# R29V Series 29" Semi-Automatic Screen Printer

**Overview :**

The all-new R29V series of screen printers bring major advances in the technology and functionality of mid range stand-alone solder paste printers. Providing features and user benefits previously only found in more expensive SMT printers.

An easy-to-use Windows based interface combined with state of the art microcontroller based servo electronics, provides precise repeatable control of all printer functions.

**Main Features**

- 29" standard frame (multi-purpose screen frame adptor is available for smaller sizes).
- Robust yet precise mechanical construction with outstanding printhead stability.
- Closed loop servo motion control.
- Dual squeegee print carriage.
- Automatic stencil loading, positioning, clamping and ejection..
- Easy-to-use twin camera vision system for ultra-fine pitch printing. (Inc Digital Zoom facility)
- Optional underscreen cleaner with standard wet/dry operation or with additional vacuum filter option..

**Specifications:**

| Description | Output |
|---|---|
| Maximum board size | 550 x 510 mm up to 680 x 800mm(Dependant on model and special tooling) |
| Minimum board size | 50 x 25 mm |
| Maximum board weight | 5 Kg |
| Maximum board thickness | 10 mm |
| Maximum underside clearance | 20 mm |
| Minimum board edge clearance | 0 mm |
| Registration repeatability | +/- 10 microns |
| Print area | Up to 608 x 620mm(Dependant on model and special tooling) |
| Printing modes | Print/Print, Print/Flood, Flood/Print1 or 2 deposits - Other modes on request. |
| Stencil frame size | 736 x 736 x 38mm mm (external) - 29 inchesUpto 736 x 810mmStencil frame adaptors available up to maximum stencil frame dimensions. |
| Stencil location | Auto stencil positioning and clamping |
| X/Y stencil alignment range | +/- 10 mm |
| Radial stencil alignment range | +/- 4 degress |
| Squeegee types | Metal or polyurethane |
| Squeegee widths | 75 - 620 mm |
| Squeegee pressure | 0 - 20 Kg (0.1 Kg increments) |
| Print speeds | 5 - 200 mm/sec (1 mm/sec increments) |
| Snap-off speed | 1 - 20 mm/sec (0.1 mm/sec increments) |
| Print gap | Up to 25 mm depending on tooling used |
| Tooling posts | 2 - 20 mm diameter |
| Throughput time | Typically 10 seconds excluding print time |
| Board file storage | Limited only by available hard disk capacity |
| Utilities | Power supply: 90 - 24 Vac, 50/60 Hz, 400WAir supply: 5 bars clean air |
| User interface | Microsoft Windows XP ProLanguage options available |
| Interface control | Unique button-driven cursor and keyboard |