

microglue[®] HM-100 Electric Hot Glue Gun

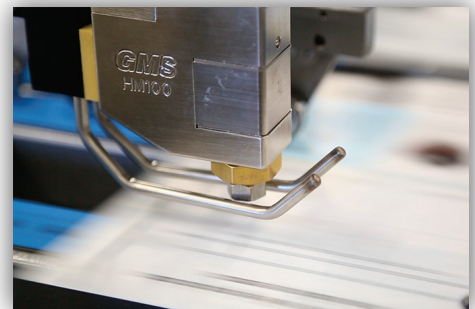


Deliver sharp adhesive cutoff and a wide range of bead patterns with this compact all-electric gun

HM-100 series electric guns are designed for precise pattern control and outstanding cutoff results with fugitive, permanent or pressure sensitive adhesives. Capable of operating at high speeds of up to 18,000 cpm for small dots, the versatile HM-100 is ideal for use across a broad range of applications including direct mail, packaging and paper converting.

Get these immediate benefits:

- Produce small dots with maximum operation speeds of up to 18,000 cycles per minute (300Hz) and a total cycle time of less than 3.33 ms, with glues under 1000 cps
- Attain high-speed performance while eliminating the noise normally associated with hot melt guns via the HM-100's airless operation
- Increase reliability and downtime by eliminating compressed air, dynamic seals and high maintenance components
- Utilize a straight or right angle nozzle with the same gun to work as either an inline, or in-plate applicator. Split nozzle option is available for either application
- Available with optional slot coat, or multi-orifice nozzles for remoistenable and pressure sensitive glue applications
- Capable of operating with a wide range of adhesive viscosities for complete versatility across a range of applications



Operates at speeds up to 18,000 cycles per minute



Ideally suited to work with micromailer[®] for creating direct mailers

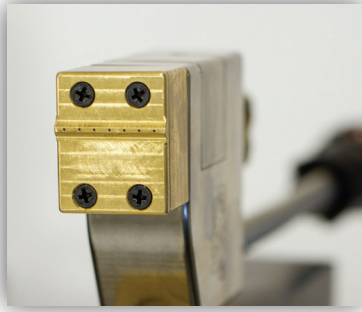


HM valve with heavy duty mounting bracket

HM valve with standard mounting bracket



Combine with microglue[®] pattern controllers for optimal performance



HM Valve with multi-orifice nozzle

Features:

- Tool-less mounting bracket
- Offers a corrosion-resistant ceramic ball and stainless steel seat for increased longevity
- Low cost, easy change nozzle
- Available with straight, right angle, split, slot coat, or multi-orifice nozzles
- 24 volt DC coil withstands extreme temperatures and is rated for 100% duty cycle, even during high speed stitching
- Available in 115 VAC 60Hz or 230 VAC 50 / 60 Hz

Specifications:

| | |
|--------------------------|--|
| Maximum Pressure: | 800 psi (55 bar) |
| Maximum Viscosity*: | 15,000 cps |
| Electrical Connection: | Amp 9 pin quick disconnect |
| Operating Temperature: | 100 - 450 °F (38 - 232 °C) |
| Heating Method: | Dual replaceable cartridge heaters |
| Electrical Requirements: | 115 VAC 60 Hz or 230 VAC 50 / 60 Hz |
| Temperature Sensing: | 10,000 ohm thermistor |
| Nozzle Diameter Range: | 0.010 in to 0.035 in (0.25 mm to 0.9 mm) |

*Performance will be affected by higher viscosity adhesives. Recommended viscosity is 1000cps for optimum performance. Higher viscosities can slow cycle rates and minimum duration, and shorten service life.

Performance Parameters:

| | |
|------------------------------------|----------------------------------|
| Maximum Cycle Rate / Minute: | 18,000 cpm (300 Hz) |
| Minimum Pattern Duration: | 1.5 ms +/- 0.3 ms |
| Minimum Duration Between Patterns: | 1.5 ms +/- 0.3 ms |
| Minimum Dot Size @ 1000 ft / min: | 0.3125 inches / 1000 ft / min |
| Coil Resistance: | 12 ohms cold 15 ohms hot |
| Heater Wattage: | 85 x 2 watts |
| Optimum Control Signal: | 48 VDC for 1.5 ms hold at 24 VDC |
| Power Consumption: | 38.4 watts during hold |



For more information, visit microglue.com or contact your local representative.

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