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23696



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MYUNG-IL FOAMTEC

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PROGRESS REPORT 2

REF NO.: MI090921UN
DATE : SEP 21, 2009

1. Contract No. & Date : 16001678 & NOV 14, 2008
 UNIDO PROJECT NOS. : MP/YUG/05/005, MP/YUG/05/006

2. TO : UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION
 (UNIDO)
 Wagramer Strasse 5, A-1400 Vienna, Austria

2-1 Applicant : LAMINAT DOO
 BAJINA BASTA, REPUBLIC OF SERBIA
 TEL : +381-65-550-6924~5

3. BENEFICIARY : MYUNG-IL FOAMTEC
 (=SELLER/EXPORTER) 927-3, WEOLAM-DONG DALSEO-GU, DAEGU, KOREA
 TEL : 82-53-5823911

4. DESCRIPTION OF GOODS AND/OR SERVICES
 1- PS FOAM SHEET EXTRUSION LINE 1 LINE
 MODEL MI-PS 115-150
 -1-5MM THICKNESS
 -5MM THICKNESS X 1200MM WIDTH
 -270-350KG/HR (APPROX)
 -INCLUDED
 1) LOW PRESSURE PUMP : 2 SETS
 2) 5 STATION MATERIAL FEEDER : 1 SET

We, on behalf of UNIDO., certify that the above Goods Description referenced in the above Conctrac was properly installed and commissioned under correct performing and functioning.

Therefore we are hereby, issuing this Acceptance Certificate.

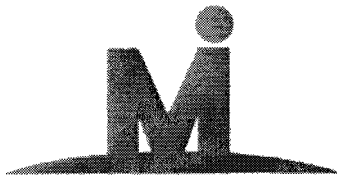
Commissioning and start-up of the equipment at the Project site, on-the-job training of personnel And testing results.

APPLICANT (=THE BUYER)
LAMINAT DOO



BENEFICIARY (=SELLER/EXPORTER)
MYUNG-IL FOAMTEC

UNIDO



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CERTIFICATE OF ACCEPTANCE

REF NO.: MI090921UN-1

DATE : SEP 21, 2009

1. Contract No. & Date : 16001678 & NOV 14, 2008
 UNIDO PROJECT NOS. : MP/YUG/05/005, MP/YUG/05/006
 2. TO : UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION
 (UNIDO)
 Wagramer Strasse 5, A-1400 Vienna, Austria
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4. DESCRIPTION OF GOODS AND/OR SERVICES

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 1) LOW PRESSURE PUMP : 2 SETS
 2) 5 STATION MATERIAL FEEDER : 1 SET

The results of the trials and test runs successfully conducted under this paragraph, together with a Statement indicating whether or not the Equipment was proven in the Performance tests to have achieved the requirements of paragraph 3.08 and sub-paragraph a) above, shall be certified by the authorized representatives of the Contractor, UNIDO and Project Counterpart in the Certificate of Acceptance.



APPLICANT (=THE BUYER)
 LAMINAT DOO

BENEFICIARY (=SELLER/Contractor)
 MYUNG-IL FOAMTEC

Ciklopak inženjering
Machine: PS FOAM SHEET EXTRUSION LINE
Machine producer: Myung-II Foamtec
Machine type: MI-PS 115-150

COMMISSIONING REPORT

BASIC INFORMATION ABOUT THE PROJECT:	
Name of the project:	UNIDO Project MP/YUG/05/005 and MP/YUG/06/005
Description of the project:	Foam component of MCPP implementation program The phase-out of CFC-11 in the manufacture of extruded polystyrene foam through the use of n-butane as a blowing agent at Laminat DOO
Final customer:	Laminat DOO, Serbia
Address of the site implementation:	Laminat DOO, Bajina Bašta, Serbia
Contact:	Owner: Mr. Milenko Kovacevic, Phone: +381 65 550 6924 E-mail: contprom@eunet.yu
Date of commissioning:	07.10.2009.

