AUR°EL
AUTOMATION

VS2025 SCREEN PRINTER

ROLL-TO-ROLL LINE

AUREL Automation supply R2R line for flexible substrates used for RFID, Smart cards and lables, FPC, OLED, Heaters, Plastic PV, Fuel cell, Sensors.

The lines can integrate Screen-Stencil Printers, Ink-jet, Laser, Pick&Place, Die-Bonding. Ovens for Drying-Curing-Reflow.

High Precision screen printer for large substrates.
Printing area up to 800 x 600 mm.
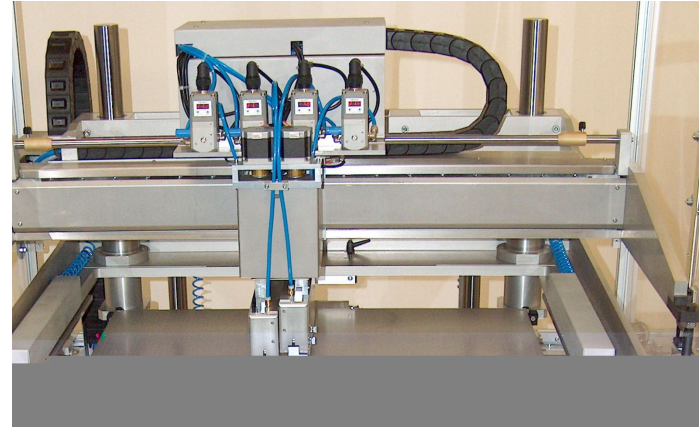Special fixture for flexible substrates.
Roll-to-Roll automation.
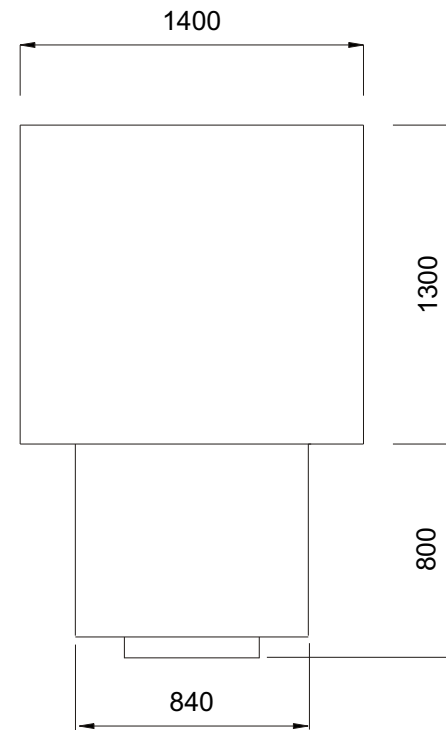
CE

STANDARD FEAUTERS

- Double squeegee head for the use of metal squeegees or rubber squeegees.
- Squeegee drive actuator with DC motor and very smooth movement of the printing head.
- Printing mode:Contact, Off Contact, Single Print, Double Print, Print & Flood, Delay after Print.
- High precision and repeatability for fine-pitch and fine-line printing.
- Motorized squeegee with programmable printing pressure and down stop.
- X–Y–q adjustments by centesimal micrometers.
- Motorized and programmable screen lift movement (Z axis) for the function "slow snap–off" very important on fine line printing.
- PC control, Windows SW with menu programming of all printing parameters, diagnostic, data storage.
- Screen holder and printing head lift for easy set up and cleaning.

PRINTING HEADS

PC CONTROL

SPECIFICATIONS

Print Area	790 x 600 mm (Max)
Printing Stroke	840 mm
Max Squeegee width	620 mm
Screen size	1000 x 850 mm O.D.
Work holder table size	840 x 640 mm
Vacuum area	820 x 620 mm
Carriage Repeatable	0,025 mm
X – Y Adjustment	12,5 mm
Z Adjustment (Screen Height)	± 6 mm
Adjustment (Rotation)	± 3°
Squeegee Speed	0 ÷ 300 mm/s
Squeegee Pressure	1 ÷ 16 kg
Height with cover	1880 mm
Height to substrate	900 mm
Approx. Weight	600 kg
Compressed air	5 bar 100 Nl/min
Power	400V 1000 W

OPTIONS

- Vacuum fixture for thin foils hold down
- Holes metallization or holes filling
- Clima control
- Vision system
- Automatic stencil cleaning
- PCB or foil cleaning station
- Roll-to-Roll printing
- Automatic handling system