

SPECIFICATIONS C920

FEATURES

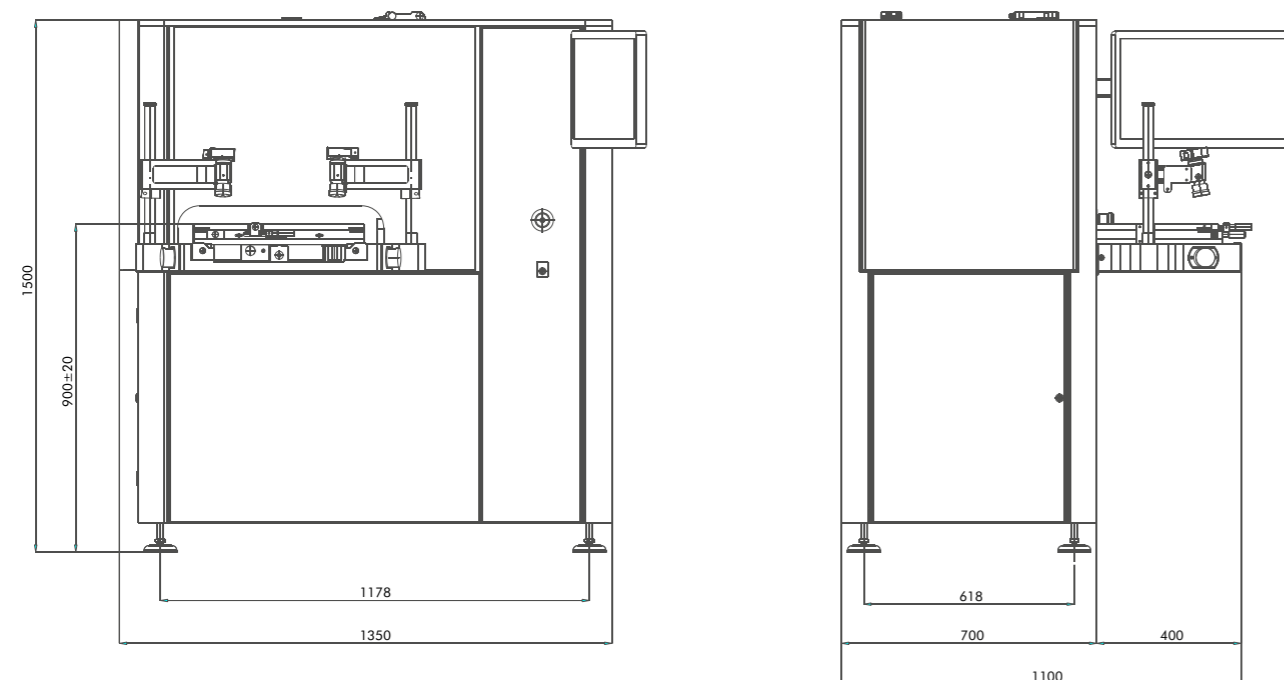
Max print area	350 x 400 mm
Max substrate size	450 x 450 mm
Max squeegee width	400 mm
Screen size	540 x 540 mm
X-Y adjustment	± 25 mm
Z adjustment (screen height)	± 10 mm
Theta adjustment (rotation)	± 3°
Print stroke	50 - 400 mm
Squeegee speed	0 - 300 mm/sec
Squeegee pressure	0 ÷ 12 Kg

ACCURACY

Carriage repeatability	± 0.15 mm
Carriage resolution	± 0.0005 mm
Squeegee and screen parallel	± 0.02 mm / 100 mm
TV Camera resolution	0.001 mm
Vision system repeatability	± 0.001 mm
Total system repeatability	± 0.012 mm

DIMENSION & UTILITIES

Dimensions	1100W x 1350L x 1500H mm
Approx. weight	400 Kg
Compressed air supply	5 Ate 25 NI/min MIN
Power supply	230 V - 50Hz - 4A



59B1015

C920 SCREEN-STENCIL PRINTER



AUREL Mod. C920 is a high precision free stand screen/stencil printing machine and meets the requirements for high quality automatic printing on large areas. The main application in the electronic are thick film, SMT, polymeric pastes, solar cells.

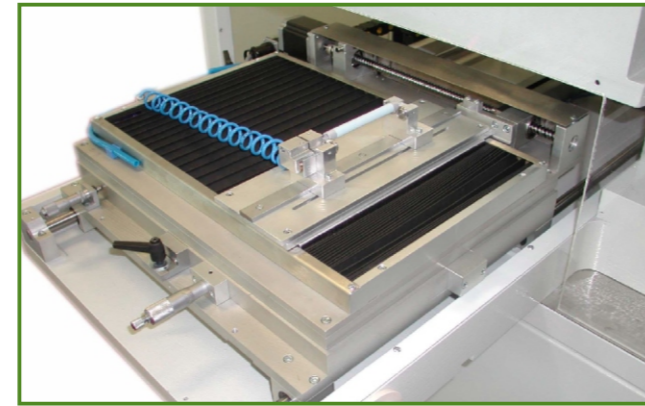
Mod. C920 can be equipped with a vision system and two TV cameras to simplify the alignment operation between screen/stencil and substrate.