BASIC INFORMATION ABOUT THE MACHINE:	
Machine:	PS FOAM SHEET EXTRUSION LINE
Machine type:	MI-PS 115-150
Producer:	Myung-II Foamtec, Korea
Contact:	927-3, Weolam-dong, Dalseo-gu, Daegu 704-833 Korea 82-53-5863911 Mr Sung-Han Lee, Sales Manager E-mail: mvungil@chol.com
Serial nr:	09004
Year of production:	2009.
Warranty valid to:	2010.

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-Il Foamtec

Machine type: MI-PS 115-150

1 TRANSPORTATION

General:

Arrival date of the machine:	
Inspection date and location:	

Damages:

Packing list:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, missing items:
Machine:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, what kind of:
Package:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, what kind of:
Accessories:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, what kind of:
Spare parts + tools:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, what kind of:

Actions taken in response to damages:

Photographed:	<input type="checkbox"/> no <input type="checkbox"/> yes, date:
Reported to the transportation company:	<input type="checkbox"/> no <input type="checkbox"/> yes, to whom: date:
Reported to the supplier:	<input type="checkbox"/> no <input type="checkbox"/> yes, to whom: date:
Reported to the insurance company:	<input type="checkbox"/> no <input type="checkbox"/> yes, to whom: date:

Method of transportation:

<input type="checkbox"/> Railway <input type="checkbox"/> Airfreight <input type="checkbox"/> Truck <input type="checkbox"/> Mail <input type="checkbox"/> Shipped by M/S <input checked="" type="checkbox"/> Other: <i>boat</i>
--

Comments:

Ciklopak inženjering

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-Il Foamtec

Machine type: MI-PS 115-150

2 STORAGE

General:

Storage:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes. begin: end:
Storage time longer than 6 months:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes

Storage place:

N/A	<input type="checkbox"/> indoors <input type="checkbox"/> outdoors
N/A	<input type="checkbox"/> in packing case <input type="checkbox"/> protected by a waterproof cover

Comments:

In agreement of supplier and receiver, machine put at the final place

Ciklopak inženjering
Machine: PS FOAM SHEET EXTRUSION LINE
Machine producer: Myung-II Foamtec
Machine type: MI-PS 115-150

3 MACHINE MAIN PARTS

Presence of main components:

5 STATION MATERIAL FEEDER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
1st EXTRUSION UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
GAS METERING PUMP UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
CONNECTION PIPE CROSS & SCREEN CHANGER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
2nd EXTRUSION UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
FOAM DIES UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
AIR RING & MANDREL UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
HAUL-OFF UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
WINDER UNIT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
AUTO CONTROL PANEL	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes

Comments:

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

4 UTILITIES CHECK

Electrical power (380V)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
Installed el. energy (305kW)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
Compressed air (10kg/cm ²)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
Chilled water (53.000kcal/h)	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes
Iso-butane (p=2bar, Q<80kg/h)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes

Comments:

Chilled water to be added later

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

5 DETAIL CHECK OF EACH UNIT

A. 5 STATION MATERIAL FEEDER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) FEEDING CAPACITY OF MATERIAL	MAX. 350Kg/hr	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
2 STATION FOR GPPS, 3 STATION FOR ADDITIVE M/B		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) FEEDING METHOD OF MATERIAL	BY AUTO LOADER FOR 2 STATION	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
c) HOPPER TYPE	CONICAL TYPE	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
d) MATERIAL OF HOPPER	SUS 304	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
e) DRIVING MOTOR	5HP X 4P	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
B. 1st EXTRUDER UNIT		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) GEAR BOX		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- TYPE	NON STEP HELICAL GEAR	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	BOX: FC30, GEAR: SNCM21 (HEAT TREAT)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
	SPECIALLY TOOTH-POLISHING	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MOTOR	125HP X 4P X 1 SET (SPEED CONTROL)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) CYLINDER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DIAMETER	Ø115 X Ø185	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	SACM645(Hs-90)NITRIDING-TREAT.	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING ZONE	5 ZONES	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING METHOD	BY CASTING AL & BAND HEATER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- COOLING	BLOWER FAN TYPE	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
c) SCREW		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DIAMETER	Ø115 (L/D - 32 :1)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	SACM645	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- COMPRESSION RATE	3 : 1	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- REVOLUTION	0 - 90rpm/min	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
C. GAS METERING PUMP UNIT		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- TYPE	PLUNGER TYPE (2 STATION)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DISCHARGE PRESSURE	250kg/cm ² (G-MAX)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- ADJUSTING DISCHARGE	BY INVERTER CONTROL	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- PRESSURE GAUGE	0 - 500Kg/cm ²	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- STROKE CONTROL	MANUAL TYPE	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- PUMP DRIVE MOTOR	3HP X 4P	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
D. CONNECTION PIPE & SCREEN CHANGER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) SCREEN CHANGER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- TYPE	HYDRAULIC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	SCM4 & FCD	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING	FLAT HEATER(Heating Zone : 1 Zone)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) CROSS HEAD		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	S45C STEEL	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING METHOD	BY BAND HEATER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
c) CONNECTED PIPE		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

