



**TOGETHER**  
*for a sustainable future*

## OCCASION

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*for a sustainable future*

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# BRUGGI

Costruzioni Meccaniche

s.a.s. di BRUGGI MARIO & C.



27029 VIGEVANO (Italy) - Corso Torino, 114 - Telefono (pref. 0381) 329650 - Fax (0381) 329619

Trib. Vigevano Reg. Soc. n. 1871  
Cod. Fisc. e P. IVA 00185540184  
C.C.I.A.A. PAVIA 120174  
C.C.P. 326910  
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21158

## FINAL REPORT

This final report comprehends all the phases concerning the contract 93/001 DG/IND/90/D40.

Our company, with an experience of over 40 (fourthy) years of activity in machinery production for shoes components, as soles, heels, insoles, welts; has considered to be able to meet UNIDO's requirements for the creation of a know-how to manufacture machine's prototypes for shoes components. The decision to grant the know-how has been seriously valued on the ground of our similar experiences made in the past on other countries as:

- A) Brasil
- B) Mexico.

Our technical staff employed in this operation gave us the guarantee to obtain a good success of the agreement between Unido & our company, to grant the know-how for the production of the following prototypes:

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PAG. NR. 2

- BRU 401
- BRU 401/B
- BRU 401/C
- BRU 402
- BRU 403.

The country, marked out from Unido to obtain the know-how, has been India, for the following reasons:

- leather and industries which use this material have got an important position into the Indian economy.

Following a lot of studies made by Indian Governement, as by international organizations, it's possible to identify different problems which need an urgent solution. Among these ones, there was also the problem to envelope companies which produce components for the shoe industry.

In Madras there is the main branch of :

P.D.T.C.

PROTOTYPE AND DEVELOPMENT TRAINING CENTRE

a company well equipped with machineries and mechanical equip -

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Telegrammi Bruggi: sas

M PV 003240

PAG. NR. 3

ments for the envelopment of prototypes with an already acquired experience following to the cooperation with european producers.

Our company has signed Mr. Risso Gianni, our responsible for international services, to follow the agreements between us and UNIDO, until the positive conclusion of the operation.

On 29/09/1992 our company has received the visit of Mr. M.Sairam Director of P.D.T.C. Madras, and our resposanbles have worked with:

- |                      |   |
|----------------------|---|
| - Dr. Ferenc Schmel  | UNIDO - Vienna                                    |
| - Mr. Murthy         | Joint Secretary Govt.of India                     |
| - Mr. A.Sahasranaman | Manager of National Leather Sector Programme-UNDP |
| - Mr. M.Sairam       | Director P.D.T.C. Madras                          |

wich have explained to our Mr. Risso Gianni the programme & the terms for the offer of assignement of know-how for the production of prototypes by P.D.T.C.

Our Company has seriously considered the request and has studied a clear and detailed offer on the base of all the conditions and fixing as result the positive conclusion of the prototype's con-

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M PV 00324C

PAG. NR. 4

struction and their perfect operativity.

Our offer has been accepted and Unido has issued the contract nr 93/001 DG/IND/90/D40 signed on 10/02/1993 from Unido ( Director Mr. D. Gardelliv) and on 19/02/1993 from Bruggi S.A.S. (Director Mr. Risso Gianni) for a total amount of USA\$ 126125=

Following the contract conditions the work is started as above :

- delivery to P.D.T.C. of all construction drawings of each machine
- delivery to P.D.T.C. of drawings concerning all the particulars of each machine
- delivery to P.D.T.C. of the base distints of each machine
- delivery to P.D.T.C. of catalogues containing instructions for the machine use and spare parts manual.

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M PV 003240

PAG. NR. 5

After, samples of all the parts of the machines object of the contract signed have been shipped to P.D.T.C.

P.D.T.C., after receiving the complete documentation and samples of parts, has started the prototypes' production.

The contract between our company and P.D.T.C. has been continue and our company Bruggi SAS has always answered to all their requests concerning technical and any other information.

During 1994 and in particular in February, Mr. Risso Gianni has visited P.D.T.C. to assure our company about the situation of work, giving suggestions to solve some inconveniences born until that moment. During his visit our responsible has been able to confirm that P.D.T.C. was making all the mechanical parts necessary to produce the prototypes in the best way possible.

