

Hypersonic

HSP/QSP Series

Innovative Paste Printer



Key Features

Fully auto printing with Motor squeegee

- High resolution vision system for substrate printing position alignment
- AC servo motor (Z-axis) Squeegee for printing height alignment
- Auto substrate loading / unloading
- Auto paste dispensing / Cleaning
- 3 or 4 strips printing & High UPH

High UPH and Accuracy

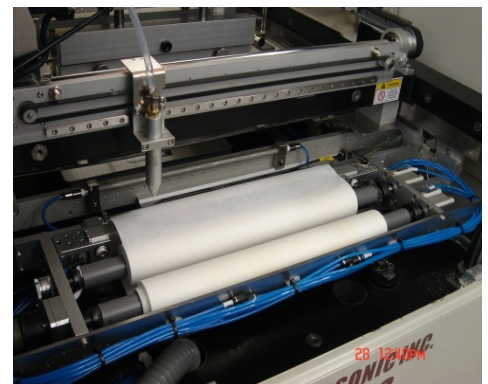
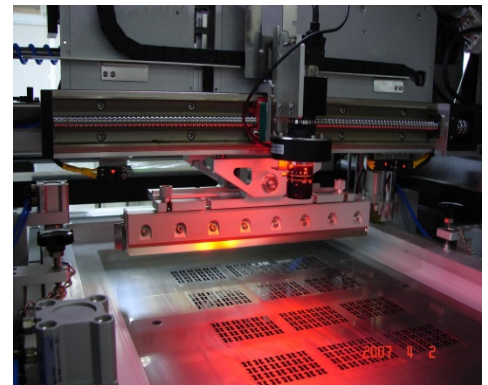
- 220 / 300 strips/hour (Typically.)
- +/-25um@ Fiducial Marks positioning

Fast Set Up time

- Changeover time less than 20 min.
- Auto substrate position teaching process

Friendly operation interface-HMI

- English / Chinese switch.
- On-line trouble shooting guide



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General Specification

Substrates Handling	
Substrate size maximum (X * Y)	250 mm x 100 mm
Substrate thickness	>150um (6mil)
Transport direction	Left to Right
Conveyer/Shuttle Rail width	55mm - 100mm
Printing Stage	
Stencil size	550 mm x 735 mm
Printing area	280 mm x 350 mm
Printing stage coplanarity	Coplanarity 0.05 mm
Stencil/substrate separation	Programmable with two step separation
Printing direction	Front <=> Rear
Squeegee	Motor Squeegee
Printing speed	5mm ~ 200mm/sec(Programmable)
Squeegee angle (to normal line)	30°
Performance	
Printing precision	±25µm @ fiducially mark
C.O.K time	20 min
Down time	< 5%
UPH (Cycle time):	300 Strips/hour /4 strips ; 220 Strips/hour /3 strips
Vision system	
Vision system in P&P	CCD alignment method
Alignment Chuck	XYθ axis
Fiducial size	Customization
Vision system in Squeegee axis	CCD auto teaching for 4 strips
Operation System/Display	Windows XP Base/LCD
Cleaning System	
Clean method	Auto clean after printing
Cleaning function	Wet, Dry, Vacuum
Wiper control	Adjustable/Programmable
Wiper exhaustion detection	Yes
Solvent exhaustion detection	Yes
Paste Auto-refill Dispensing	Yes
Aceton Tank/Tube	SUS/Teflon
Loading & Unloading	
Loader	Auto Cassette in / Stack-in loader
Unloader	Auto Substrate Cassette unloader
Physical Dimension	
Weight : 1500Kg	
Height : 1830mm	
Footprint : 2100mm x 1500mm or 2790mm x 1500m	
Utilities	
Power supply : AC 220V, 50/60 Hz, single phase	
Air supply : Compressed dry air 5.5 to 6 bars	