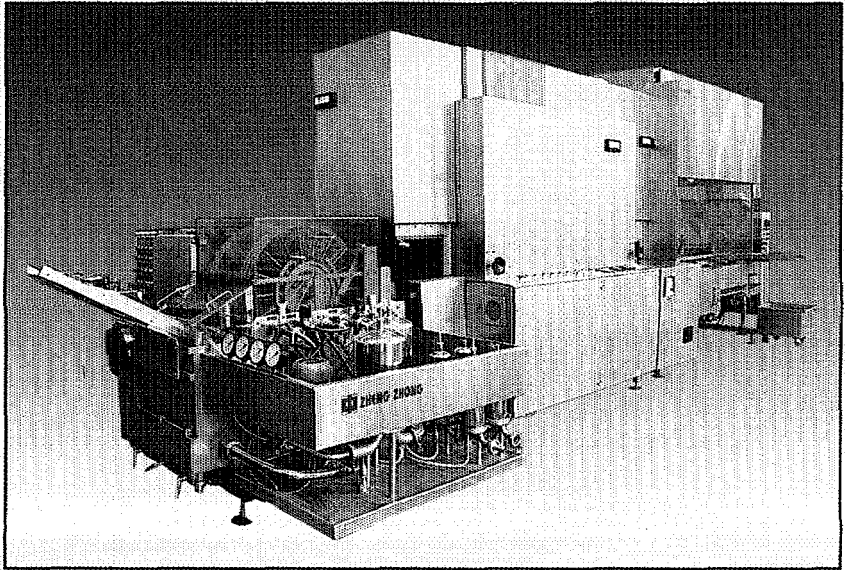
We'd like all friends to join us and bring about a good future.

ADD: No. 8 Nan Yuan Road. Suzhou
ZIP: 215006
TEL: 0512-5308737
FAX: 0512-5107028

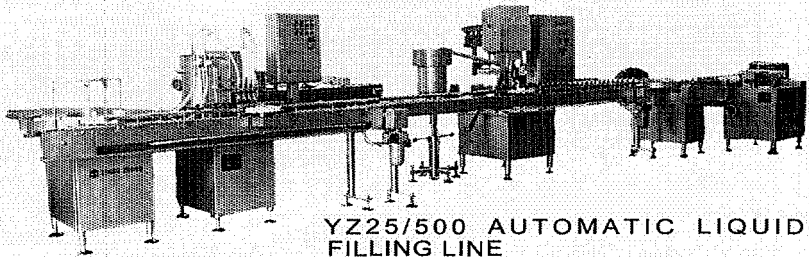




zheng zhong



**BXSZ1/20 LINKAGE SET FOR AMPOULE CLEANING
STERILIZING FILLING AND SEALING**



**YZ25/500 AUTOMATIC LIQUID-
FILLING LINE**

ZHONGNAN PHARMACEUTICAL MACHINERY FACTORY NO.2

Add: Xianjia Hu Road Changsha Hunan China

Tel: (0731) 8809343 8809250 Fax: (0731) 8809250

Post code: 410006 Factory director: ZHANG XIYAN



BRIEF INTRODUCTION OF ENTERPRISE

Aiming at offering excellent pharmacy for the health of mankind, according to standard of pharmaceutical quality(GMP) issued by state our factory researches, develops and produces pharmaceutical equipment with international level, which sell well at home and abroad owing to the advanced process technology stable performance and excellent quality.

Our main products are :

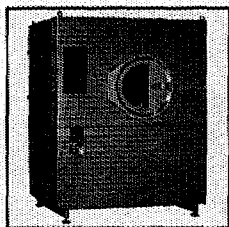
BGB series high efficient sugarcoating equipment;

HD series multidirection movement mixer;

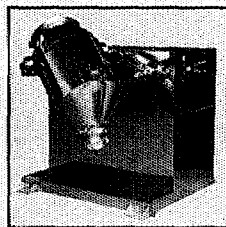
HL series material bucket mixing machine;

FZ series graining and granulating..ect

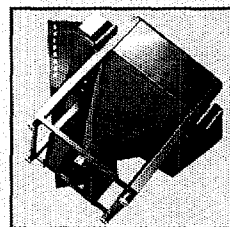
Our products have high marking share over the country and far into the markets in Indonesia, Pakistan,Philippine,VieNam,Cambodia,HongKing...



BGB series



HD series



HL series

WENZHOU PHARMACEUTICAL
EQUIPMENT FACTORY

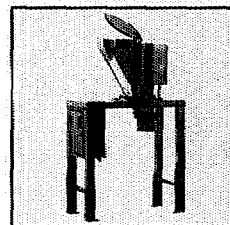
Director : WangXiaolun

Add:Shanhou lane Liming Road

Wenzhou city,china

TEL:0577-8317378 8378153 9004282

Fax :0577-8362420 Zipcode : 325003



FZ series

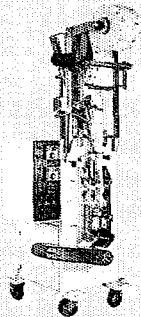
DASONG ENTERPRISE GROUP

DASONG

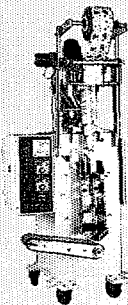


With rich experience in the production of machine and numbers of advanced engineers and technical personnel Beijing Dasong Machinery and Electronics Co., a high-new technology enterprise in the New Technology Development and Experiment Zone of Beijing Municipality, works mainly on the development, production and management of various packing machine, printing machine and relating consumers' goods.

Among about thirty types of the packing machine in over ten variety, SB series small sized packing machine was entitled as national-grade excellent new product in 1992 and got the measure licence issued by National Measure Bureau, as well as the DXD1000B automatic packing machine was appraised as national-grade torch item. For its wonderful reputation, Dasong packing machine has been sold through out our country and exported to more than ten foreign countries and regions.



**SB-80
GRAIN
AUTOMATIC
PACKAGING
MACHINE**



**SB-60F
POWDER
AUTOMATIC
PACKAGING
MACHINE**

**SB-60PJ
TABLET
AUTOMATIC
PACKAGING
MACHINE**



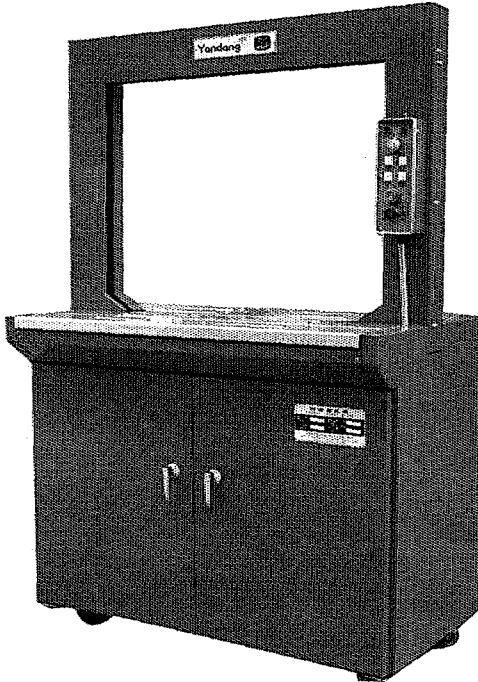
SB series automatic packaging machines, composing of powder, tablet, grain and liquid varieties, are the latest small-sized and vertical bag-packaging machines with the intermittent gearing and the three sides sealing, which were developed by Beijing Dasong Machinery & Electronics Co. It can automatically finish bag-making, filling, sealing and cutting.