ON 25/3/93 Mr. Risso Gianni has been invited to the main Branch

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Telegrammi Bruggisas

M PV 003240

PAC.NR.6

of Unido in Vienna to meet Dr. Schme! and Mr. Saharanaman to discuss an emendament to the contract 93/001 DG/IND/90/D40.

This emendament A) of USA\$ 23875 has been signed on 17/5/93 concerning the following machines:

- BRU 500
- BRU 600.

During March '94, our technician Mr. Dianin Alessio has visited P.D.T.C. in Madras to check the parts already made and the situation of the work.

During June '94, we have received the visit of a few delegates of P.D.T.C. which are staid in Vigevano for 15 (fifteen) days to receive all the technical information to make the prototypes.

On 23/9/94 our technician Mr. Dianin Alessio has visited P.D.T.C in Madras to assist the assembling of the prototypes of the following machines:

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Telegrammi Bruggisas

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PAG. NR. 7

- BRU 401
- BRU 401/B
- BRU 401/C
- BRU 402
- BRU 403
- BRU 500
- BRU 600.

The work is finished on 5/3/94 and with full satisfaction on the partners of the contract which have tested the prototypes either without or with the materials on the machines. A document has been signed for acceptance to declare the conclusion of the work (copy enclosed).

Our technician, during the assembling phase, has been able to give to the indian technicians of P.D.T.C. all the suggestions necessary to obtain the maximum result from their work.

P.D.T.C. technicians have answered positively to our needs, cooperating in the best way possible to obtain the final result as contract 93/001 DG/IND/90/D40.



# BRUGGI

Costruzioni Meccaniche

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Trib. Vigevano Reg. Soc. n. 1871

Cod. Fisc. e P. IVA 00185540184

C.C.I.A.A. PAVIA 120174

C.C.P. 326910

Telex: 335683 BRUGGI I

Telegrammi Bruggisas

M PV 003243

PAG.NR.8

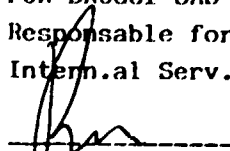
Our company, after this really positive result obtained, is at complete disposal for further requests, concerning either know how of furnishing of shoe machineries.

After having made the prototypes and testing their operativity all the machines have been presented to the interested customers.

The promotions effected have been the following one:

- Madras Exhibition 10° IILF '95 with the presentation of the prototypes built by P.D.T.C.
- Advertising paper (copy enclosed).
- Articles on the local papers (copy enclosed).

FOR BRUGGI SAS  
Responsible for  
Intern.al Serv.



---

(Rizzo Gianni)

# BRUGGI

S.A.S. DI BRUGGI MARIO & C.

27029 VIGEVANO (ITALY) - CORSO TORINO 114

TELEFONO : 0381/329650 - FAX : 0381/329619 - TELEX : 335683 BRUGGI I

TR. VIGEVANO REG. SO. N. 187  
COD. FISC. E. P. IVA 00183540184  
C.C.I.A.A. PAVIA 120174  
C.C.P. 328910  
TELEGRAMMI: BRUGGSIAS  
MLPV003248

Ns.rif. RG/AB.

Vs.rif.

MADRAS, 05-10-1994

M/S

PROTOTYPE DEVELOPMENT & TRAINING CENTRE

SECTOR B 24

GUINDY INDUSTRIAL ESTATE

EKKADUTHANCAL P.O.

MADRAS - 600 097 - INDIA

and for knowledge:

UNIDO - VIENNA - AUSTRIA

and

N.L.D.P. - MADRAS - INDIA

REF: CONTRACT NO.93/001 DG/IND/90-D40.

SUBJECT: FINAL REPORT.

THIS IS THE DOCUMENT WHICH CONFIRMS THAT THE ASSEMBLING OF THE MACHINES:

- MODEL "BRU-401"
- MODEL "BRU-401/B"
- MODEL "BRU-401/C"
- MODEL "BRU-402"
- MODEL "BRU-403"
- MODEL "BRU-500"
- MODEL "BRU-600"

SUBJECT OF THE CONTRACT NO.93/001 DG/IND/90-D40 HAS BEEN CLOSED WITH FULL SATISFACTION FOR THE PARTIES.

