



green GLUING

VOLTA

Hot melt jetting heads
Smart | profitable | safe

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 a profitable adhesive application.

Stability in the adhesive application

Volta is durable and reliably applies adhesive over the course of 2 billion operating cycles. With IP65 protection, it is suitable for the harsh environments of the packaging industry as well as for the food and pharmaceutical industries.

Save energy and adhesive 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.

Straightforward integration

Volta can easily be integrated into any adhesive application system. The control unit of the application head defines how much adhesive is to be saved. Volta divides the adhesive beads into shorter beads or dots (stitching) according to this value. No external control is required for this.

Your advantages

- Electric application head for high process reliability. Low-maintenance and resistant.
- 2 billion operating cycles
- 60 % less energy consumption than pneumatic application heads. No compressed air, low power consumption
- Up to 60 % adhesive savings with hot melt stitching
- Straightforward system integration via 24-VDC connection without a booster, no external control needed
- 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	400 to 2500 mPas
Operating cycles	2 billion ⁽¹⁾
Switching frequency	200 Hz ⁽²⁾
Application time	2.5 ms ⁽²⁾
Jetting element width	25 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	IP65

⁽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