

Low pressure overmolding unit

HI 4

Low pressure horizontal injection overmolding unit for Hot Melt materials
Mold closing press with 3 open sides



Technical specifications are subject to change according to possible needs and without notice.

FEATURES

- Steel electro-welded structure
- Possibility to use one upper mold and two lower molds
- Integrated 3 l melting tank
- Electronic injection pressure adjustment from 1 to 50 bar (EPR)
- Mold clamping force 2 T
- 2 independent PID temperature control zones $\pm 2\%$
- Weekly switch-on time programming
- Temperature limits with programmable alarms
- Cycle start with mechanical safety buttons and light curtain
- Quick mold replacement
- Mold cooling circuit manifold
- Pneumatic ejection system
- Touch Screen with Ethernet connection
- Automatic Feeding System (AFS)
- Network interface (Industry 4.0)
- Different size mold can be used. Mechanical adapter to be evaluated

OPTIONS

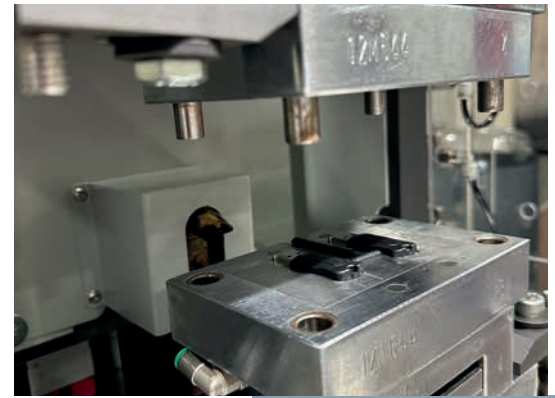
- Chiller CBV 5.1, cooling mold unit with adjustable temperature
- 7 l Melting tank
- D 10 Resin Dryer

TECHNICAL SPECIFICATIONS

	HI 4
Mold clamping force	2.0 T
Tank capacity	3 l (optional 7 l)
Temperature control zones	2
Max. tank and gun temperature	250° C
Mold stroke	125 mm
Ejectors force	1000 N (optional 1500N)
Ejectors stroke	10 mm
Gear pump flow	5.8 gr / turn
Control system	Touch screen 10" HMI and PLC
Safety protection	Light curtain and two hands control for cycle start
Air supply	6 bar, 0.18m ³ /cycle
Power supply	240VAC 1P+N+G 50/60 Hz 4,5 kW
Dimensions and Weight	120 x 140 x 210 cm / 400 kg
Working plate height	H: 1000 mm + mold height

CE Conformity: HI 4 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.

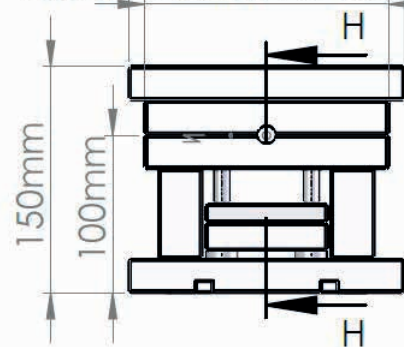


Horizontal Injection

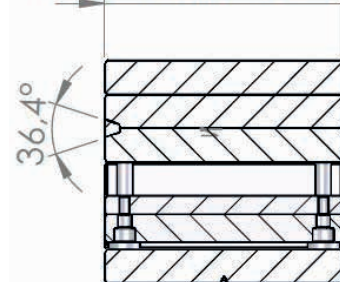


MOLD DIMENSIONS

FROM 180mm TO 250mm
FROM 150mm TO 230mm



FROM 100mm TO 120mm



SECTION H-H