

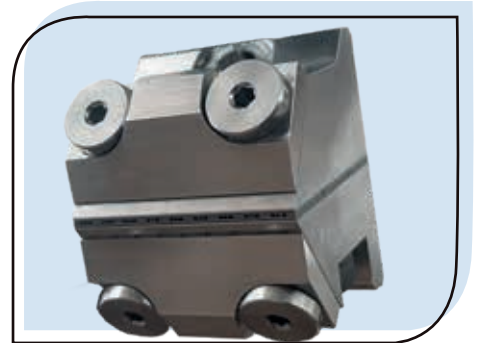
# SIGMA NOZZLE

## Intermittent Spray Nozzle

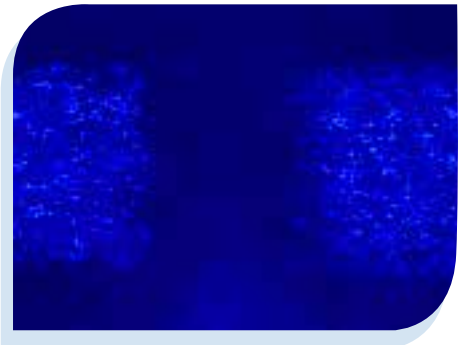
Valco Melton's Sigma Nozzles have been specially designed to prevent adhesive bleed-throughs and thermal distortion during intermittent adhesive applications, especially when used to bond thin materials, reducing associated machine downtime and helping to improve product quality.



- Designed to Support High-Speed Intermittent Applications.
- Produces Adhesive Random Patterns formed by unbroken adhesive fibers.
- Stainless Steel made, Shim-based designed.
- Large adhesive passages prevent nozzle clogging improving machine uptime.
- Provides close edge coverage for a better product quality.



Available in 25mm full width as well as in partial coverage configurations.

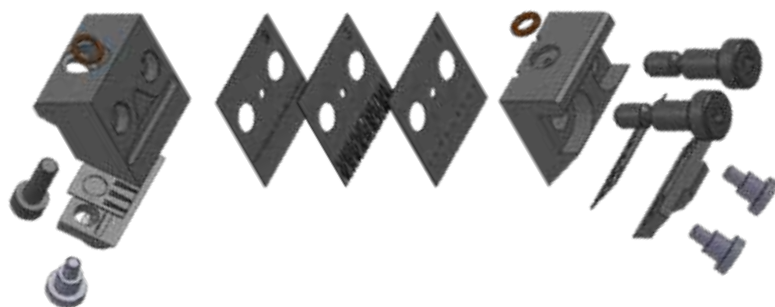


Sigma Random pattern provide a consistent bonding, great edge control, and an improved appearance of the end product.

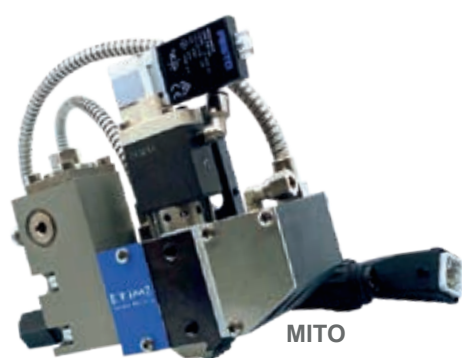


Each nozzle has up to 9 large adhesive orifices, preventing clogging and reducing potential bleed-throughs due to adhesive pressure build up during the pattern skip time.

## Stainless Steel Shim-based Design



## Applicators



MITO



FLEXSPRAY



vmGENESIS

## Technical Specifications

Sigma Nozzle	
Pattern	Random Fibers
Production Speed	Up to 650
Typical Add- On	Up to 20 gsm
Max. Hydraulic Pressure	55 Bars
Temperature Range	110°C to 205°C
Adhesive Viscosity	1,000-6,000 cps
Fiber Size	Up to 100 Microns
Application Widths	3mm/5mm/8mm/11mm/14mm/17mm/19mm/22mm/25mm
Air Pressure	1.5 to 2 Bar
Distance from substrate	10 to 40mm
Design/Material	Shim-based (5) / Stainless Steel / Viton
Compatibility	Bat25 Modules /vmGenesis/ FlexSpray / Mito

For more information, visit [valcomelton.com](http://valcomelton.com) or contact your local representative

World Headquarters: Cincinnati, OH, USA • Tel: +1 513 874 6550

Europe Headquarters: Orkoien, Spain • Tel: +34 948 321 580



Locations

[inquiry@valcomelton.com](mailto:inquiry@valcomelton.com)

KCB 0000251 EN 002