Low pressure overmolding unit

HI - HS 60

Low pressure horizontal injection overmolding unit for Hot Melt materials.
Screw pump servomotor controlled with absolute encoder

FEATURES

- Coloring of the resin allowed by adding the master to the granulate to be injected
- Multi-stage injection
- Adjustable holding pressure and metering functions
- Pneumatic ejection system
- Electronic injection pressure adjustment from 5 -280 bar (EPR)
- The injection molding servo adopts intelligent control
- Adjustable speed and torque
- Self-diagnosis function
- Temperature limits with programmable alarms
- Default alarms
- Chiller CBV 5.1, cooling unit for hopper collar
- Weeky switch-on timing programming
- Suitable for some theermoplastic materials (specifications required)

OPTIONS

- Chiller CBV 5.1, cooling mold unit with adjustable temperature
- Automatic Feeding System (AFS)
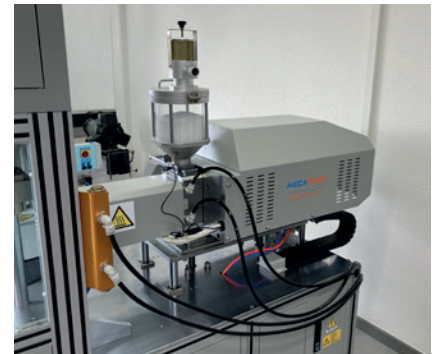- D 10 Resin Dryer
- Network interface (Industry 4.0)

TECHNICAL SPECIFICATIONS

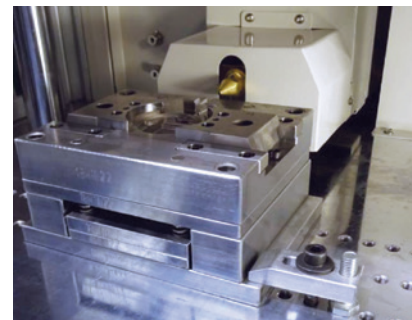|	HI - HS 60
Mold clamping force	30 T
Temperature control zones	10
Max. temperature	250° C
Mold stroke	150 mm
Screw Diameter	20 mm
Max Screw Speed	650 rev/min
Melting Torque	21.5 N/m
Ejection System	Air cylinder
Ejectors Force	250 Kg
Ejectors Stroke	25 mm
Clamping system	Air over oil cylinder
Control system	Touch screen 10" HMI and PLC with USB connection
Safety protection	Light curtain and dual palm button for cycle start
Air supply/Consuption	min. 6 bar, 20l/cycle
Power supply	380 – 400 VAC 3 phase+N+G 50/60 Hz – 32 A
Dimensions and Weight	1880 X 890 X 2000 mm / 540 kg

CE Conformity: HI - HS 60 is fully compliant with CE regulations and EMC equipment guidelines for mechanical, electrical and electromagnetic compatibility.

Note: we recommend to send samples with the application requirements for a preliminary examination.

The unit works with Technomelt, Thermelt and Macromelt resins and Hot Melt polyamide and polyolefin resins.
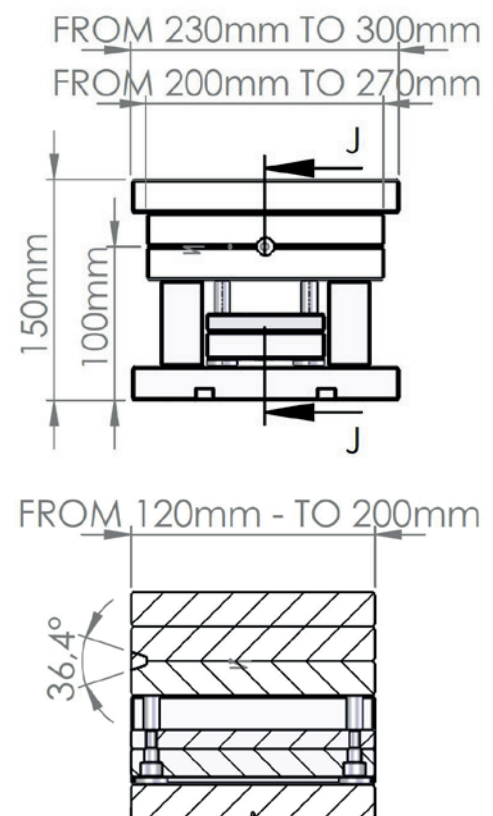

Screw melting system

Horizontal injection system

MOLD DIMENSIONS

FROM 230mm TO 300mm
FROM 200mm TO 270mm

150mm
100mm

J

J

FROM 120mm - TO 200mm

36,4°

SECTION J-J