

C1010 FAST SCREEN-STENCIL PRINTER



AUREL C1010 is a very fast screen/stencil printing machine with security cover that can print area up to 160 x 160 mm.

C1010 grants the highest productivity for hybrid circuits standard sizes (up to 6" x 6").

C1010 can be equipped with exchangeable fixtures according to the substrate drawing with vacuum or mechanical clamping system.

APPLICATIONS

AUREL C1010 is a free standing fast screen printer with cabinet and security cover that can print area up to 160 x 160 mm, assuring uniform deposition from corner to corner.

24-06-19 15:55:35		MACHINE DATA		AUREL AUTOMATION	
forward speed	mm/s	0			
backward speed	mm/s	0			
start print	mm	0			
end print	mm	0			
Delay contact	ms	0			
Printing delay	ms	0			
Delay squeegee	ms	0			
Delay table light	sec	0			

Some applications for electronic and general industrial purposes are:

- Thick film and polymer pastes
- Multilayer Hybrids
- Solder paste for SMT
- Glues, adhesives, resins
- Through holes metallization
- Solder resist
- Sensor elements
- LTCC and Via Filling

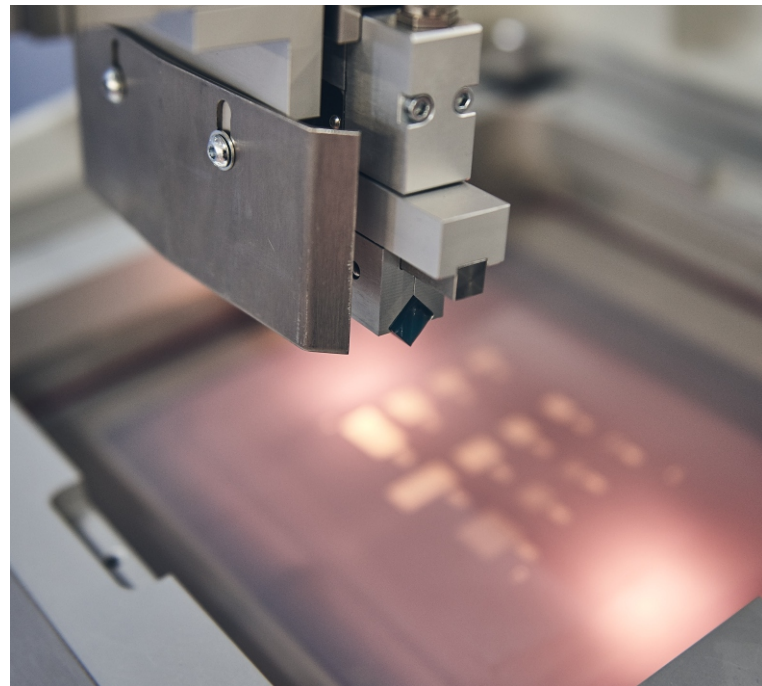
CONTROL SYSTEMS

- The machine is PLC controlled and allows a great deal of flexibility on all functions
- Touch screen panel with user friendly interface
- Pint and flood, alternate print, contact and off-contact print double print.
- Digital reading of speed, pressure and parallelism
- Machine diagnostic
- Machine hood & lifting and locking safety switches
- Work recipes storing
- Pneumatic System to lift up the arm
- Print gap measurement set

USER-FRIENDLY INTERFACE WITH TOUCH SCREEN PANEL

HEAD

- One intelligent head on high precision slides
- High sensitive squeegee for fine-line printing, low pressure, constant angle, no vibration.
- Controls of printing pressure, speed and printing delay
- DC motor driven head allows smooth movement and precise speed & stroke adjustment in both directions.
- Configurable: one squeegee, one squeegee and flood blade.