Beijing Dasong Machinery & Electronics Co.
Add: No. 118 Yimuyuan Haidian, Beijing(100091)
Tel: (010)62882351 62881351
Fax: (010) 62881498
Liaison department: Packaging Machine Dept. ZhangXiaoPing



**WENZHOU FANGZHENG ENTERPRISE
GROUP(WENZHOU PACKAGNG MACHNERY
GENERAL FACTORY)**

Automatic Strapping Machine



SK series Automatic Strapping Machine has been used for the strapping of packages in a wide range of all kinds of fields. It can be operated separately or combined into packaging line.

ADD:33 Feixia South Rb, Wenzhou, Zhejiang, China.

(TEL):0577-8631349 8635981

(Cable):0001

(Fax):0086-577-8632224

Postal Code:325003



JIANGSU GUIBAO GROUP

Brief Introduction

Jiangsu GUI BAO Group is located at ZHUTANG Town of Jiangyin, famous for its beautiful scenery on the south bank of Yangtze River. It lies with Shanghai to its east, Suzhou and Wuxi to its south, and with Yangtze River Bridge and Shanghai-Nanjing Express Way called "Golden Passageway" nearby. It has a unique geographical advantages with convenient transportation both on land and by water. So, it is a best place for investors to settle in.

This group company has 185 million RMB yuan of fixed assets. It covers 181500 square meters of land space. And it has employed more than 1580 staff and workers, among them, 283 are senior and middle grade scientific and technical personnel. So, it possesses a strong scientific and technical force and it has owned advanced manufacturing and processing machines and a complete set of testing and inspecting equipments.

Its main products are medicines, food, chemical machinery, Chinese medicine machinery, plastic soft-packing machinery, of which, the zs series of rotating-vibrative screens, GFSJ series of high-efficiency crushers, WPI series of micro-crushers, GK-70 Type dry Grain-formers, Powder-Engineer Series' equipments, Finished Chinese Medicine Cutting gears, sugar-coating machines, twin-screwstem extruders, etc., which adopt sophisticated technology of the world. All the above-mentioned products won the "Golden Sheep Prize" from National Pharmacy Management Bureau, the "Excellent Product Prize" from the Chinese Medicine Management Bureau, "Golden Ox Prize" from Jiangsu province, and Gold and Silver Prize of state Star-Light Planning. It also won the Excellent Prize for new-and-advanced technique and newly created products etc., "GUI BAO" has been ranked as the key trunk enterprise by the State Pharmacy Management Bureau and Chinese Medicine Management Bureau, and evaluated as Jiangsu provincial New and Advanced Enterprise and a key close and congregated Enterprise for "Star-Light Tech.". It has been evaluated as an advanced or a first-class enterprise for its good reputation and always-obeying contracts for 8 years in succession by WUXI and Jiangyin governments. Also, it has gained AAA Certificate from Jiangsu provincial Financial System. It has been evaluated as Wuxi City Star Enterprise for 3 successive years and as Jiangyin City Star Enterprise for 5 years in succession.

GUI BAO products have enjoyed good reputation, possesses an important position in market and being popular with customers both at home and abroad.

Mr Zhou Yuan Long, Chairman of Jiangsu GUI BAO Group, and Mr Kong Pei Du, the General Manager, on behalf of all the staff members and workers, deeply appreciate all their customers, old and new, for their sincere cooperation and support, devote themselves to providing qualified and high-efficiency products and offer their optimal services to develop and expand international trade.

Warmly welcome to GUI BAO for business talks and create a better and brighter future!

Jiangsu GUI BAO Group Corp. LTD.

LEGAL REP.: ZHOU YUAN LONG

ADD: NO.58, RENMIN ROAD, ZHUTANG TOWNSHIP, Jiangyin, Jiangsu Province

TEL:0510-6381883 6381305 FAX:0510-6381242 PC:214415

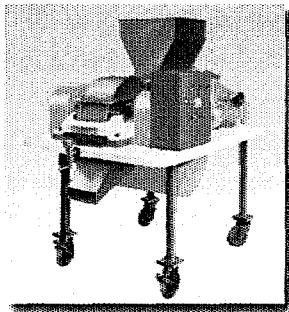
Main uses: The machine is designed according to the theory of mixing spraying powder. It is widely used in the pulverizing materials in pharmaceutical foodstuff and chemical industries.

Structural Features: The machine consists of the pulverizer and the fixed quantity adder it has a simple structure, easy to detach and clean, Some main parts inside the chamber that bounces the materials to be pulverized are all made of stainless steel thus the machine is acid-resisting corrosion-resisting.

The machine works properly, smoothly with low noise low consumption of power.

Working Principle: It is high speed revolving machine, it uses double sharp blades, it cuts so fast that the materials in the chamber is well pulverized by the revolving blades To meet the different demands. Various kind of blades with different shape and size can be applied, the screen meshes can be substituted to get the right granules or adjust the speed.

Model GFSJ-16 High-Efficient Pulveriger

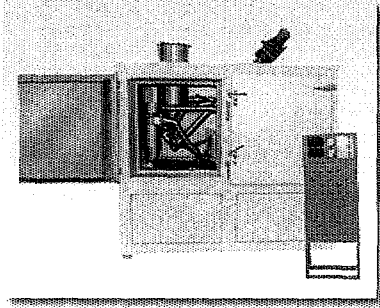


ULTRA-CRYOGENIC MILL



JIANGSU GUIBAO GROUP

DFJ-2



Main uses: It's applied widely to grind material such as pharmaceuticals, foodstuffs, chemical industry, national defence and science research etc. Especially, it's possible to grind thermo-sensitive material, such as rubber, plastics, medicine, animals and plants etc. Which are tenacious,

not easy to grind under normal temperature. Low temperature grinding is that material is cooled by water and grinded to demanded level without destroying original ingredient. It's more efficient to combustibles by means of low temperature grinding.

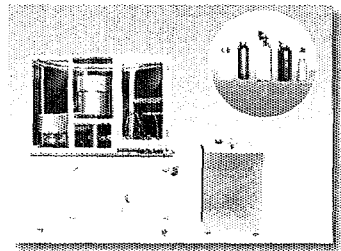
Struture: Pre-cooling barrel, the spiral conveyer, lower temperature air-blower, whirl-separator, powder filter, electric control machine etc.

Model YG Filling and Sealing Machine for Nourishing Bottles

Main uses: This machine is specially designed for the filling and sealing of the straight tube bottles which contains oral nourishing liquid.

Properties: The machine preforms the following procedures: first conveying bottles with a rod, then filling, dropping bottles covers, then fastening the covers and finally sending bottles out. Themachine applies rod-feeding bottles to avoid lacking of bottles.

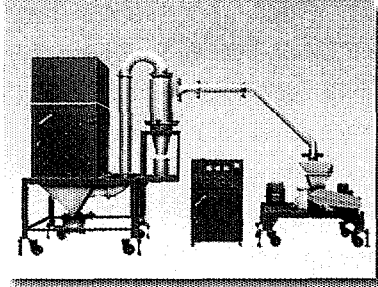
While fillingthe bottles. A flexible device is fitted in the fastening place to avoid bottle-crashing. A mini decelerating box is equipped to control the speed. The various actions in the filling and sealing is controlled by the convex theory. The machine is compactly designed, easy to handle and maintain.





