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<b>Company</b>	PETERPLAST SLOVAKIA S.R.O
<b>Address</b>	Slovakia
<b>Attention To</b>	Mr. Peter Harmanos
<b>Subject</b>	SUPER B 1300 Blown Film Extrusion

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## SUPER B 1300 BLOWN FILM EXTRUSION

## GENERAL SPECIFICATIONS

MATERIALS	HDPE - LDPE - LLDPE - mLLDPE - MDPE
LAYFLAT WIDTH	HDPE : min 500 - max 1.000 mm LDPE : min 500 - max 1.200 mm
FILM THICKNESS	7 - 120 micron
MAX. LINE SPEED	120 m / min
MAX. OUTPUT	HDPE 100 kg/h - LDPE 130 kg/h

## EXTRUSION UNIT

- Diameter of screw : Ø 65 mm
- Length of the screw : 1.950 mm
- L/D Ratio : 30/1
- Screw coated on top of fly with special low wear bimetallic alloy
- Screw geometry of the multiple barrier type to reach very low shear stress values
- Extrusion barrel coated with special low wear bimetallic alloy
- Gearbox with helical hardened gear made by special steel with ground teeth
- All mechanical parts are analyzed with state of the art software to guarantee their reliability.
- Optimized for power density , i.e. to achieve the highest rating at the smallest possible dimensions.
- Thrust bearing sized for 100.000 working hours
- Oil bath lubrication for gearbox
- Cooling by centrifugal fans : 4 pcs x 0.37 kw AC 1500 rpm
- 4 Thermo regulating zone , total heating power 15.30 kw
- Main Motor : 37 kw AC 1500 rpm.

## SCREEN CHANGER

- Change operation by lever
- 1 Thermo regulating zone , total heating power 3.2 kw

## ROTARY DIE GROUP

- Diameter of the die : Ø 100 mm HDPE / Ø 200 mm LDPE
- New design specially conceived for high quality film production
- Rotating Die - 360 degrees rotating model
- High production and quality performances
- Extremely low residence time of resin inside the channel
- Build with special Ni Cr Mo steel stress release for very high stability during years
- Heating by heaters , total installed power 9.5 kw
- Process : Correcting & Stress Relief , Honed , Hard Chromed , Polished
- Head Support trolley on Wheel

#### **AIR RING – MULTI LIP HIGH PERFORMANCE TYPE**

- Air balance between upper and lower air stream adjustable
- Aluminium cast chamber with tangential air inlets Ø 76 mm
- Cooling Fan Motor ( Blower ) : 5.5 kw with ABB motor driver
- Pressure drop, absolute uniform air distribution
- Display for air temperature and air pressure
- Including mounting brackets to fix the air ring on the die
- Air stream adjustable
- Highest cooling rate, improved film tolerances , absolute even air distribution

#### **TOWER FRAME**

- Total Line Height : 5.5 m
- No 1 intermediate platform
- With ladders and safety protections
- Complete with cables race - ways

#### **TAKE – OFF GROUP**

- Take-Off roller width and diameter : 1.300 mm x Ø 170 mm
- One steel chromed and one rubber covered
- Collapsing frames with wooden materials
- Gusseting parts : stainless steel
- Chromed rolls has 300 microns chromed thickness
- Rubbers rolls produced by NITRIL rubbers
- Take-Off roll motor : 1.5 kw AC 1500 rpm.

#### **WINDER UNIT**

- Double Manuel Winders ( top and bottom type )
- Winder Roller width and diameter : 1.300 mm x Ø 220 mm
- One steel chromed and one rubber covered
- Chromed roll has 300 micron chromed thickness
- Rubbers roll produced by NITRIL rubbers
- Winder roll Motor : 1.5 kw AC 1500 rpm.

#### **PARTS OF THE MACHINE**

- PLC and touch screen panel : B & R Automation
- Pneumatic Parts: FESTO
- AC motors : GAMAK or WATT
- Gearboxes : YILMAZ REDUKTOR
- Bearings : SKF
- Drivers : ABB



plastic machinery co.

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SUPER B 1300 BLOWN FILM EXTRUSION	
Air Shaft ( 3 pcs )	Standard
Corona Treatment	Standard
Auto Material Loader - Moretto	Standard
Banana Rollers ( 2 pcs )	Standard
Embossing Roller	Standard
1 set Cold knives ( right - left ) - 2 pcs Middle knives	Standard
PRICE OF MACHINE	88.000 EURO

TRANSPORT COST	3.500 EURO
TOTAL PRICE OF MACHINE ( DAP SNINA )	91.500 EURO

#### SALES CONDITIONS

Delivery time :	60 days
Payment :	40 % as down payment , 60 % before shipment
Delivery Type :	DAP - Snina / Slovakia
Packaging :	Included
Warranty :	12 months for mechanical and electrical parts from machine commissioning
Assembly and Start Up :	Excluded from the supply ; Engineers working hours for the installation , assembly and start up Engineers airfares tickets Hotel Expenses ( accommodation and meals ) Local transport fares ( from airport - hotel - factory ) Customer to provide 1 mechanical and 1 electrical assistant to support our engineers during the assembly and start up