APPLICATIONS

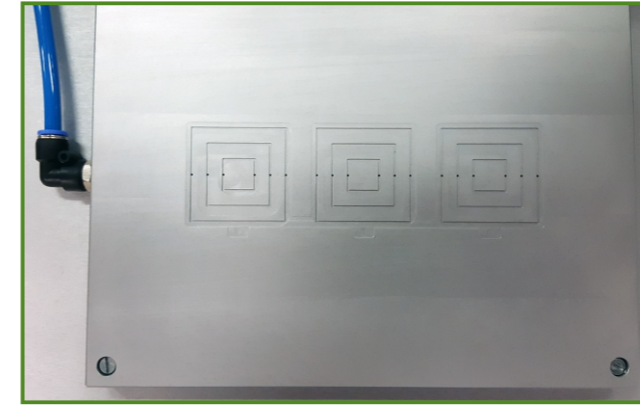
AUREL Mod. C920 is a free standing screen-stencil printer with cabinet and security cover that can print area up to 350 x 400 mm, assuring uniform deposition from corner to corner.

Some applications for electronic and general industrial purposes are:

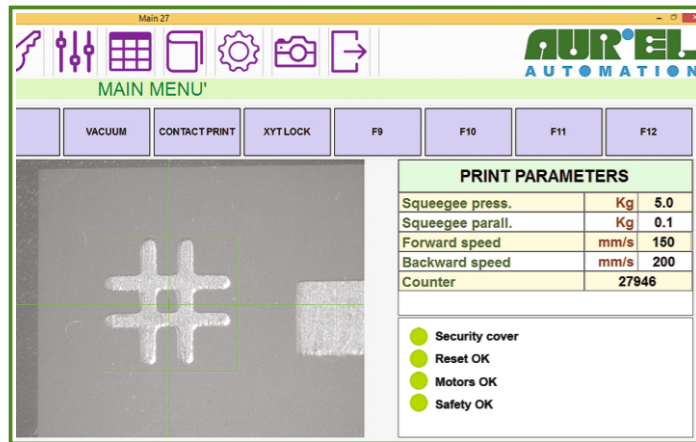
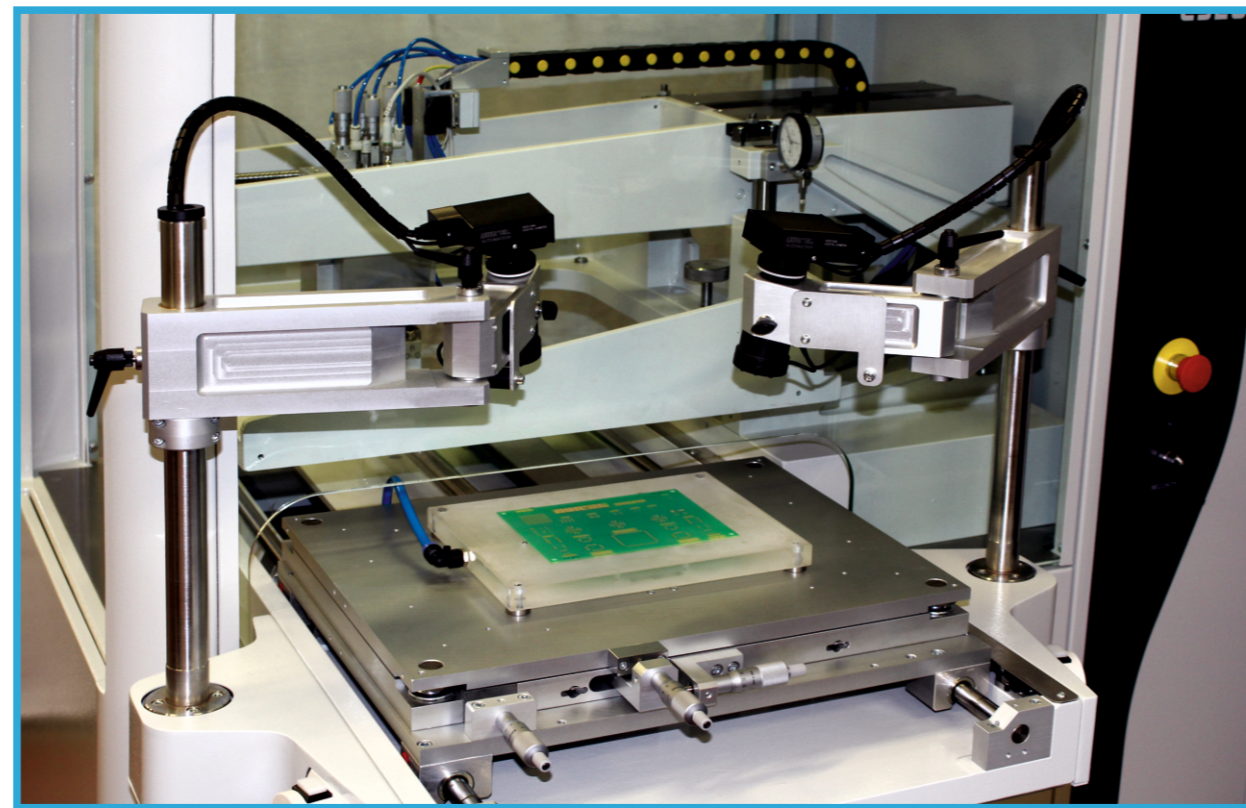
- Thick film pastes
- Solder paste for SMT
- Glue, adhesive, resin
- Polimeric pastes
- Solder resist
- Flexible Foils
- Membrane switch panel
- Solar cell
- LTCC and Via Filling
- Through holes metallization