JIANGSU GUIBAO GROUP

MODEL WPJ-15 MINI-EFFICIENT PULVERIZER



Main uses: The machine is made up of main engine, auxiliary engine and electric box, featuring winnowing without sieve or mesh, even granule size, continuous operation, etc.

The machine reaches advanced world level and is widely used for

material grinding in pharmaceutical, chemical, foodstuff industries, etc.

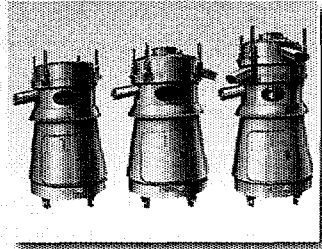
Working Principle: Material goes through the funnel and is sent to the grinding chamber by the spiral conveyor, where it is cut into small bits by the whirlwind separator and bag-type dust remover by means of negative pressure wind transportation.

ZS-Syst Vibrating Screens

Main uses: The machines are suitable for flow process, and they are perfect equipments used for granulas to screen.

Characterstics: The machine consist of hopper, vibrating chamber, connecting shaft, and electricmotor. There are eccentric wheel, rubber softwate softwate,

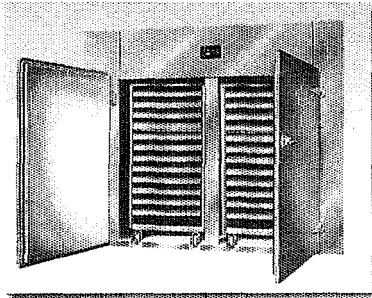
nain shaft and shaft-bearing in the vibrating chamber. When the adjustable eccentric weight is passed the centre of main shaft by motor driven, it may be out of balace and causes eccentricity, and so that the materials form regular eddy. The amplitude of the weight adjuster may regulate by changing the diferent material and the meshes of screens. It is small in volume, thightness, dutness, noise-free, high output, low in energy consumption, easy to move and easy to maintain.





JIANGSU GUIBAO GROUP

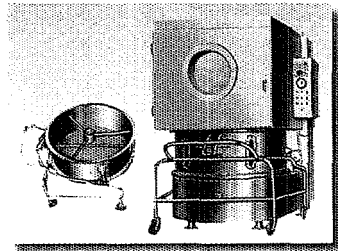
RXH-Type Oven Series



Main uses: It's suitable for phRMcy, chemical, foodstuff, light industry, heavy industry ect. Such as original medicines, raw medicine doses, packing bottles, drying vegetables, foodstuffs, plastic resin, electric pressure, original workpieces, heating lacquer etc.

GFGQ-100 Multiple Function Churning Drier

Main uses: The machine is suitable for drying granulated material of pharmacy, Chemical, foodstuff, light industry and viscous material. With the multiple drying function, it is the advanced equipment of 1990's.



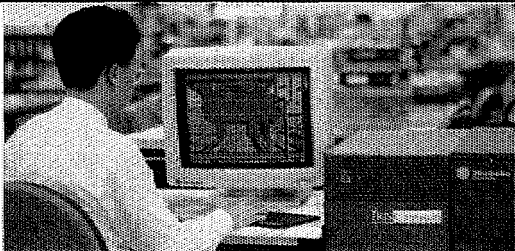
Characteristics:

1. The machine makes material dry by hot air churning bed. It feature rapid drying, well distributed temperature. The hot air meet the GMP standard.
2. The main drier is supplied in sets of air heater, pilot air pump and automatic temperature controller. The material tank of drier is jacked up by cylinder, It has the characteristic of simple structure, easy operation and sealing guarantee.
3. The material tank is equipped with agitator and special air scattering plate, so there is no blind angle in drying bed. It is very convenient to unload wash since adopting the system of bottom turn board unloading.

PURIFICATION EQUIPMENT (SUZHOU) CO., LTD.



Expert in Micro-Pollution Controlling



- *Specially design center,data center,judge center of national purification engineering
- *Responsible conduct,operating,training,maintainace of pure water & purification engineering
- *Using modern sophisticated purificate technology & U.S.FDA standard
- *Unique whole CAD system of purification engineering
- *A lot of famous consumers & key projects

Provide following service in pharmaceutical,electric,chemical & food area

Pure water & waste water treatment system Clean room engineering system Serving system for purified projects

Add:No.3 Jinshan Road the National New & Hi-Tech Industrial Development Zone Suzhou

Tel:0086-512-8256112.8255652 Fax:0086-512-8256112

Post card:215011

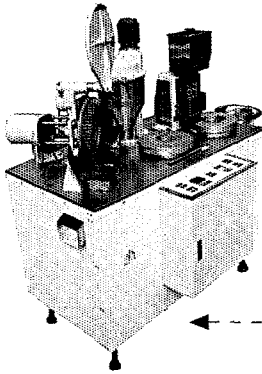
General Manager:Ke Ming-ming





BEIJING AEROSPACE CITY MACHINERY ELECTRIC EQUIPMENT PLANT BRIEF INTRODUCTION

As the specialised manufacturer of pharmaceutical machinery and machinery electric equipment, Beijing Aerospace City Machinery Electric Equipment plant comprises technique, matured process equipment and reliable quality. Products are sold to over 20 provinces, cities and areas. Furthermore, exported to South East Asia and America regions. Any enquiries and order are cordially welcome.



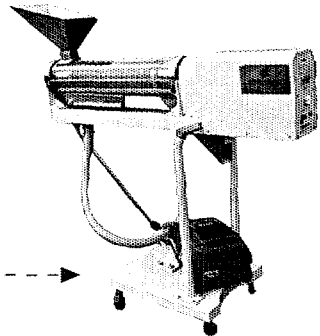
J TJ-III Semi Automatic Capsule Filling Machine

J TJ-III Semi Automatic Capsule Filling Machine, combining electrical and pneumatic control, fitted AC frequency conversion stepless speed converter, and equipped with and electronic automatic counter and trigger button, is reliable to use, sensitive to control, and easy to operate automatically. It performs capsule positioning, the finished products rate of 97% or more is obtained.

productivity granule/h	size of capsule	filling type	power supply kw	weight kg	dimension L × W × H (mm)	subsidiary installation
6000 - 13000	0 - 3	powder, granule	2.61	400	1240 × 860 × 1480	air compressor, circulating vacuum system

MG-1 Polishing Machine

Advanced technology, reliable product. Make use of polish method, the capsule and tablet surface shall be clean and smooth. Stepless variable speed. With the change of main axle inclination angle, the polish time can be adjusted.



