

Aurel Model C1010R

Full Automatic Printing Line for sensors with rotary table



The new AUREL C1010R is made for precision printing combined with a high throughput. Cycle times are drastically reduced. Valuable production time is used for the process, while loading, inspection (vision or manual) printing and unloading is done in parallel. The machine needs less floor space than a comparable linear solution. So it can fit, where manual machines have been used before.

Technical Features

- Modular design for manual or automatic substrate handling.
- Precision rotating table with 4 steps and accuracy of ± 0.015 mm.
- Based on standard AUREL C1010 which is fieldproven in many installations.
- All axis motor driven, controlled and programmable.
- PC controls with menu guidance with parameter controls and printout of production data.
- Table loading into loose nests, precision centering is done only in the printing position.
- VISION centering optional.
- Squeegee pressure and parallelism controls and two independent height adjustment for print and flood with 0.01 increments.
- DC motor drives for smooth movement of the printing head.
- Z axis motorized and programmable for controlled snap-off.
- Automatic squeegee and screen holder lift for easy machine set up and cleaning.
- Programmable motorized unloading arm with gripper head for collocating the substrates over the dryer conveyor.
- Vacuum pump for substrate hold down included in the machine.

Specifications	
Max Print Area	100 x 150 mm
Max Substrate Size	450 x 450 mm
Max Squeegee Width	200 mm
Screen Size	12" x 12"
X-Y Adjustment	25 mm
Z Adjustment (Screen Height)	12 mm
Theta Adjustment (Rotation)	± 5°
Print Stroke	50 - 210 mm.
Squeegee Speed	0 - 300 mm/sec.
Squeegee Pressure	0 - 12 kg
Repeatable	± 0.015 mm
Squeegee and screen parallel	± 0.01/100 mm
Cycle rate max	1000 PPH
Dimensions	1730 x 1385 x 1430H mm
Approx. Weight	450 Kg
Compressed Air	5 Ate 50 L/min
Power	380V 3+N+T 5A 50 Hz