

SR 3100 AUTOMATIC SCREEN PRINTER

The SR 3100 is the first model of a new generation of fully automatic printers manufactured by TWS Automation.

A new user-friendly LINUX based control software, totally virus free, combined with an high resolution vision system enables the operator to reduce set-up time and gives high precision and repeatability in the printing process. It is extremely easy to use: all the alignment steps between board and frame are totally automatic and operator can check the operation through an on-board LCD screen.

The innovative double loading system makes the production faster , thanks to the versatility of loading the machine on both sides: operator is able to load a new board while the machine is working to maximize throughput.

Motorised snap-off and a very large printing area give to this machine features of great flexibility and productivity.

A solid and compact structure reduce the space necessary to place machine, giving great stability.

A vacuum system to hold the board is available.

Machine is equipped with 250 mm squeegees as default.



TECHNICAL SPECIFICATION

- **Print area:** 440x440 mm.
- **Maximum frame size:** 670x700 mm
- **Maximum PCB thickness:** 6 mm
- **Printing cycle:** Programmable
- **Squeegees:** Two independent, self levelling, pressure controlled
- **Printing pressure:** from 4 to 24 kg
- **Board snap-off:** Programmable speed and excursion
- **Fiducial:** Board and frame fiducial search
- **Board support:** support pins and vacuum (option)
- **Cycle time:** 18-25 sec (depending on squeegees movement)
- **Compressed air supply:** 6 bar
- **Max consumption:** 60 l/min
- **Power consumption:** lower than 1 kW