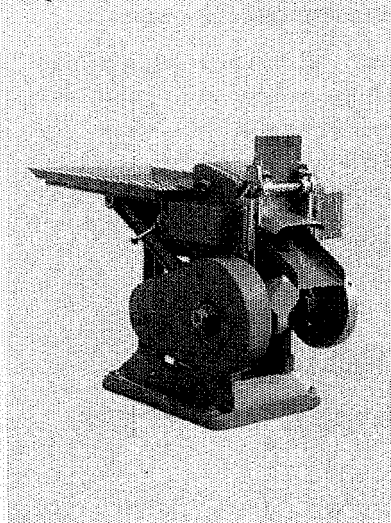
Technical Data				
productivity granule/h	power supply	power W	size L × W × H	weight Kg
3000 - 7000	AC200V, 50Hz	180	1150 × 1250 × 400	620

Address: No.56A Wu Ke Song Rd. Haidian District, Beijing, 100039, China.
Director: Wang Yong Qi
Tel:(8610)68182941, (8610)68211217 Fax:(8610)68182941

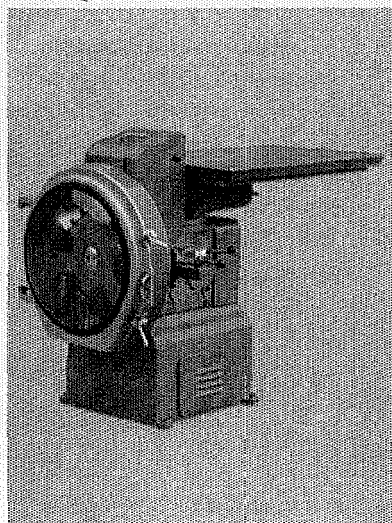
*ZHOUKOU PHARMACEUTICAL MACHINERY
MANUFACTURER*

We are specialized in manufacturing various kinds of slicing machines for the pre-processing of traditional Chinese medicine. What we pursue is fine quality & excellent service. We can supply various kinds of pre-processing machinery for herbal medicine, to meet the requirements of different clients. High quality, high reliability, high efficiency, high safety, & high flexibility have become the ear-make of our machines.

RECIPROCATING SLICING
MACHINE
WQY 240-2



ROTATING TYPE
SLICING MACHINE
QYSERIES

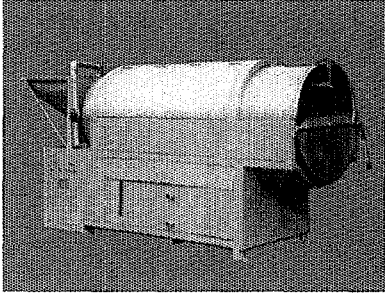


**Add:No.180,Bayi Road,
Zhoukou, Henan
466001,China**

**Tel:0086-394-8223481
0086-394-8223480
Fax:0086-394-8232737**

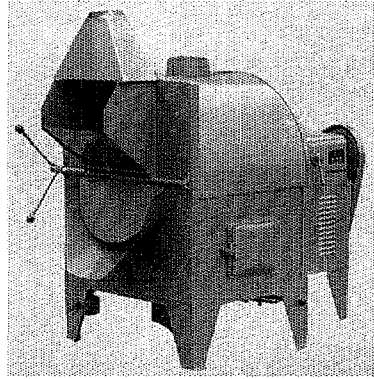
*ZHOUKOU PHARMACEUTICAL MACHINERY
MANUFACTURER*

HERBAL MEDICINE
WASHING MACHINE
XY 720



It is suited to wash fruits and other similar goods, widely used in the industries of Pharmacy, Food, Tinned Food, Vegetable Processing, etc. The processing capacity varies from 200~750kg/h. We can also meet the special requirements of the clients.

FRYING MACHINE
CY SERIES



Mainly used in concocting of traditional Chinese medicine, such as: clear frying, sand frying, bran frying, vinegar frying, frying with charcoal, and honey moxibustion etc, as well as in processing and frying of medicinal herbals and fruits.

We are the experts in this circle.

Reliable quality is what we offer you.

**Add:No.180, Bayi Road,
Zhoukou, Henan
466001, China**

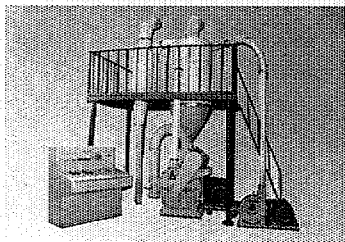
**Tel:0086-394-8223481
0086-394-8223480
Fax:0086-394-8232737**

TIANJIN CHINESE MEDICINE MACHINERY WORKS

We are the major manufacturer of Chinese medicine machinery in China, and we can supply you with the following machine series. If you have any special requirement, please contact with us, we are always at your service. We adhere to the principle of "Quality first, customer first".

I: CRUSHING UNIT

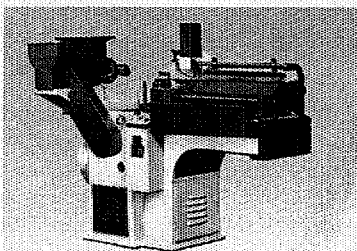
TF-700



II: THREE ROLLER HONEY PILLS

FORMING MACHINE

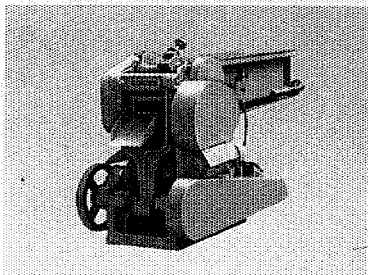
ZTM 80-3



III: CHOPPER TYPE

MEDICINE CUTTER

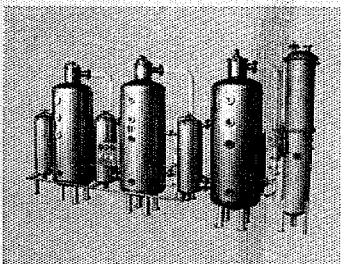
D74-10



IV: TRIPLE EFFECT

CONCENTRATOR

TSNQ



**ADD: No. 278, Xi Qing Dao, Xi Qing District,
Tianjin, 300380, China**

TEL: 86-22-27391201

FAX: 86-22-27391201

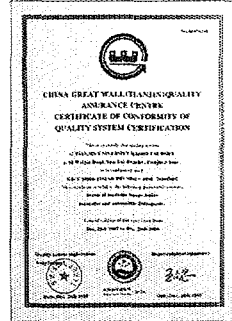


Tianjin University Radio Factory Tianjin University Precision Instruments Factory

Add: No.92, Weijin Road Tianjin
 Tel: (022) 27405545
 Fax: (022) 23350851
 P.C.: 300072

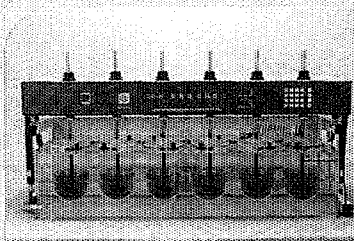


Director Gong Li Qing

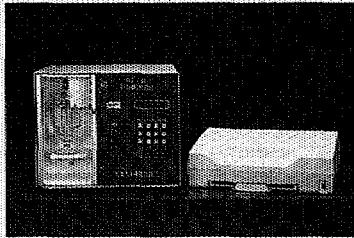
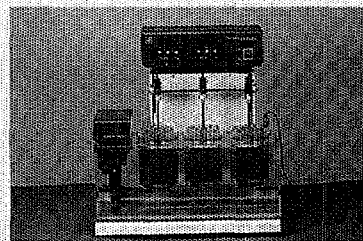


The radio factory and the precision instruments of Tianjin University possesses the comprehensive technique consisting of microelectronics, computer, precision machine, optics and so on. It is an enterprise equipped with high science and technique that produces the drug testing instruments and was awarded the certificate for Quality System of GB/T 19001-ISO 9001:1994 in 1997.

