



NOTION

S Y S T E M S

Inkjet for Solder Mask

Made in Germany

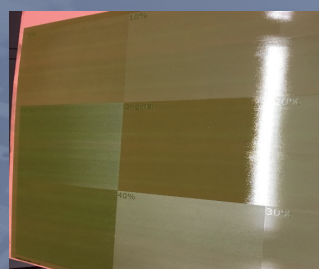
n.jet solder mask

High performance, high precision inkjet printer

Notion Systems develops and produces high precision ink jet printers for various applications in Schwetzingen, Germany close to Heidelberg. The solder resist process has been developed together with a major PCB manufacturer in Germany. Notion provides maintenance & service with their distribution partners in many countries.

- High performance
- High precision
- Less process steps
- Less material consumption
- No developer and stripper chemistry
- No mask in holes
- No mask on pads
- Small & reliable dams with advanced

Adjustable gloss level



Reference installations:

Würth Elektronik Schopfheim, Germany
 Würth Elektronik Niedernhall, Germany
 FTG, Toronto, Canada (Apr. ,19)

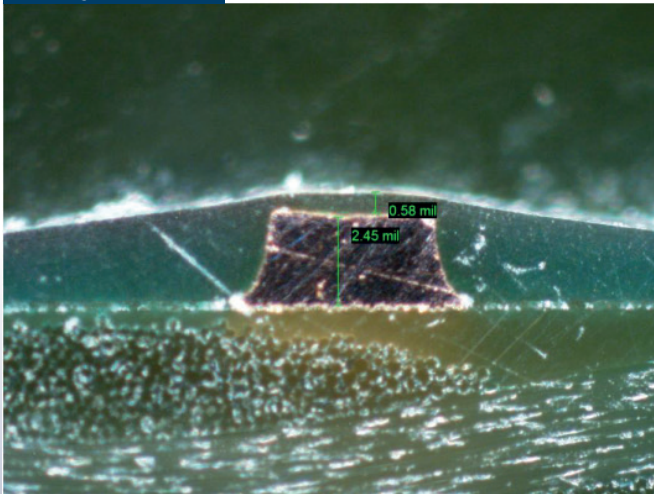
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Machine dimensions (WxDxH):	2200x3000x2000mm3
Machine weight:	3500kgs
Max. panel size:	610 x 610mm2 (24"x24") (larger on request)
Vacuum stage:	Patented vacuum stage, no clamp down for high precision
Number of print heads:	3 to 9
Print heads can be added easily, even after machine installation. So you can start with i.e. 3 heads and add heads to adapt throughput to your needs later on.	
Printing time per side:	30s with 9 print heads 24" x 18" board size, @1400dpi
Minimum line / dam width:	50µm
Minimum opening:	30µm
Positioning accuracy:	12µm
Positioning repeatability:	2µm
Load/unload:	Manual (standard)
Automatic load/unload:	Yes, optional can be retrofitted after machine installation
Ink supply:	Manual or automatic (option)
Inks supported:	Taiyo, Agfa other inks under evaluation

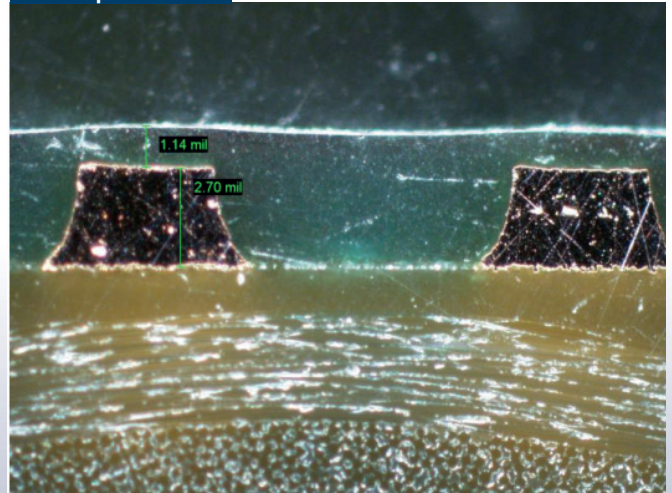
- ✓ Integrated alignment optics, adapts to panel distortion
- ✓ Adjustable SR thickness on same panel
- ✓ Gloss level adjustable by user interface, same chemistry
- ✓ Integrated automatic print head cleaning and capping
- ✓ User friendly service through front door

Cross Sections

single trace



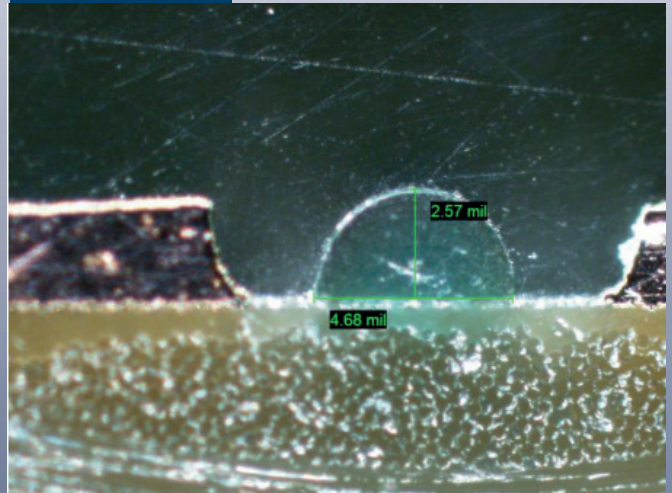
multiple trace



2,5mil dams



4mil dams



Soldermask Defined Pads

