

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
- 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

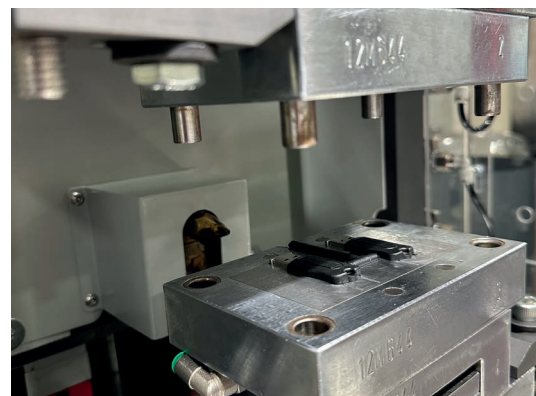
- Chiller CBV 5.1, cooling mold unit with adjustable temperature
- 7 l Melting tank
- D 10 Resin Dryer

TECHNICAL SPECIFICATIONS

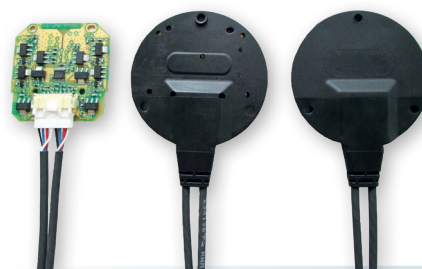
	HI 4
Mold clamping force	2.0 T
Tank capacity	3 l (optional 7 l)
Temperature control zones	2
Max. tank and gun temperature	250° C
Mold stroke	125 mm
Ejectors force	1000 N (optional 1500N)
Ejectors stroke	10 mm
Gear pump flow	5.8 gr / turn
Control system	Touch screen 10" HMI and PLC
Safety protection	Light curtain and two hands control for cycle start
Air supply	6 bar, 0.18m ³ /cycle
Power supply	380VAC 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