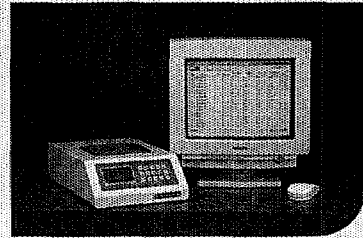
D-800 Intelligent Drug Dissolution Tester



ZBS-6 Intelligent Disintegration Tester

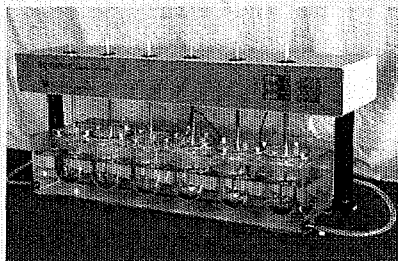


WJ-2 Intelligent Particle Detector

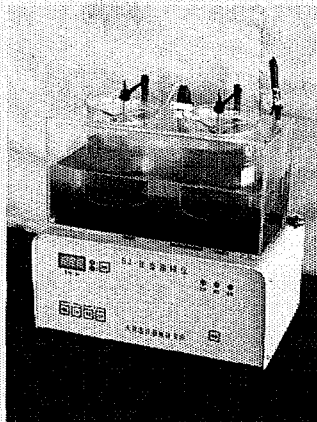


BET-16 Bacterial Endotoxins Tester

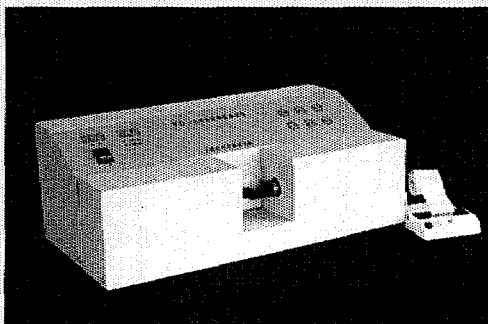
TIANJIN MEDICAL INSTRUMENT INSTITUTE



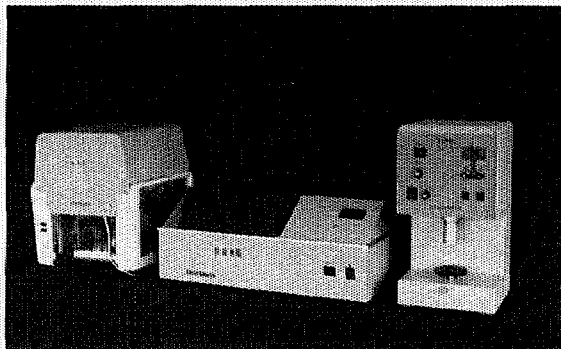
Intellectual Pharmacal Dissolution Testor(RC-610).



Intellectual Disintegration Testor(BJ) Series



Tablet Hardness Testor
(YD-II)



Gel Strength Testor
(JS-I)

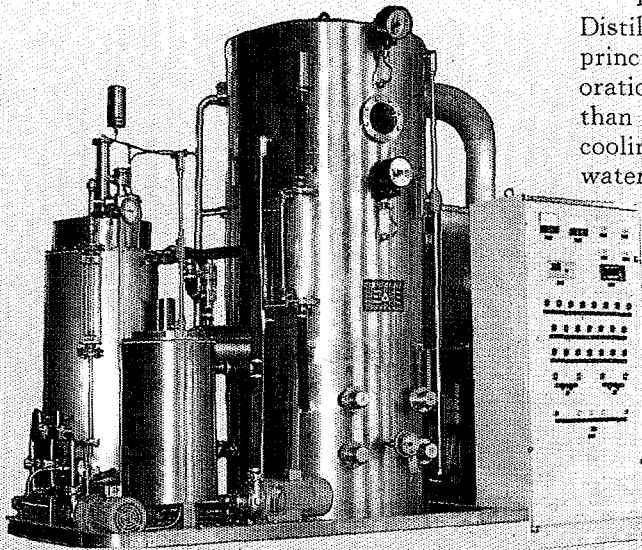
Add:No.237 Hong Qi South Road Nankai Tianjin China

Tel:(022)23363018 23369102

Fax:(022)23365845

Post Code:300191

Ry Thermocompression Distiller



Ry Thermocompression Distiller is based on the principle of heat pump evaporation. It's saved more than 90% energy without cooling water. The distiller water is high quality, low cost and stable water quality. It conforms to the standard set by the People's Republic of China for use in medical injection. It's also suitable for use in chemical, petroleum, food, desalination of sea water, medical treatment and light industry.

Main Products

- 1) Air Lift Ferment Reactor
- 2) Thermocompression Distiller
- 3) Horizontal Closed Peeler Centrifuge
- 4) Double-cone Rotary Vacuum Dryer
- 5) Oscillating Granulator
- 6) Multi-effect Water Still
- 7) Glass lined Closed Reactor
- 8) Mixer
- 9) Powder Forming Machine
- 10) Sugar Coating Machine
- 11) Honey Refining Unit
- 12) Non-standard Chemical Equipment
- 13) Motion Crystallizing Machine
- 14) Spraying Drying Tower
- 15) Auto Ion Exchange Water Treatment Machine

Brief Introduction

Baoji Pharmaceutical Machinery Works is one of the key manufactures of the State Medicine Administrative Bureau, specializing in producing pharmaceutical and chemical equipment. It has 30 years kindly service experience for state and abroad user in pharmaceutical industry. It also gets good name from user.

The works has chief production shops of riveting and welding, glass lining, forging, machine and heat treatment. It has a backbone of rich experience, skilled business and excellent technology. It has perfect system of quality administration and advanced test means. The works research institute is in contact with the enterprises of the pharmaceutical, chemical and college of the whole country. It devotes itself to the development of pharmacy chemical machines and equipments new products and technique. It has put a lot of high technology products on the market.

Director: Li Guitang
Post Code: 721006

Add: 21 Chuan Shaan Road, Baoji, Shaanxi.
Tel: 0917-3315195 Fax: Cable: 2750

Beijing Pharmaceutical Machinery and Equipment Factory

Add: Dajiaoting Guang Qu Street, Beijing, China

Tel: 0086-10-67716779 Fax: 67721941 P. C. : 10022

Beijing Chinese Medicine Machinery Works

Add: 33 Totiao Chang Xiang, Chong Wen Qu, Beijing, China

Tel: 0086-10-65115345 Fax: 65115343 P. C. : 100051

Beijing Tong-Da Hi-Tech Company

Add: No. 52 Yongding Road, Haidian District, Beijing, China

Tel: 0086-10-68388767 Fax: 68388652 P. C. : 100854

Beijing Tian Min Hi-Tech Development Co.

Add: P. O. Box: 9200-71 Beijing, China.

Tel: 0086-10-68382704 Fax: 68381851 P. C. : 100076

Beijing Hong Hua Electro-mechanical New Technology
Company

Add: 50 Yongding road, Haidian District, Beijing China

Tel: 0086-10-68385234 Fax: 68386763 P. C. : 100854

Beijing Aeronautical Manufacturing Technology Research
Institute

Add: P. O. Box: 863 Beijing, China

Tel: 0086-10-65797893 Fax: 65762306 P. C. : 100024

Beijing Dasong Machinery & Electronics Technology Co.

