

green
GLUING

SPEEDSTAR COMPACT

Hot Melt Jetting Heads
Fast | durable | sustainable

FOR FAST AND PRECISE ADHESIVE APPLICATION

SpeedStar Compact is designed for extremely short switching cycles with small and precise adhesive dots in applications with very high speeds. The jetting head processes low- to medium-viscosity hot melt adhesives. SpeedStar Compact has been designed for limited space and is very compact thanks to the detached electronic unit.

Reliability and Highest Precision

Despite temperatures up to 185 °C and viscosities up to 2,500 mPas, the application head reaches a very high service life. The repeatability is unique, resulting in consistent dot size and positioning without manual recalibration across the entire service life. Thanks to the integrated filter in the heating block, nozzle blockage is prevented.

Increased Safety and Sustainability

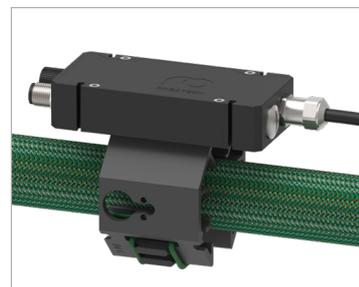
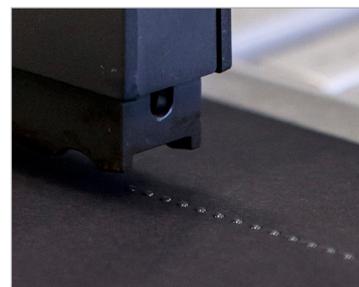
The heat-resistant CoolTouch insulation protects operators as well as products to be glued from heat. Energy consumption is reduced, and a constant adhesive temperature ensured, even with a draft from fast-running machines.

Modularity and Compatibility

The application head features a modular design which enables to match it exactly to the customer-specific production needs. The application head is compatible with most Robatech application systems. This simplifies integration into existing machines and reduces spare part costs.

Your Advantages

- Fast up to 800 dots per second
- Durable with 500 million operating cycles
- Repeatable short beads/small dots even at high speed
- Adhesive savings due to reduced dot size or stitching function
- Increased operator safety and reduced energy consumption thanks to CoolTouch insulation
- Compact and ideal for tight spaces
- 24 VDC enables actuation via PLC
- Quiet (approx. 35 dB(A))



TECHNICAL DATA

Temperature range	20 to 185 °C
Adhesive pressure	Max. 75 bar
Adhesive	Thermoplastic adhesives
Adhesive viscosity	100 to 2,500 mPas
Operating cycles	500 million*
Switching frequency	800 Hz**/**
Adhesive outlet	0.5 ms*
Jetting element width	18 mm
Nozzles	296 Diamond
Supply voltage	230 VAC (EN60204), 50/60 Hz
Control signal	24 VDC / 8 W
Attachment	For shaft ø 12mm, flat steel or M5 thread
Sound pressure level	Approx. 35 dB(A)
Degree of protection	IP55
Installation dimensions (mm)	132.3 x 24 x 139.6

* Depending on operating environment and conditions (adhesive, temperature, frequency, etc.)

** Continuous load: single head = 100 Hz, double head = 25 Hz, quad head = 15 Hz