



green GLUING

DELTA

Hotmelt Spray and Jetting Heads
compact | suitable for robots | precise

ADHESIVE APPLICATION WITH PRECISION AND REPEATABILITY IN ROBOT SYSTEMS

The Delta application head is specially designed for robot applications. Its angled design allows for adhesive application very close to the product and flexible in all directions. Delta is available as spray head for spiral and spray application or jetting head for dot and bead application. Both thermoplastic and reactive hot melt adhesives can be applied.

Precise, Repeatable Spiral Application

The spray head variant features an external air heater. Thus, the spray air temperature can be controlled independently of the adhesive temperature and allows for repeatable spiral application with excellent edge definition. The spray application width is 6 to 100 mm.

Precise Dot and Bead Application

The proven AX Diamond jetting element is used for the jetting head variant. A short or long nozzle can be selected depending on the application. The long nozzle is particularly suitable for products where the adhesive is applied in corners or along an edge.

Safe and Easy Handling

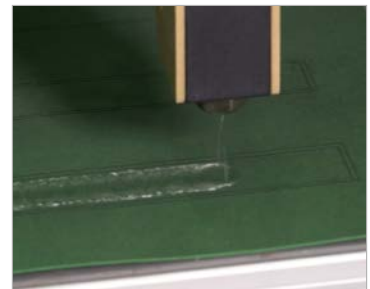
Robatech offers a special integration kit, including software, for the straightforward integration with cobots. The application head can be controlled directly via PLC thanks to a standard 24 VDC interface. Delta is easy to maintain. The nozzle is easy to change, and the optional adhesive filter reduces nozzle clogging. CoolTouch insulation protects operators from burns.

Your Advantages

- Flexible adhesive application in all directions thanks to angled design
- Precise, repeatable spiral application thanks to external air heater
- Precise dot and bead application
- Straightforward integration
- Easy to maintain thanks to straightforward nozzle replacement and optional adhesive filter
- Operator protection with CoolTouch insulation



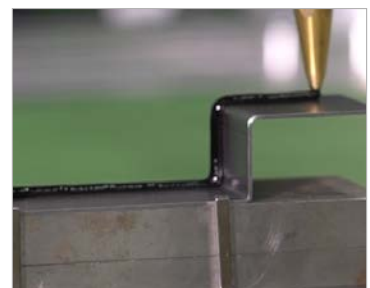
Spray head with external air heater



Precise and repeatable spiral application



Jetting head with long nozzle



Precise bead application

TECHNICAL DATA

	Jetting head	Spray head
Temperature range	20 to 200 °C	
Adhesive pressure	Max. 100 bar	
Adhesive	Thermoplastic adhesives	Thermoplastic and reactive adhesives
Adhesive viscosity	500 to 5,000 mPas	500 to 10,000 mPas
Switching frequency	50 Hz*	
Adhesive discharge	12.5 ms*	
Operating cycles	10 million*	
Jetting/spray element	AX Diamond 296	Aero S, AX Diamond S
Nozzles	296	Spray nozzle S
Supply voltage	200 - 240 VAC, 50/60 Hz	
Control signal	24 VDC / 7.3 W	
Attachment	M6 mounting thread	
Sound pressure level	60 to 70 dB(A)	
Installation dimensions (LxWxH)	139 x 37 x 275 mm	164 x 65 x 260 mm
Integration kit	Compatible with Universal Robots (UR 5, 10, 16), Fanuc (CRX Cobots), Kuka (LBR iisyl-Series), ABB (GoFa™ CRB 15000 Family)	

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