

BETA 600



Side Injection Compact Machine

LPMS® machines are engineered for low pressure molding, using specialty resins to encapsulate delicate parts, like automotive electronics, PCBA, coil, fiber-optic, LED lighting, cable, etc.

The benefits of side injection is that when one large cavity being encapsulated from the center of the mold, which can prevent the gate mark from the center of product.

Features

- Intuitive touch screen operation.
- 3 liter melting tank integrated into machine without hose.
- Linear scale it' s precise for mold clamping, does not need to adjust the reed switch position.
- The gear pump is made of hard-wearing material , which is stable , injection volume accuracy $\pm 0.1g$, maximum shot size is 5g/s.
- Injection pressure range 1~50kg, which can be controlled by the pneumatic safety valve. LPMS also have option like electronic safety valve, which means the injection pressure can be set more precisely from the PLC.
- Over temperature alarm and automatic heating stop functions.
- Two temperature control zone work independently.
- Light curtain and photoelectricity to protect workers during the operation.
- Ejection system.



Side injection



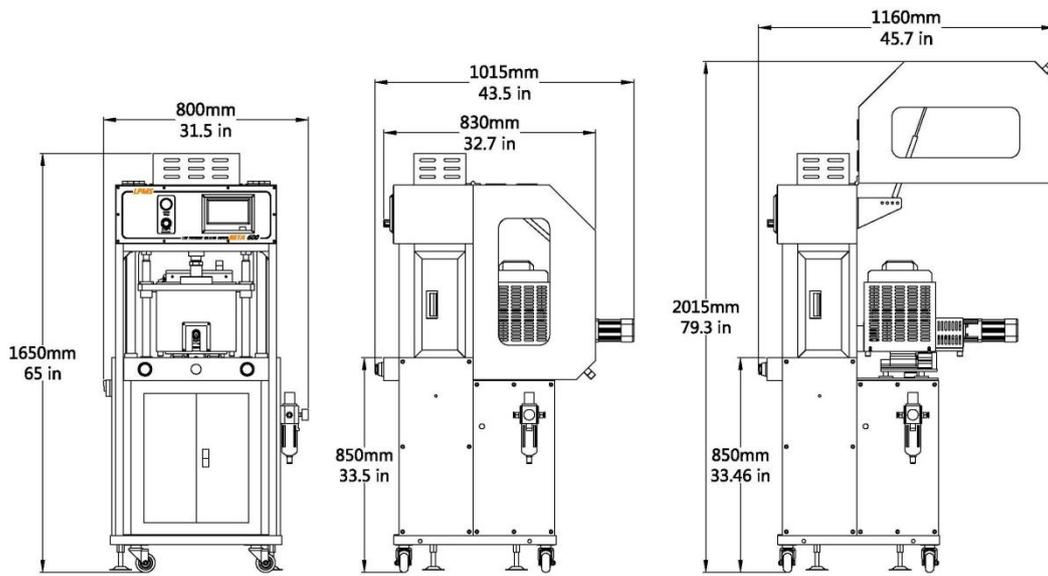
Protective cover

Specification

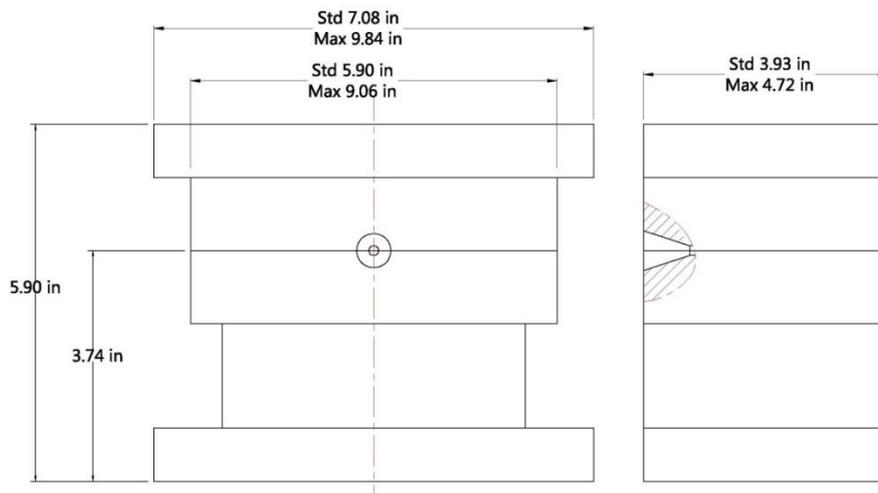
Machine Size / Weight	800 mm x 830 mm x 1650 mm / 320 kg 31.50 in x 32.68 in x 64.96 in / 705 lbs
Working Station Height	850 mm 33.46 in
Melting Tank	3 liter x 1
Auto Feeding System	Option
Maximum shot size	5.8 g / RPM
Gun Model & Tip	LPMS-G02 x 1 / 36.4° or 90°
Heated Hose	N/A
Electricity ¹	200-240VAC / 1 Phase / 50 Hz
Temperature Control Zones	2
Temperature Range	Ambient up to 250°C / 485°F
Max .Power	4 Kw
Pump Motor	120 W
Min. Air Pressure	0.5 MPa 73 Psi
Air Consumption	0.1m ³ / min 3.5ft ³ / min
Clamping	Air Cylinder
Clamping Force	1.2 Tons
Clamping Stroke	125mm (Option 150 mm) Std.4.92 in (Option 5.91 in)
Ejector	Air Cylinder
Ejector Force	980 N
Ejector Stroke	10 mm 0.39 in
Control System	7" HMI , PLC controlled
Safety Protection	Light Curtain, Side Safety doors, Protective Cover
Mold Set Size	180 mm x 100 mm x 150 mm / 16 kg 7.09 in x 3.94 in x 5.91 in / 35.27 lbs
Max. Mold Set Size	250 mm x 120 mm x 150 mm 9.84 in x 4.72 in x 5.91 in

¹ Input power of 200-240 VAC 50/60 Hz single-phase or 380VAC 50/60Hz three phase.

Dimension



Machine dimension



Mold set dimension

※ LPMS reserved the right of final explanation. Please forgive that if any change of products will not specify additionally.