



# 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 <sup>(1)</sup>
Switching frequency	200 Hz <sup>(2)</sup>
Application time	2.5 ms <sup>(2)</sup>
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) <sup>(3)</sup>
Degree of protection	IP55

<sup>(1)</sup> Depending on adhesive, application, and recommended maintenance

<sup>(2)</sup> Depending on adhesive, viscosity, temperature, frequency, and pressure

<sup>(3)</sup> Applies to a single application head at 25 Hz