



green GLUING

VOLTA

Hot Melt Jetting Heads
Reliable | economical | precise

APPLICATION HEAD FOR HIGH PROCESS RELIABILITY

The Volta electric hot melt jetting head stands for high process reliability for dot and bead application of thermoplastic adhesives. Low-wear and energy-efficient, it consistently delivers repeatable adhesive application.

Stability in the Adhesive Application

Volta is durable and reliably applies adhesive over the course of 1 billion operating cycles. With IP55 protection, it is suitable for the harsh environments of the packaging industry as well as for the food and pharmaceutical industries.

Saving Energy with Volta

Volta does not require compressed air - and thus saves about 60 % energy during operation. In addition, the switching frequency of 200 Hz makes it ideal for hot melt stitching - and thus saves adhesive. Last but not least, Volta is low-wear, so maintenance work is reduced to a minimum.

Repeatable Application Quality

The electric application head applies the adhesive precisely and with an exact cut-off. The uniform temperature distribution in the application head is decisive for repeatability. It influences the adhesive viscosity and thus the application quality.

Your Advantages

- Electric application head for high process reliability. Low-maintenance and resistant.
- 60 % less energy consumption than the SX pneumatic application head
- Up to 40 % adhesive savings with hot melt stitching
- Straightforward system integration via 24-VDC connection without a booster
- 1 billion operating cycles with consistent adhesive application precision
- CoolTouch insulation protects personnel from burns, is gentle on heat-sensitive products, and reduces energy consumption



Volta multiple application head



Substrate deflector and nozzle protection



Volta hot melt jetting head with infrared sensor



Bottom-up cover

TECHNICAL DATA

| | |
|-----------------------|----------------------------------|
| Temperature range | 20 to 185 °C |
| Adhesive pressure | Max. 75 bar |
| Adhesive | Thermoplastic hot-melt adhesives |
| Adhesive viscosity | 500 to 5,000 mPas |
| Operating cycles | 1 billion ⁽¹⁾ |
| Switching frequency | 200 Hz ⁽²⁾ |
| Application time | 2.5 ms ⁽²⁾ |
| Jetting element width | 40 mm |
| Nozzles | 296 Diamond |
| Supply voltage | 200-240 VAC, 50/60 Hz |
| Control voltage | 24 VDC / 7.5 W |
| Holder | Ø 12 mm clamping shaft |
| Noise level | 60 dB(A) ⁽³⁾ |
| Degree of protection | IP55 |

⁽¹⁾ Depending on adhesive, application, and recommended maintenance

⁽²⁾ Depending on adhesive, viscosity, temperature, frequency, and pressure

⁽³⁾ Applies to a single application head at 25 Hz