CHUCK FOR PRINTING ON CYLINDRICAL PARTS



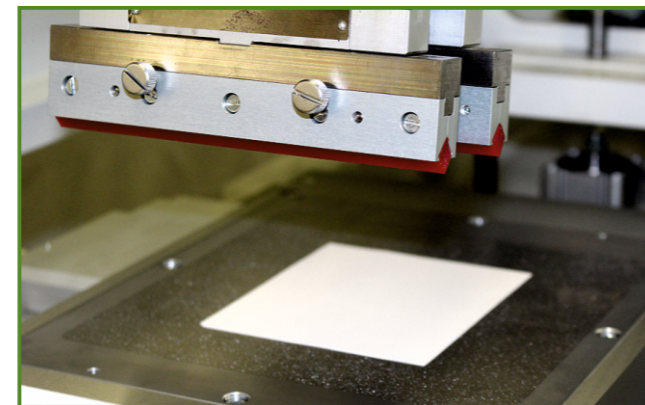
CUSTOM TABLE HOLDER



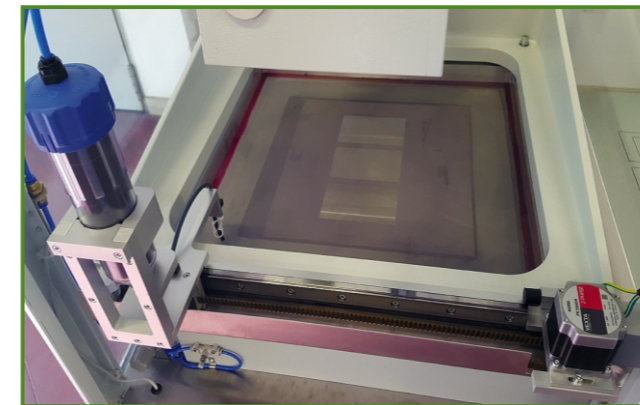
USER-FRIENDLY INTERFACE WITH TOUCH SCREEN MONITOR

CONTROLS

- The machine is PC controlled and allows a great deal of flexibility on all functions
- Windows © Operating System
- Wide touch screen monitor with user friendly interface
- Print and flood, alternating print and after print delay
- Programmable printing speed and pressure
- Machine diagnostic
- Work recipes storing and data logging
- Machine hood & parts lifting and locking safety switches



POROUS TABLE FOR FLEXIBLE SUBSTRATES & GREEN TAPE DOUBLE SQUEEGEE HEAD

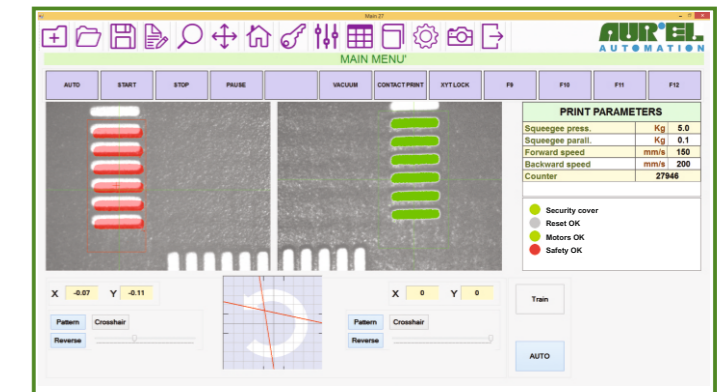


PASTE RELOAD DISPENSER

FEATURES

- Double squeegee head
- Speed & Pressure digital control
- Automatic shuttle table
- Large printing area (up to 350x 400 mm)
- Print & Flood, Print & Print, Print + Print
- Contact and off contact
- Printing head dc motor drive
- Programmable adjustment of the printing speed & stroke
- Precision X-Y-Theta work table for accurate substrate alignment
- Substrate hold-down by vacuum
- Vacuum pump included
- All movements on precision ball bearing linear slides
- High precision print head with micrometric height and down stop adjustment
- Print gap measurement set

PRO ALIGN VISION SYSTEM



VISION (AS OPTION)

- Pro Align Vision system
- Two TV cameras
- Graphic overlapping of the memorized fiducials on the "life" image
- Accurate alignment by manual micrometers
- Programmable tolerance to achieve very high precision (for fine line and fine pitch)

OTHER OPTIONS

- Screen adapters
- Special fixtures and chucks (easily interchangeable)
- Screen service
- Paste reload dispenser
- Pneumatic screen locking
- Chuck for printing on cylindrical parts