

green GLUING

AX DIAMOND 1 SW

Hot Melt Spiral Spray Heads
Precise | reliable | safe

PRECISE AND CONSISTENT SPIRAL SPRAY APPLICATION

The sturdy spray heads of the AX Diamond series are ideally suited for non-contact application of low- to medium-viscosity thermoplastic hot melt adhesives. They are suited for applications, such as pallet stabilization with anti-slip gluing or for anti-scratch applications when transporting tiles and ceramic plates. However, they are also used in other areas.

Precise and consistent application pattern

The spray head AX Diamond 1 SW applies precise and consistent spirals with a width of 10 - 25 mm and achieves a stable application pattern. Using fine adjustment, application width and quantity can be adjusted quickly and easily. Thanks to the filter integrated in the heating block, nozzle blockage is prevented. The sturdy design makes the application head very resilient, especially under harsh conditions.

Increased safety and sustainability

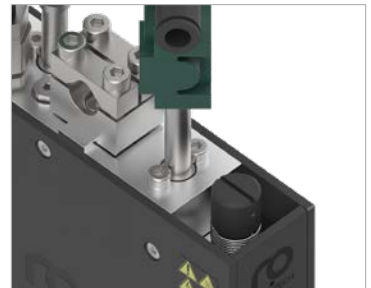
With CoolTouch insulation, the Diamond series increases operational safety. The spray head insulation protects operators from burns. In addition, the heat-resistant insulation reduces energy consumption and ensures a constant adhesive temperature.

Modularity and compatibility

As part of the Diamond series, the AX Diamond 1 SW is compatible with most Robatech application systems, including the previous model AX 100 SP. This simplifies integration into existing machines.

Your advantages

- Precise and consistent application pattern
- Easy adjustment of application width and quantity using fine adjustment
- Energy-efficient and safe thanks to CoolTouch insulation
- Constant temperature for highest adhesive quality
- Easy integration
- No nozzle blockages thanks to integrated filter



TECHNICAL DATA

Temperature range	20 to 200 °C
Adhesive pressure	Max 100 bar
Adhesive	Thermoplastic adhesives
Adhesive viscosity	Up to 10,000 mPas (sprayable)
Operating cycles	10 million*
Nozzles	Needle valve (NV) curl \varnothing 0.4 and 0.7 mm
Application width	Spirals from 10 to 25 mm
Air connection, control air	5 to 6 bar, unoled, cleaned acc. to ISO 8573-1 Class 4
Air consumption	Approx. 6 ml per jetting element / cycle (5 bar)
Supply voltage	230 VAC (EN60204), 50/60 Hz
Supply voltage, solenoid valve	24 VDC / 7.3 W
Attachment	For shaft \varnothing 12mm, flat steel or M5 thread
Noise level	Approx. 65 to 70 dB(A)
Degree of protection	IP55

* For jetting element and valve. Depending on operating environment and conditions (adhesive, temperature, frequency, etc.)