

green
GLUING

SPEEDSTAR COMPACT

Hot Melt Jetting Heads
Fast | durable | sustainable

PRECISION AND SPEED IN ADHESIVE APPLICATION

SpeedStar Compact is the application head for precise adhesive application at high production speeds. The electric jetting head applies millimeter-sized hot-melt dots and short beads to tiny flaps and small surfaces. If continuous, long beads are replaced by spot or bead application, the SpeedStar Compact can reduce the adhesive consumption by up to 40 % (stitching).

Reliability and Highest Precision

SpeedStar Compact is unique: the intelligent control electronics with automatic stroke control ensure consistent precision over the entire service life of 500 million operating cycles. This makes the adhesive application independent of changing operating conditions such as adhesive temperature, viscosity, and mechanical wear. The heating block's integrated filter prevents nozzle blockage.

Increased Safety and Sustainability

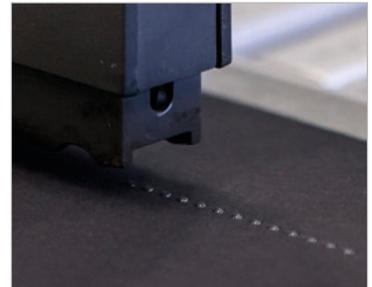
CoolTouch insulation reduces heat radiation, protecting operators and products to be glued from heat. The energy consumption is reduced, and the adhesive temperature remains constant.

Straightforward Integration and Spare Parts Inventory

The electronics module detached from the head provides a standard 24-VDC interface for direct control of the application head via PLC without a booster. SpeedStar Compact uses the same filters and nozzles as Robatech's SX and AX jetting heads. This simplifies the spare parts inventory.

Your Advantages

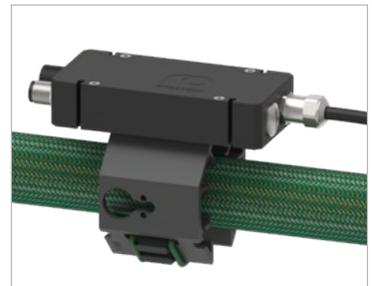
- High-precision bead and dot application for small products and tiny surfaces
- High production speeds with up to 800 dots per second
- Consistent precision of the adhesive application over 500 million operating cycles through automatic stroke control
- CoolTouch insulation: reduces energy consumption and protects heat-sensitive products
- Straightforward system integration via 24-VDC connection without a booster
- Up to 40 % adhesive savings with stitching



800 dots per second



Integrated adhesive filter



Detached electronics module



Multiple-module version

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 discharge | 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 diameter 12 mm, flat bar 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