PRINT HEAD SQUEEGEE & FLOOD BLADE

BASE

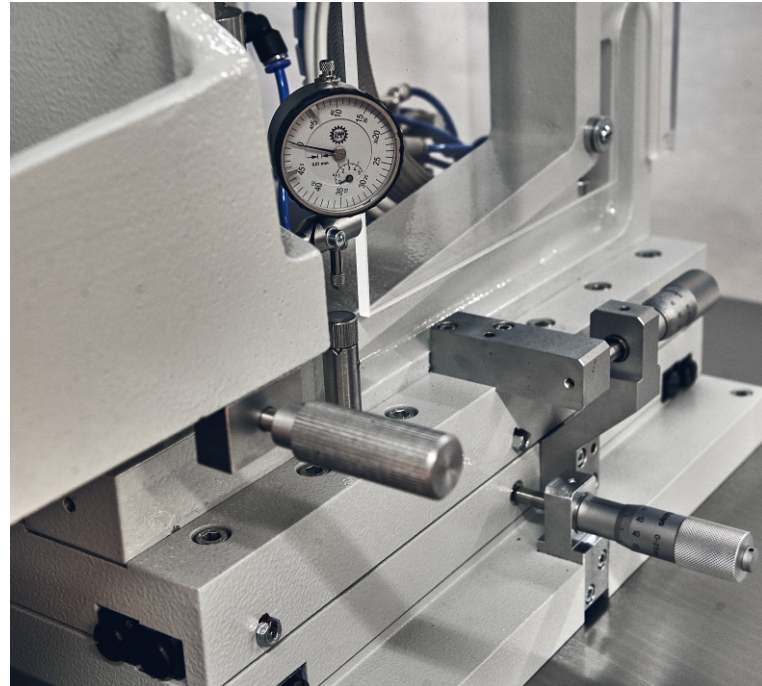
- Heavy bench for high stability mechanics.
- High Precision Screen Alignment by X-Y-θ and Z adjustments with centesimal micrometers.
- Transparent cover and Full operator's security (CE marked).



BACK LIGHT TABLE

OTHER OPTIONS

- PHM, Programmable Holes Metallization and VIA filling
- Custom worktable with retractable pins
- Loader/Unloader System



SCREEN HOLDER ALIGNMENT BY MICROMETERS

WORKTABLE

- Lighted for an easy substrate alignment.
- Substrate hold down by vacuum, Venturi ejector included.
- Vacuum detector for substrate presence and chamber sensor.
- Easily exchange different fixtures according to the substrate size: acrylic or aluminium nest.

FEATURES

Max print area	160 x 160 mm
Max substrate size	200 x 200 mm
Max squeegee width	200 mm
Max screen size	10" x 10"
X-Y adjustment	± 12 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 (more on request)
Printing capacity	10 sec + print time

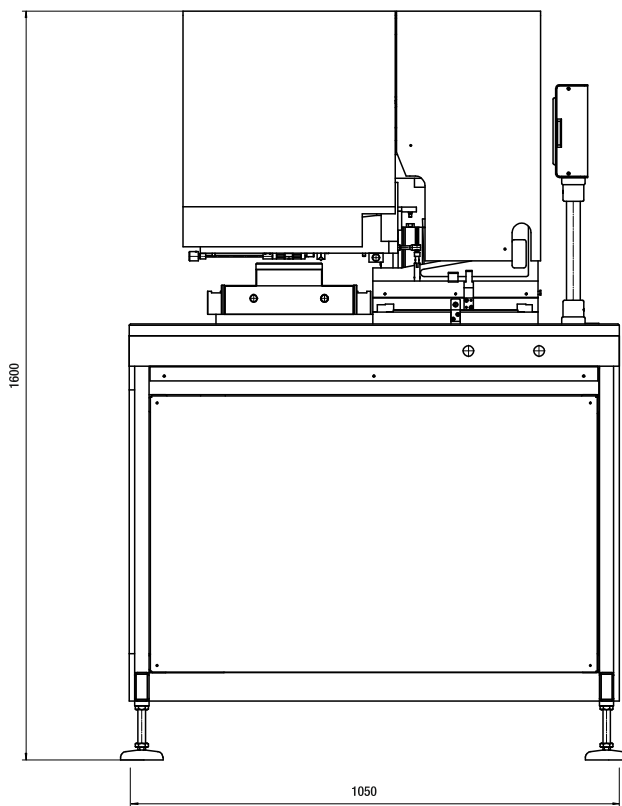
ACCURACY

Carriage repeatability	± 0.01 mm
Squeegee and screen parallel	± 0.02 mm/100 mm

DIMENSION & UTILITIES

Dimensions	1050W x 885L x 1600H mm
Approx. weight	320 Kg
Compressed air supply	5 Ate - 150 NI/min MIN
Power supply	220V - 50Hz - 3A

FRONT VIEW



SIDE VIEW

