

ULTRAPRINT 2000 Series

High-Performance, Affordable Stencil Printer

Sophisticated Software Controls

Ultraprint 2000 stencil printers use advanced computer technology to minimize operator intervention in setup and printing processes. Up to 200 individual board files can be stored in memory. A single color monitor with interactive trackball control features video overlays of live camera images and pull-down menus for fast and easy setup. SPC software provides analysis of current process status. Post-print sensors monitor print performance while Adaptive Intelligence provides automatic adjustment of print parameters in response to print results.

Engineered For Flexibility And High-Productivity Environments

The Ultraprint 2000 Series includes a number of high-performance options designed to increase system throughput. The Quick Change Tooling option includes

Customer Benefits At A Glance

The Ultraprint 2000 stencil printer provides exceptional performance and consistency with these benefits to the customer:

- Powerful vision system with advanced gantry motion control for full board coverage
- A full range of fiducials, including existing circuit pattern
- Robust image acquisition through patented vision optics
- Centered stencil image for consistent stencil release
- Dual-programmable print head with independent control over front and back squeegees
- Programmable slow snap-off for optimum deposition

a removable worknest that can be modified off-line, then quickly and easily exchanged. This permits the operator to set up for the next run of boards while another batch is finishing, virtually eliminating changeover time.

Complete program changeover can be accomplished in approximately five minutes.

Extended Conveyor Tracks accommodate special interfaces for a complete range of pre- and post-print SMT equipment.

An Environmental Control Unit maintains an ideal environment for no-clean, water soluble, and other materials used in PCB manufacture. The system maintains stable air temperature and monitors humidity within the print area for consistent, repeatable results.

Ultraprint 2000 Series Machine Specifications

Print Area: 2" x 2" (50.8mm x 50.8mm) to 18" x 16" (457.2mm x 406.4mm); 20" x 16" (508mm x 406.4mm) using workholders

Board Size: 2" x 2" (50.8mm x 50.8mm) to 20" x 16" (508mm x 406.4mm)

Frame Size: 29" x 29" (736.6mm x 736.6mm) O.D. with adapter system for smaller frames

Stencil: X, Y adjustment: $\pm 0.5"$ (± 12.7 mm); Total Y axis travel: 8" (203.2mm); Theta adjustment: $\pm 3^\circ$

Service: 115V or 220V, 60Hz, 30 amp (220V, 50 Hz, 20 amp); Air: 80 to 125 psi at 4 cfm

Dimensions:

Conveyor Length: 51" (1295.4mm) standard; to 66" (1676.4mm) optional

Machine Width: 46" (1168.4mm)

Machine Depth: 64" (1625.6mm)

Machine Height: 54" plus 7" adjustment (1371.6mm plus 177.8mm adjustment)

Shipping Weight: 1500 lbs. (677 kg)



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