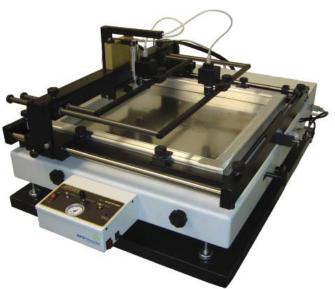


## SPR-45VA SMTRUE<sup>™</sup> VISION ASSIST STENCIL PRINTER

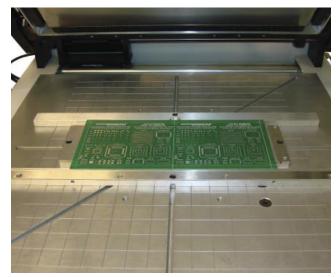
## Your Economical Solution for:

- Prototyping
- Short to Medium Run, High Mix
- Production Environments
- Printing for Ultra-fi ne QFPs, MicroBGAs, and CSPs
- High Magnifi cation 10X SMTrue Vision Assist for precise alignment of components down to 12 mil pitch
- Accurate stencil to board alignment the first time...every time



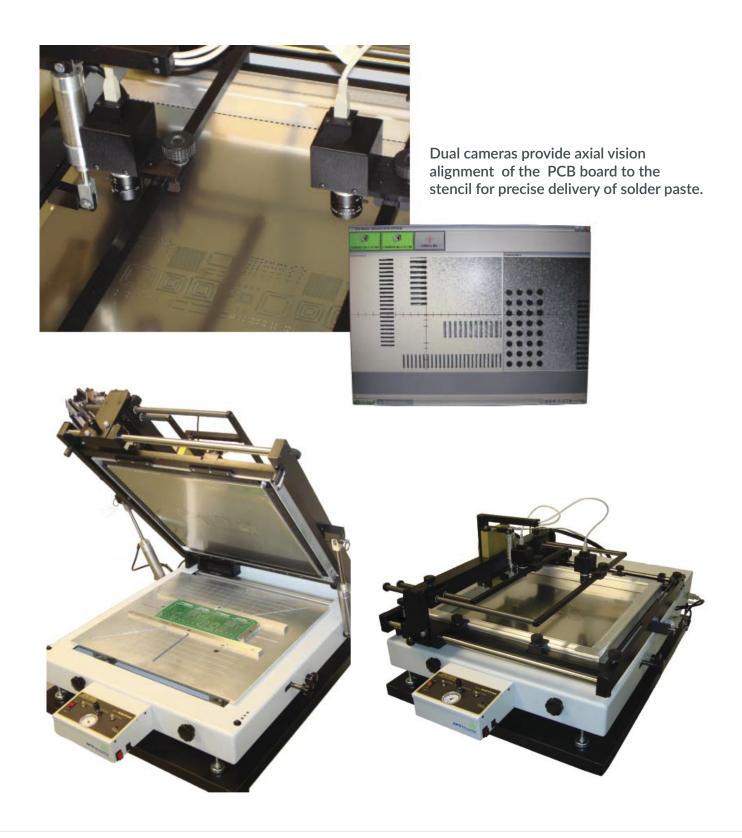
- Ultra fast, convenient, single and double-sided PCB loading and unloading
- Repeatable fi ne X, Y, Z, and Theta positional adjustments

## Features



- SMTrue Vision Assist 10X magnification, axial alignment of stencil to board down to 12 mil ultra fine pitch, single or dual camera, software, communication cabling, and computer
- Pneumatic adjustable power sweep squeegee for printing with single or dual stroke
- Power frame lift for higher volume production
- Fine X, Y, and Theta adjustments for exact, repeatable stencil to board print alignment
- Single Z-axis self leveling adjustment

- Quick change spring loaded double sided PCB nesting kit
- PCB vacuum hold down (optional) Adjustable frame holder compatible with all tubular or cast 23" x 23" framed stencils
- Adjustable, reproducible angle-of-attack squeegee adjustments
- Dual squeegee holder (urethane or metal) with independent print force adjustment for clean,



## **Product Specifications**

Printing Resolution	Down to 12 mil pitch components
Dual Squeegee	Yes
Urethane or Metal Squeegee	Machine supplied with 2 of each type squeegee
Single or double pass	Yes
Linear squeegee guide	Automatic
Adjustable angle of attack	Yes
Adjustable squeegee pressure	Pneumatic
Adjustable squeegee speed	Pneumatic
Maximum print area	16" x 18" (406mm x 457mm)
Compatible stencil frame size	Up to 23" x 23" (584mm x 584mm)
Foil Frame compatibility	Yes
Automatic power frame lift	Yes
X & Y adjustment	± 0.5000" (12.7mm)
Z axis adjustment	0 to 5/8" (16mm) single knob, self-leveling
Theta adjustment	Single knob to $\pm$ 5 degrees
Clear Lexan $\ensuremath{\mathbb{R}}$ fi xture for initial registration	Yes (X, Y, and Theta)
Nesting kits for single and double sided PCBs	Quick exchange, spring loaded
Vacuum hold down option	Yes
Outside frame dimensions	23" x 23" (584mm x 584mm)
Air Pressure	80 psi (5 bar)
System Dimensions (H x W x D)	16" x 30" x 35" (406mm x 762mm x 889mm)
Height with stand option	47" (1194mm)
Approximate Weight	160 lbs (68kg)
Power	120 VAC, 50/60Hz, 2Amp (220-240 VAC available)