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- INSIDE DIA	Ø 40 M/M	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING METHOD	BY BAND HEATER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING ZONE	2 ZONES	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
E. 2nd EXTRUDER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) GEAR BOX		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- TYPE	NON STEP HELICAL GEAR	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	BOX : FC 30	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
	GEAR: SNCM21 (SPECIALLY TOOTH-POLISHING HEAT-TREAT)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MOTOR	100HP X 6P (SPEED CONTROL)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) CYLINDER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DIAMETER	Ø 150D X 220D	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	SACM645(Hs-90)NITRIDING TREAT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING ZONE	6 ZONES	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATING METHOD	BY CASTING AL & BAND HEATER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- COOLING	WATER CIRCULATING IN HEATERS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
c) SCREW		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DIAMETER	Ø 150(L/D-31:1)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- REVOLUTION	0 - 30rpm	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- COMPRESSION RATE	3 : 1	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	SACM645	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
F. FOAM DIES		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) TYPE	INFLATION TYPE	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) THICK CONTROL	BY SCREW	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
c) DIE LIP DIAMETER	DEPEND ON SHEET WIDTH & THICKNESS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
d) MATERIAL	SCM4 VACUUM HEAT TREAT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
e) HEATING	BY BAND HEATER X 3KW	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
f) HEATING ZONE	1 ZONE	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
g) RESIN PRESSURE	0 500Kg/cm ² X 1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
h) RESIN TEMPERATURE	THERMO SENSOR	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
i) DIES HEAD		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	SKD11+SCM4	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HEATER	BAND HEATER (4KW)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
G. AIR RING & MANDREL		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) AIR RING		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	CASTING ALUMINIUM	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- AIR BLOWING	BY BLOWER FOR SHEET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- FAN MOTOR	3 HP	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) MANDREL		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	ALUMINIUM	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- ROLL LENGTH	1200mm	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- COOLING	BY WATER CIRCULATION & AIR FAN	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- OPENING CUT METHOD	BY KNIFE CUTTER	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
MANDREL		
H. HAUL-OFF UNIT		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- ROLL DIAMETER	Ø600 X 1400M/M X 2 SETS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MATERIAL	STPG H-cr PLATED	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DRIVING MOTOR	2.2kw X 4P	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- ELECTRO STATIC REDUCER	2 SETS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
I. WINDER UNIT		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- QUANTITY	1200mm×1 SHEET TYPE 1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

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- FIXED ARM TYPE	2 SHAFTS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- WINDING WEIGHT	MAX. 80Kgs	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- TORQUE MOTOR	100Kg/cm ² X 2 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- TENSION	50Kg/M	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- WINDING DIA	MAX. Ø1000M/M	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
J. AUTO CONTROL PANEL		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
a) FOR TEMPERATURE CONTROL	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- 1st EXTRUDER	5 POINTS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- SCREEN CHANGER	1 POINT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- CONNECTING PIPE	1 POINT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- 2nd EXTRUDER	6 POINTS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DIES	1 POINT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- DIES HEAD	1 POINT	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
b) FOR DRIVE MOTOR CONTROL	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- MOTOR FOR EXTRUDER		<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- HAUL OFF MACHINE & WINDER	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes

Comments:

