

green GLUING

AERO

Hot Melt Spray Heads
precise | flexible | easy to maintain

PRECISELY PLACED HOT MELT SPIRALS WITH EXCELLENT EDGE DEFINITION

The Aero spray head is suitable for area gluing of irregular products where coating heads cannot be used. Typical applications are interior finishing and trim in the automotive industry or the gluing of insulation material in construction supplies. Aero applies thermoplastic or reactive hot melt adhesives; high-viscosity hot melt adhesives are also possible.

Hot Melt Spirals with Excellent Edge Definition

The external air heater is used to control the spray air temperature independently of the adhesive temperature. This is a decisive factor in spraying hot melt spirals with excellent edge definition. In addition to the spray air temperature, the timing of the air supply and the air pressure are important parameters as well. These parameters are set and controlled individually - the key to clean hot melt spiral application with excellent edge definition. The spray application width is 6 to 25 mm.

Flexible Mounting and Straightforward Integration

Aero is available as a single head or as a multiple head with up to 10 spray elements. Different CC distances are possible for multiple elements. Depending on the installation situation and space available, the external air heater can be mounted on the left, the right, or remotely from the heating section. An optional integration kit

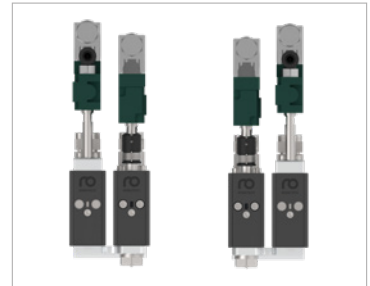
with brackets and software is available for use with robot systems.

Easy to Maintain and Safe

An optional adhesive filter in the heating block reduces nozzle clogging and thus maintenance work. When a nozzle is due for replacement, the mounting nut is loosened, and the nozzle is easily replaced. Aero is equipped with CoolTouch insulation to protect personnel from burns in case of accidental contact.

Your Advantages

- Reproducible spiral application with excellent edge definition thanks to external air heater
- Independently adjustable application parameters for a precisely coordinated application pattern
- Space-saving, as external air heater can also be mounted remotely
- Easy to maintain thanks to straightforward nozzle replacement and optional adhesive filter
- CoolTouch insulation protects against burns in case of accidental contact
- Straightforward integration and direct control via PLC



External air heater mounted on the left or right side



Multiple head with remote-mounted air heater



Perfect interaction of spray air and adhesive



Hot melt spirals with excellent edge definition

TECHNICAL DATA

Temperature range	20 to 200 °C
Adhesive pressure	max. 100 bar
Adhesive	Thermoplastic and reactive adhesives
Adhesive viscosity	500 to 10,000 mPas*
Switching frequency	50 Hz**
Operating cycles	10 million**
Spray element	Aero S
Compressed air supply, spray air	max. 5 bar
Compressed air supply, control air	5 to 6 bar
Supply voltage	200 - 240 VAC, 50/60 Hz
Control signal	24 VDC / 7.3 W
Attachment	For 12 mm shaft diameter, flat bar or M5 thread
Sound pressure level	60 to 70 dB(A)

* > 10,000 mPas: Preliminary testing required

** Depending on adhesive, viscosity, temperature, frequency, and pressure.