THE BEGINNING OF THE WORK IS HAPPENED IN MADRAS NEAR "P.D.T.C." ON AND THE WORK HAS BEEN CLOSED WITH THE TESTING OF THE MACHINES ON

AT THE ASSEMBLING THE FOLLOWING PEOPLE HAVE TAKEN PART:

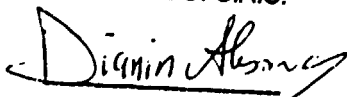
23-09-1994  
05-10-1994

A)- FOR "BRUGGI S.A.S." MR. DIANIN ALESSIO

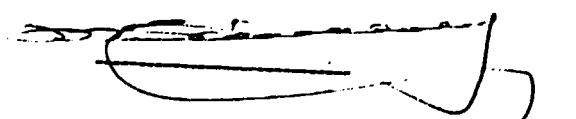
B)- FOR "P.D.T.C." MR.

DR. SAIRANT.

FOR "BRUGGI S.A.S."

  
(DIANIN ALESSIO)

FOR "P.D.T.C."

  
5/10/94



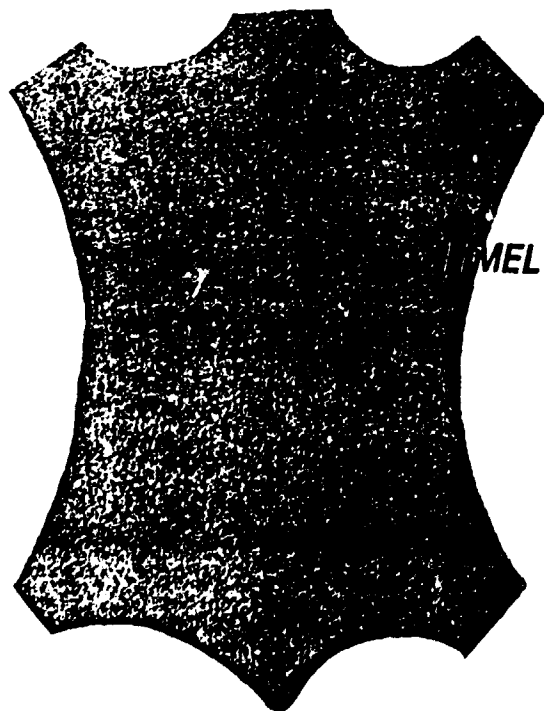
UNFOLDING THE  
FACTS OF



# LEATHER MACHINES

AT

*COMPETITIVE PRICE*



AND

*TIMELY DELIVERY*

Fax No: 091-044-2344812

## UNIT SOLE MAKING LINE (IN COLLABORATION WITH BRUGGI - ITALY)

### OPERATION

This machine is designed for different types of ornamenting and grooving operation on leather sole.

### PRODUCTION

2000 pairs per hour.

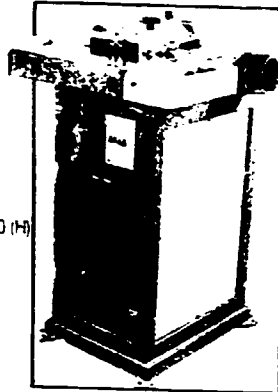
### MACHINE SPECIFICATIONS

Pneumatic operating Pressure: 6 Kg/cm<sup>2</sup>  
 Overall Dimensions: 550 x 550 x 1400 (H)  
 Motor Power: 0.5 HP  
 Net weight: 70 Kg

### SPECIAL FEATURES

1. Provided with Dutch motor.
2. No other Indian Manufacturer.

### EDGE PRE-TRIMMING MACHINE - M 430



### OPERATION

This machine is used for roughing the leather sole and heel seat for efficient cementing. It is pneumatically operated and has efficient exhausts.

### PRODUCTION

4000 pairs in 8 hours.

### SPECIAL FEATURE

No other Indian Manufacturers

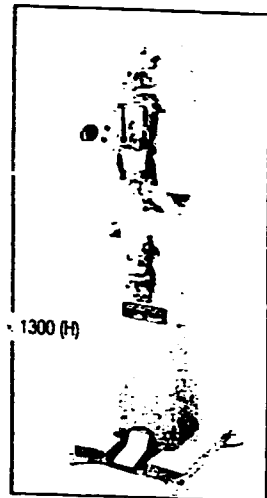
### MACHINE SPECIFICATIONS

Pneumatic operating Pressure: 6 Kg/cm<sup>2</sup>  
 Overall Dimensions: 630 x 700 x 1300 (H)  
 Power: 3 H.P.  
 Net Weight: 210 Kg

### SPECIAL FEATURES

1. Imported technology.
2. No other Indian manufacturer.
3. Inbuilt dust exhaust system.
4. Heel seat roughing attachment.
5. Pneumatic control.
5. Multi tool cutting provides efficient adhesion property.