Add: No. 118 Yimuyuan, Haidian District, Beijing, China

Tel: 0086-10-62882351 Fax: 62881498 P. C. : 100091

Yangchunhui Science & Technology Developing Co. , Ltd
Add:No 73 Shuang—Quan—Pu, Hai Dian district, Beijing,
China
Tel:0086—10—62329131 Fax:62329131 P. C. :100085

Beijing Aerospace City Machinery Electric Equipment Plant
Add:No. 56A Wu Ke Song Rd. Haidian District, Beijing,
China.
Tel:0086—10—68182941 Fax:68182941 P. C. :100039

Beijing Tianli Medicine Equipment Co. ,Ltd
Add:Rm. 311 Towercrest Plaza Maizidian West Rd. ,Beijing,
China
Tel:0086—10—64671989 Fax:64671986 P. C. :100016

Tianjin Chinese Medicine Machinery Works
Add:No. 278, Xi Qing Dao, Xi Qing District, Tianjin, China
Tel:0086—22—27391201 Fax:27391201 P. C. :300380

Tianjin Medical Instrument Institute
Add:No. 237 Hong Qi South Road, Nankai District, Tianjin,
China
Tel:0086—22—23363018 Fax:23365845 P. C. :300191

Tianjin University Radio Factory
Tianjin University Precision Instruments Factory
Add:No. 92, Weijin Road, Tianjin, China
Tel:0086—22—27405545 Fax:23350851 P. C. :300072

Liaoyang Pharmaceutical Machinery Co. ,Ltd
Add:No. Sec1, Shengli Rd, Liaoyang, Liaoning, China
Tel:0086—419—2126405 Fax:2158106 P. C. :111000

Jinzhou Oldtrees Packing Machinery Co. , Ltd

Add:No. 63 Chongqing Rd, Guta District, Jinzhou, Liaoning,
China

Tel:0086-416-4167750 Fax:4168359 P. C. :121001

Jin Wan Co. ,LTD

Add:559 Hamatang Rd,Dandong, Liaoning, China

Tel:0086-415-4151322 Fax:4151380 P. C. :118003

Harbin Aircraft Manufacturing Corporation

Add:15 Youxie Street,Pingfang District,Harbin,Heilongjiang,
China

Tel:0086-451-6501726 Fax:6502223 P. C. 150060

Heilongjiang Deer Pharmaceutical Machinery Co. , Ltd

Add:No. 37,Linhai Rd,Jiamusi, Heilongjiang, China

Tel:0086-454-8782182 Fax:8782365 P. C.:154007

Shanghai Yuan Dong Pharmaceutical Machinery General Factory

Add:359,Kang Ding Rd,Shanghai, China

Tel:0086-21-62170175 Fax:62564739 P. C. :200040

Shanghai Tianxiang & Chentai Pharmaceutical Machinery Co. ,
Ltd

Add:1380, Kang Ding Rd, Shanghai, China

Tel:0086-21-62583414 Fax:62582067 P. C. :200042

Shanghai Tian He Pharmaceutical Machinery Factory

Add:Chengjia Town,Chongming County,Shanghai,China

Tel:0086-21-59431285 Fax:59432024 P. C. :202162

Shanghai Ying Hua Pharmaceutical Machine Industrid Company

Add:No. 8 Passage 510 San Men Lu, Shanghai,China

Tel:0086-21-65366089 Fax:65444114 P. C. :200434

Shanghai Jin Qiao Spray and Dry Complete Equipment Plant
Add:60 Ying Jia Bang Yang Gao Rd, Pu Dong, Shanghai, China
Tel:0086-21-58545772 Fax:58995886 P.C.:201206

Shanghai Sanli Pharmaceutical Equipment Technical Corporation
Add:900 Yan An Rd., Shanghai, China
Tel:0086-21-62131812 Fax:62131812 P.C.:200052

Shanghai Xin-Xing Pharmaceutical Machinery Plant
Add:Roome • 501' House • 8' Lane 561 Yan Chang Rd •
(Middle) Shanghai, China
Tel:0086-21-56770079 Fax:56770079 P.C.:200072

Huxi Iron Works
Add:168/185 Pingtang Rd, Shanghai, China
Tel:0086-21-62394624 Fax:62394624 P.C.:200335

Jiangsu Guibao Group Corp. Ltd.
Add:No. 58 Renmin Rd, Zhutang Township, Jiangyin, Jiangsu,
China
Tel:0080-510-6381271 Fax:6381242 P.C.:214415

Suzhou Purification Equipment Co. Ltd.
Add:No. 3 Jinshan Rd, The National New & Hi-Tech
Industrial Development Zone, Suzhou, China
Tel:0086-512-8255652 Fax:8256112 P.C.:215011

Suzhou Industrial PARK Huayuan Machinery & Electronic
Appliance Co., Ltd.
Add:No. 8 Nan Yuan Rd, Suzhou, China
Tel:0086-512-5308737 Fax:5107028 P.C.:215006

Haimen Yonghe Machinery Co. ,Ltd.

Add;Haimen Cotton Plant(North of Haimen Harbour), Jiangsu, China

Tel:0086-513-2292008 Fax:2292308 P. C. :226114

Changzhou One-Step Drying Equipment Factory

Add;Jiaoxi, Changzhou, Jiangsu, China

Tel:0086-451-8902618 Fax:8902818 P. C. :213116

Changshu Pharmaceutical Machinery Factory

Add;No. 38 Yushan North Rd, Changshu, Jiangsu,China

Tel:0086-520-2895982 Fax:2897000 P. C. :215500

Jiangyin Freeze Drying Equipment Plant

Add;West Street Shen Gang Zhen, Jiangyin, Jiangsu,China

Tel:0086-510-6621481 Fax:6621001 P. C. :214443

Wenzhou Fangzheng Enterprise Group Co.

(Wenzhou Packaging Machinery General Factory)

Add;33 Feixia South Rd, Wenzhou, Zhejiang,China.

Tel:0086-577-8631349 Fax:8632224 P. C. :325003

Wenzhou Pharmaceutical Machinery Factory

Add;No. 106, Xueshan Rd, Wenzhou, Zhejiang, China

Tel:0086-577-8524295 Fax:8525448 P. C. :325005

Ruian Pharmaceutical Machinery Factory Zhejiang China

Add;20 yanjiangxincun, Ruian, Zhejiang, China

Tel:0086-577-5623309 Fax:5622267 P. C. :325200

Wenzhou Pharmaceutical Equipment Factory

Add:Shanxiahou Lane Liming Road East, Wenzhou, Zhejiang,
China

Tel:0086-577-8317378 Fax:8362420 P. C. :325003

Jiangnan Packing Machinery Co. , Ltd. Ruian Zhejiang

Add:Hongqi Industrial Area, Ruian, Zhejiang, China

Tel:0086-577-5662604 Fax:5663983 P. C. :325200

Ruian Feiyun Machinery Factory (Co)

Add:Dongshan Development Zone, Ruian, Zhejiang, China

Tel:0086-577-5603082 Fax:5603083 P. C. :325200

Wenzhou Zhongzhi Medical Equipment Factory

Add:Shipu Ind. Zone, Yongzhong, 559 Airport Ave, Wenzhou,
China

Tel:0086-577-6373357 Fax:6876357 P. C. :325024

Zhejiang Wenzhou Yaguang Machinery Manufacturing Co. ,Ltd.

