



spider.

Compact High-Speed Jet Dispenser



Specifications

Spider

Process	Max. dispensing speed	Piezo Jet Valve: 150'000 dots/h
		Pneumatic Jet Valve: 80'000 dots/h
		Time/Pressure Valve: 28'000 dots/h
		Archimedean Screw: 24'000 dots/h
	Dispensing mode	Dot, line, curve, interpolated 3D contour
	Programmable z-stroke	80 mm (3.15")
	Process height	± 18 mm (0.71")
Accuracy	Encoder resolution	0.2 µm (x,y)
	Placement XY Dots	40 µm (3σ)
	Positioning Z Axis	20 µm (3σ)
PCB	Min. PCB dimensions	50x50mm (2 x 2")
	Max. PCB dimensions	406x305 mm (16 x 12")
	PCB thickness	0.5 - 5.0 mm (0.02 - 0.2")
	Clearance below PCB	40 mm (1.57")
Dimensions	Machine footprint	880x1090 mm (34.7 x 43")
	Operating floorspace	1395x1650 mm (55 x 65")

Swiss Made

Essemtec is a leading designer, manufacturer & distributor of electronic manufacturing equipment for electro-mechanical assembly and semiconductor packaging with production facilities in Switzerland.

Essemtec has proudly supported manufacturers with the latest solutions since 1991. We look forward to making you more productive...

Get in touch with us today!

Essemtec AG

Mosenstrasse 20
CH-6287 Aesch / LU

Phone +41 (0) 41 919 60 60

Fax +41 (0) 41 919 60 50

E-Mail info@essemtec.com

essemtec.
swiss made

my-smt-spider.com

small footprint.

- Requires only 1 m² of production floor
- Machine fits through 90 cm wide door

linear motor drive.

- High accuracy: 40 µm (3σ) at full speed
- Low maintenance / Long durability

quick changeover.

- Straightforward software allows easy job changes
- Intuitive CAD import and job preparation

spider.

Compact High-Speed Jet Dispenser

dispense technology.

- Up to 2 valves simultaneously
- 4 different types of valves

mineral cast.

- Minimized vibration
- Stability at different temperature levels

laser height mapping.

- Mapping of heights using laser technology
- Compensation of substrate warp / 3D applications

capacity.

- Up to 150'000 dots/h (with Piezo Jet Valve)
- Board size up to 406x305 mm

essemtec.
swiss made