### SOLE GROOVING & ORNAMENTING MACHINE - M 440



### OPERATION

This machine is used for trimming of leather sole, heel and Jordan type trimming operation. It has efficient exhaust system.

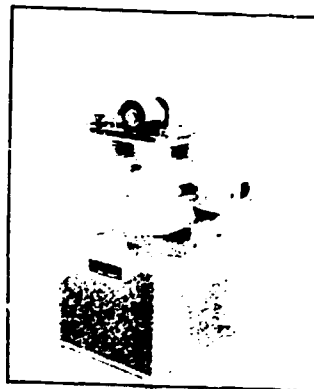
### PRODUCTION

4000 Pairs in 8 hours.

### MACHINE SPECIFICATIONS

Overall Dimensions: 400 x 550 x 1100 (H)  
 Motor Power: 1.5 H.P.  
 Net Weight: 105 Kg

### SOLE ROUGHING & HEEL SEAT - M 450



### SPECIAL FEATURES

1. Imported technology.
2. Imported cutters.
3. No other Indian manufacturer.
4. Jordan type shaving attachment.
5. Heel trimming attachment.
6. Inbuilt dust exhaust system.

### OPERATION

This machine is used for attaching the welt to the shoe. It is electro pneumatically operated. It has 200 rpm and speed can be varied.

### PRODUCTION

150 pairs per hour.

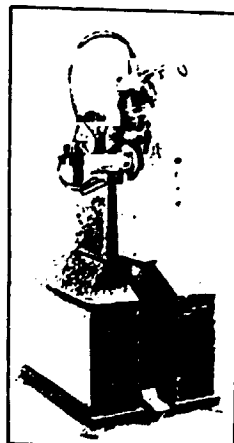
### MACHINE SPECIFICATIONS

Pneumatic operating Pressure: 6 Kg/cm<sup>2</sup>  
 Overall Dimensions: 750 x 850 x 1150 (H)  
 Power: 140 W  
 Net Weight: 245 Kg

### SPECIAL FEATURES:

1. Imported technology.
2. No other Indian manufacturer.
3. Imported drive motor (Two Nos)
4. Imported gear box (Two Nos)
5. Semi-automatic welt cutting to size.
6. Electronic control for variable drive.

### WELT ATTACHING MACHINE - M 460



### OPERATION

This is high productive machine, has the electro pneumatically operated with precise setting for heel cupping.

### PRODUCTION

1500 Pairs in 8 hours (Single Operation)

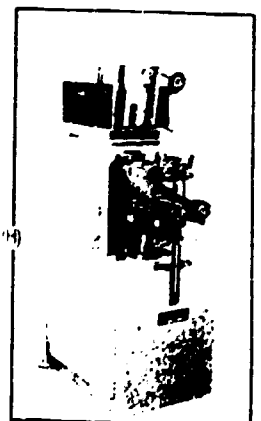
### MACHINE SPECIFICATIONS

Pneumatic operating Pressure: 6 Kg/cm<sup>2</sup>  
 Overall Dimensions: 650 x 300 x 1100 (H)  
 Power: 2 H.P.  
 Net Weight: 250 Kg

### SPECIAL FEATURES

1. Imported technology.
2. No other Indian manufacturer.
3. Imported cutter.
4. Semi-automatic (heel) work clamping & feed movement.
5. Reversing movement arrangement for Emergency.

### HEELS CUPPING MACHINE - M 470





# PROTOTYPE CENTRE

MADRAS

## SERVICES OFFERED



### MACHINES AVAILABLE FOR SALE AND ALSO FOR TECHNOLOGY TRANSFER R & D DIVISION

### HRD DIVISION

### SERVICE DIVISION

1. Ironing & Embossing m/c
2. 8 Gun Rotary Spray
3. Lightning Buffing
4. Skiving Machine
5. Hydraulic Clicker
6. Autopunch & Eyeletting
7. Sole Splitting
8. Die Sharpener
9. Swing Arm Clicker
10. Swing Arm Clicker Export Qty.)
11. Strap Cutting Machine (Manual)
12. Hy. Duty Strap Cutting Machine
13. Beam Cutting Press
14. Staking Machine
15. Seam Rubbing Tool
16. Lasting Jack
17. **Tool Kits:**
  - A. Cobbler's
  - B. Flayer's
  - C. Leather's Goods