Add:99 Canghe Rd. (W). Yongzhong Town, Wenzhou, Zhejiang,
China

Tel:0086-577-6372550 Fax:6373389 P. C. :325024

Shandong Xinhua Pharmaceutucal Co. , Ltd.

(Former Shandong Xinhua Pharmaceutucal Factory)

Add:No. 25 Xinhua Rd, Zhangdian district, Zibo, Shandong,
China

Tel:0086-533-2185538 Fax:3286157 P. C. :255005

Shandong Xinhua Medical Instrument Group Co. , Ltd

Add:Honggou Road, Zhang Dian District, Zibo, Shandong, China

Tel:0086-533-2184349 Fax:2184349 P. C. :255027

Shandong Peng Lai Pharmaceutical Machinery Factory

Add: Peng Lai, Shandong, China

Tel: 0086-535-5971223 Fax: 5971223 P. C. : 265609

Zhoukou Pharmaceutical Machinery Manufacturer

Add: No. 180 Bayi Rd, Zhoukou, Henan, China

Tel: 0086-394-8223481 Fax: 8232737 P. C. : 466001

China Wuhan Pharmaceutical Machinery Factory

Add: 25 Hangxiang (Red Lane), Wuchang District, Wuhan,
China.

Tel: 0086-27-8844815 Fax: 8874935 P. C. : 430061

Wuhan Medical Apparatuses and Instruments Plant

Add: NO. 1 Xincun, Sanjiao Rd, Wuchang District, Wuhan,
China

Tel: 0086-27-6811350 Fax: 6811258 P. C. 430062

Zhongnan No. 1 Pharmaceutical Machinery

Add: Qiyang, Hunan, China

Tel: 0086-746-3222388 Fax: 3222617 P. C. : 426110

Zhongnan Pharmaceutical Machinery Factory No. 2

Add: Xianjia Hu Road, Changsha, Hunan, China

Tel: 0086-731-8809343 Fax: 8809250 P. C. : 410006

Guangdong Prov. Huiyang Machinery Factory

Add: 26. Xia jiao middle road, Hui Zhou, Guang Dong, China

Tel: 0086-752-2227000 Fax: 2241409 P. C. 516001

Chongqing Pharmaceutical Machinery Factory

Add: No. 35 Shapingba Main Street, Chongqing, China

Tel: 0086-23-65312352 Fax: 65315646 P. C. 400030

Long March Pharmaceutical Machinery

Sichuan Long March Pharmaceutical Co. Ltd.

Add: 120 Baiyang Road, Leshan, Sichuan China

Tel: 0086-833-2440059 Fax: 2440059 P. C. : 614006

Chongqing Fine and Elaborate Pharmaceutical Machinery Company, LtdAdd: Rm 6-2 SCI-Tech Building High/New Tech Devel,
Zone 50 Yuzhou Rd, Chongqing, China

Tel: 0086-23-68604229 Fax: 68604229 P. C. : 400039

Chongqing Guangxia Drying Equipment & Engineering Co.

Add: 128# Shuangfeng Rd, Yubei Area, Chongqing, China

Tel: 0086-23-67823244, Fax: 67822860 P. C. : 401120

Baoji Pharmaceutical Machinery Works

Add: 21 Chuan Shan Rd. Baoji. Shaanxi, China

Tel: 0086-917-3312691 Fax: 3311653 P. C. : 721006

Baoji Jian Hua Pharmaceutical Machinery Co. Ltd

Add: No. 75 Jianhua Rd, Baoji, Shaanxi, China

Tel: 0086-917-3554670 Fax: 3554670 P. C. : 721001

单 位 名 称	通 讯 地 址	邮 编	电 话	传 真
北京制药机械设备厂	北京广渠门外大郊亭北站	100022	010-67716779	67721941
北京市中药机械厂	北京崇文区长巷头条 33 号	100051	010-65115345	65115343
北京市通大高技术公司	北京 142 信箱 403 分箱	100854	010-68388767	68388652
北京天民高科技开发公司	北京 9200 信箱 71 分箱	100076	010-68382704	68381851
北京弘华机电新技术公司	北京市 142 信箱 208 分箱	100854	010-68385234	68213632
北京航空工艺研究所	北京市 340 信箱技术开发处	100024	010-65797893	65762306
北京大松机械电子总公司	北京海淀区一亩园 118 号	100091	010-62882361	62881498
北京阳春汇科技发展有限公司	北京海淀区双泉堡 73 号	100085	010-62329131	62329131
北京市航天成机电设备厂	北京海淀区五棵松路 甲 56 号	100039	010-68182941	68182941
北京天利医药设备有限公司	北京朝阳区麦子店西路 3 号 新恒基国际大厦 311 室	100016	010-64671989	64671986
天津市中药机械厂	天津市西青区西青道 278 号	300380	022-27391201	27391201
天津市医疗器械研究所	天津市南开区红旗南路 237 号	300191	022-23363018	23365845
天津大学无线电厂	天津市南开区卫津路 92 号	300072	022-27404928	23350851
辽阳制药机械股份有限公司	辽宁省辽阳市胜利路 一段二号	111000	0419-2126337	2126413
锦州欧仕包装机械有限公司	辽宁省锦州市重庆路 63 号	121001	0416-4167750	4168359
丹东金丸公司	丹东市振安区哈蟆塘大街 559 号	118003	0415-4151322	4151380

单 位 名 称	通 讯 地 址	邮 编	电 话	传 真
哈尔滨飞机制造公司	哈尔滨市平房区友协街 15 号	150066	0451-6501726	6502223
黑龙江迪尔制药机械有限公司	黑龙江省佳木斯市林海路 37 号	154007	0454-8782182	8782365
上海远东制药机械总厂	上海康定路 359 号	200040	021-62170175	62564739
上海天祥·健台制药机械有限公司	上海康定路 1380 号	200042	021-62583414	62583648
上海天和制药机械厂	上海崇明县陈家镇南首	202162	021-59431285	59432024
上海英华实业有限公司	上海市三门路 510 弄 8 号	200434	021-65366089	65444114
上海金桥喷雾干燥成套设备厂	上海浦东扬高路硬家浜 60 号	201206	021-58545772	58995886
上海三利制药装备技术公司	上海市延安西路 900 号 301 室	200052	021-62131812	62131812
上海新星制药机械厂	上海延昌路 561 弄 8 号 501 室	200072	021-56770079	56770079
上海房屋设备总公司 沪西工程处	上海市平塘路 168/185 号	200335	021-62394624	62394624
江苏瑰宝集团公司	江苏江阴祝塘镇人民路 58 号	214415	0510-6381271	6381242
苏州普滤得净化有限公司	苏州高技术开发区金山路 3 号	215011	0510-8255652	8256112
苏州工业园区华园机电有限公司	江苏苏州市南园路 8 号	215006	0512-5308737	5107028
海门永和机械有限公司	江苏海门棉种场 (海门港北首)	226114	0513-2292008	2292308