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

6 TEST RUN**6.1 First start**

Are there abnormal noises?	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes. from:
Other visible problems:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes. from:
Running:	<input checked="" type="checkbox"/> machine run OK <input type="checkbox"/> operation stops, why:

Comments:
Observations:

MATERIAL USED FOR TEST TRIALS:

General purpose polystyrene (type, producer, quantity)	Styron, Dow Chemicals, Belgium, 10t
Masterbatch (hydrocerol)	400kg

6.2 Second start (loaded machine)

SHEET THICKNESS	
LINE SPEED OF SHEET	
EXTRUSION OUTPUT	
1 st motor load (A)	116
Nr of rotations	65
2 nd motor load (A)	88
Nr of rotations	19

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

Are there abnormal noises?	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, from:
Other visible problems:	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, from:
Running:	<input checked="" type="checkbox"/> machine run OK <input type="checkbox"/> operation stops, why:

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

6.3 Third start (loaded machine)

SHEET THICKNESS	
LINE SPEED OF SHEET	
EXTRUSION OUTPUT	
1 st motor load (A)	
Nr of rotations	
2 nd motor load (A)	
Nr of rotations	
Are there abnormal noises?	<input type="checkbox"/> no <input type="checkbox"/> yes, from:
Other visible problems:	<input type="checkbox"/> no <input type="checkbox"/> yes, from:
Running:	<input type="checkbox"/> machine run OK <input type="checkbox"/> operation stops, why:

Comments:

Observations:

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

7. SPARE PARTS LIST CHECK

1. TOOL BOX	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
2. METERING GAS PUMP CONSUMPTION PARTS		
- BALL SEAT	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
- PLUNGER/PACKING	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
3. SCREEN CHANGER CLAMPING BOLT DISASSEMBLE	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
TOOL	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
4. AL CYLINDER HEATER	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
5. BAND HEATER	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
6. HEAD HEATER	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
7. DIES HEATER	2 PCS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
8. THERMO COUPLE	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
9. TEMPERATURE CONTROLLER 400 (CA)	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
10. 14 PIN RELAY	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
11. PBL ϕ 25 (220V)	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
12. SELECTOR S/W (25 ϕ)	2 PCS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
13. SOLENOIDE VALVE COIL	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
14. OCR(9A)	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
15. MAGNETIC S/W (9A)	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
16. NFB (30A)	2 PCS	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
17. S.S.R	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
18. MELT TEMP. COUPLE	1 SQM	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
19. STAINLESS MESH	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
20. GAS HOSE	18 M	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
21. GAS PIPE	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
22. MANDREL KNIFE	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
23. ANCHOR BOLT	2 BOX	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
24. CYLINDER PACKING	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
25. PLATE HEATER FOR CHANGER	1 PC	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
26. TORQUE PCB	1 SET	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
27. GAS PIPE JOINT NIPPLE	1 PC	
28. BRONZE KNIFE	1 PC	
29. GAS PUMP TOOL	1 PC	
30. CHECK VALVE FOR GAS PUMP ON EXTRUDER		

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

8 MACHINE APPROVAL

Machine approved for use		Date:
Commissioning done by:	(Myung-II Foamtec representative) Name and surname: <u>Kwon Kil Son</u>	(Ciklopak inženjering representative) Name and surname: <u>VUKOBRZAJSKI</u>
	Date: <u>09.10.09</u>	Date: <u>09.10.09</u>
	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Approved by:	(Laminat representative) Name and surname: <u>MILAN ĐEVIKO</u>	(UNIDO representative confirmation that equipment supplied as defined in TOR) Name and surname: <u>MILAN ĐEVIKO</u>
	Date: <u>09.10.2009</u>	Date: <u>09.10.2009</u>
	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
		(witnessed by NOU representative) Name and surname: <u>SONJA RUZIN</u>
		Date: <u>09.10.2009</u>
		Signature: <u>[Signature]</u>

Ciklopak inženjering

COMMISSIONING REPORT

Machine: PS FOAM SHEET EXTRUSION LINE

Machine producer: Myung-II Foamtec

Machine type: MI-PS 115-150

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9 APPENDICES

Original test sheets from the producer checked by producer's representative (technician) at the site