1. Leather Goods Maker
  2. Manufacture of Footwear
  3. Adv. Course in Footwear
  4. Short Term Course in
    - a) Footwear (Men)
    - b) Footwear Upper (Women)
    - c) Leather Finishing
  5. Tailor - Made Training
  6. Clicking Die Making
- Engineering & Other Sectors
1. Leather Maintenance M/c
  2. Turner (Ex. ITI App.)
  3. Machinist (Ex. ITI App.)
  4. D/man (Mech) (Ex. ITI. App.)
  5. Electrician (Ex. ITI. App.)
  6. Welder (Ex. ITI. App.)
  7. Electrical Maintenance
  8. Hydraulics and pneumatics
  9. CAD Module I, II & III
  10. HRD Workshop on Demand
  11. ISO 9000 Quality Systems

### Leather Processing, Footwear Manufacture and Leather Products Manufacture

1. Sammying
2. Splitting
3. Shaving
4. Drumming with Computerises
5. Process Control System
6. Setting
7. Staking
8. Buffing & Dedusting
9. Autospray
10. Hot Plating and Embossing
11. Ironing
12. Measuring
13. Clicking
14. Strap Cutting
15. Skiving
16. Sole Splitting
17. Scouring
18. Lasting, Bottom Making & Finishing

### Machines Developed Under UNDP

1. Sole Edge Trimming M/g
2. Sole Grooving M/c
3. Sole Roughing Machine
4. Welt Attaching Machine
5. Heels Cupping Machine

### Engineering:

1. Horizontal Boring M/c
2. Milling Machine
3. Grinding Machine
4. Dynamic Balancing M/c
5. Clicking Die Manufacture
6. CNC Turning Machine

### THE PROTOTYPE DEVELOPMENT & TRAINING CENTRE

National Small Industries Corporation Ltd.,  
(A Govt. of India Enterprise)

Sector B-24, guindy Industrial Estate,  
Ekkaduthangal

MADRAS 600 097

Telephone : 2342335, 2343534, 2342336, 2342338

Telex : 041-26062

Fax : 044-2344812

Telegram : PROTOTYPE

### HEAD OFFICE

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NSIC Bhawan, Okhla Industrial Estate, New Delhi-110020

Telephones : +91-11-6849129, 6837071, 6834840, 6834697

Telex 031-75131, Telegram SMALCORP

Fax No : +91-11-6837669, +91-11-6848218

TUESDAY JANUARY 31 1995

## P.D.T.C. A PROFILE

The Prototype Development and Training Centre, (PDTC), Madras, is poised for a big leap in developing footwear machines using the latest technology under the direct assistance of United Nations Development Programme (UNDP)

It is expected that the first of these machines will be displayed by the private sector units, based on the technology transferred to them by PDTC, under NLDP Leather Umbrella Project, in IILF '95.

Bruggi of Italy, leaders in this line collaborated with PDTC to develop these machines in record time.

Mr. P. K. Biswas, who recently took over as general manager, PDTC, is an acknowledged expert in CNC technology, ISO 9000, Total Quality Management as well as management information Systems. He is assisted by Mr. G.

Jayaseelan, additional director. This highly motivated team has drawn up work schedules and introduced latest concepts in training methods, including the recent launching of newly formed NSIC Quality Society and also holds seminars on ISO 9000 quality system. Total quality management and other relevant requirements of the customers have also been dealt with seriously by this team.

PDTC-Madras, with an excellent infrastructure, is an ideal setup for the whole leather sector. PDTC is properly equipped with training and R&D infrastructure supported with common servicing facility. All the services are available at very reasonable rates as PDTC is basically a service oriented institution committed to customer satisfaction. Training courses are varied and numerous including long-term and short-term courses in leather as well as in engineering sector. There are dedicated instructors.

### Production Division

- To bring the centre to self-sufficiency level, by improving the work environment and productivity.

- To provide effective and quality related, productive system in the desired area.

PDTC Madras, is committed to meeting today's and tomorrow's business challenges, with a missionary zeal with a specific role to work as a change agent and to support the industry in bringing about a qualitative change in work culture to provide greater value for price to the manufacturers, the customer, and the society, as a whole.