单 位 名 称	通 讯 地 址	邮 编	电 话	传 真
常州市一步干燥设备厂	江苏常州市焦溪镇	213116	0519-8902618	8902818
国营常熟制药机械厂	江苏省常熟市虞山北路 38号	215500	0520-2895982	2897000
江阴市冷冻干燥设备厂	江苏江阴市申港镇西街	214443	0510-6621481	6621001
温州方正企业集团公司	浙江省温州市飞霞南路 33号	325003	0577-8631349	8632224
温州市制药机械厂	温州市雪山路106号	325005	0577-8524295	8522123
浙江瑞安市制药机械厂	浙江省瑞安市沿江新村 20号	325200	0577-5623309	5622267
温州市制药设备厂	温州市黎明东路山下后巷	325003	0577-8317378	8362420
江南包装机械有限公司	浙江瑞安市红旗工业区	325200	0577-5663701	5663983
瑞安飞云机械实业公司	瑞安东山开发区 (东山邮局对面)	325200	0577-5603082	5603083
温州市中药机械厂	温州永中中河路河东新村 15号	325024	0577-6371414	6876357
温州亚光机械制造有限公司	温州市永中镇沧河西路 99号	325024	0577-6372550	6373389
新华制药股份有限公司机械厂	山东淄博张店新华街25号	255005	0533-2185538	3286157
山东新华医疗器械集团 有限公司	山东淄博市张店区洪沟路 2号	255027	0533-2184349	2184349
山东省蓬莱制药机械厂	山东蓬莱市马格庄镇	265609	0535-5971223	5971223
河南省周口制药机械厂	河南周口市八一路北段 180号	466001	0394-8223481	8232737

单 位 名 称	通 讯 地 址	邮 编	电 话	传 真
武汉制药机械厂	武汉市武昌区红巷9号	430061	027-8844815	8874935
武汉医疗器械厂	武汉市武昌区三角路新村 1号	430062	027-6811250	6811258
中南制药机械一厂	湖南祁阳县浯溪镇天马路 1号	426100	0746-3222388	3222617
中南制药机械二厂	湖南长沙市河西咸嘉湖	410013	0731-8809536	8809250
广东省惠阳机械厂	广东省惠州市下角中路 26号	516001	0752-2227000	2241409
重庆制药机械厂	重庆市沙坪坝正街35号	400030	023-65312352	65315646
四川长征制药股份有限公司 制药机械分厂	四川乐山市柏杨路120号	614006	0833-2440059	2440059
重庆精工制药机械 有限责任公司	重庆渝州路50号 科创楼6-2#	630039	023-68604229	68604229
重庆广厦干燥设备工程公司	重庆渝北区双凤路128号	401120	023-67823244	67822860
宝鸡制药机械厂	陕西省宝鸡市川陕路21号	721006	0917-3312691	3311653
宝鸡建华制药机械有限公司	陕西省宝鸡市建华路75号	721001	0917-3554670	3554670

POSTSCRIPT

《A Handbook of Chinese Pharmaceutical Machinery & Equipment for Export》is organized by Department of International Cooperation, the State Pharmaceutical Administration of China (SPAC) and edited by the China Association for Pharmaceutical Equipment under the requirement of "Promotion of Cooperation Partnership Among Selected Developing Countries in Pharmaceutical Industry" (US/UT/RAS/97/138), a joint project between UNIDO and SPAC, to make people a better understanding of Chinese pharmaceutical machinery and equipment and enhance the cooperation between developing countries.

The Handbook is in the format of product specification to provide easy and quick search for product name, model, application, working mechanism, main technical data, fitted motor, overall dimensions etc.

All products listed within over one hundred pages of the Handbook are classified and listed in line with "Terms of Pharmaceutical Machinery" under China National Standard GB/T15692.1~9-95, including machinery and equipment for bulk pharmaceuticals, preparation machinery, pharmaceutical milling machinery, pharmaceutical pulverizing machinery, water treatment equipment for pharmaceutical use, pharmaceutical packaging machinery, medicine detecting instrument and others.

The Handbook gathered products with the features of Chinese characteristics, high efficiency and energy-saving, technical advanced and incorporated electricity, optics and mechanics either single unit or automatic line. The unit system applied in the Handbook complies with China National Standard GB 3100~3102-92.

The models listed in the Handbook are only typical specifications, other more specifications are set in the last item: "Other Specifications" owing to space limitation. The color pictures in the handbook are product photos, which is good reference to help understanding the content in the specifications and to see the appearance of products.

The appendix I, for contact needs, is a directory of major manufacturers of pharmaceutical machinery & equipment.

Many thanks should go to all those who have helped us to build this handbook. Particulaly, thanks to major editors; Zhang Rihua, Shi Qing, Gao Chuan; editors; Fu Xinan, Wu Chunlin, Zhu Dalin, Qian Changsheng, Li Yurong, Luo Yuling and Yuan Mingya, and thanks to Huang Jiye, Chang Wenzuo, Chen Xingyu Liu Ai who made contributions to this handbook; thanks to Zhu Yingfa, Yuan Junan Xue Yiming Zhang Bin, Yuan Mingya and Ma Jingbo reviewed the English version of the handbook.

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编 者 的 话

《中国制药装备出口产品手册》(以下简称手册),是根据联合国工业发展组织(UNIDO)与国家医药管理局的合作项目—“推动发展中国家制药工业及装备合作研讨会”(US/UT/RAS/97/138)的要求,由国家医药管理局国际合作司组织,中国制药装备行业协会承办编辑而成,以便于人们更好了解中国制药装备的品种、水平,增进发展中国家的合作。

“手册”以产品介绍表的形式,便捷查找所需要的产品名称、型号规格、用途、工作原理、主要技术参数、配套电机、外型尺寸等。

按照中国国家标准 GB/T15692. 1~9—1995《制药机械名词术语》,对 100 多页的产品介绍表,加以分类排序。有原料药设备及机械、制剂机械、药用粉碎机械、饮片(中药)机械、制药用水设备、药品包装机械、药物检测设备和其他制药机械及设备共八大类产品。

“手册”中,收集了具有中国特色的产品、高效节能的产品、国际先进水平的产品、机电光一体化的产品、符合 GMP 要求的产品等等,既有先进的单机,也有全自动化生产线。

产品介绍表,尽量采用中国国家 GB3100~3102-92 标准《量和单位》规定的计量单位。

由于版面、篇幅所限,产品介绍表的产品型号中,所列出的规格,是典型举例的规格。还有大量的规格,录入该表的最后一项“其他规格”栏内。

为替代产品样本,彩色插页附有该公司产品照片,可对照(配

合)产品介绍表中的产品型号规格,达到既方便看出表中内容,又可明快分析插页中设备外观照片;

为便于需方(制药厂)与供方(中国的部分制造厂)联系,“手册”提供了附录一:中国部分制药机械厂通讯录。

“手册”得到了有关领导、会员单位的鼎力相助,并请张日华、石青、高川先生担任主要编审;傅新安、吴春林、朱大林、钱长生、李玉荣、骆玉伶和袁明亚等女士/先生担任编辑;特邀朱英发、原俊安、薛以明、张斌、袁明亚和马京波女士/先生为英文核稿,他们在百忙中,拨冗惠予支持,借“手册”面世之际,致以衷心谢意。

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中国制药装备行业协会
一九九八年五月 北京