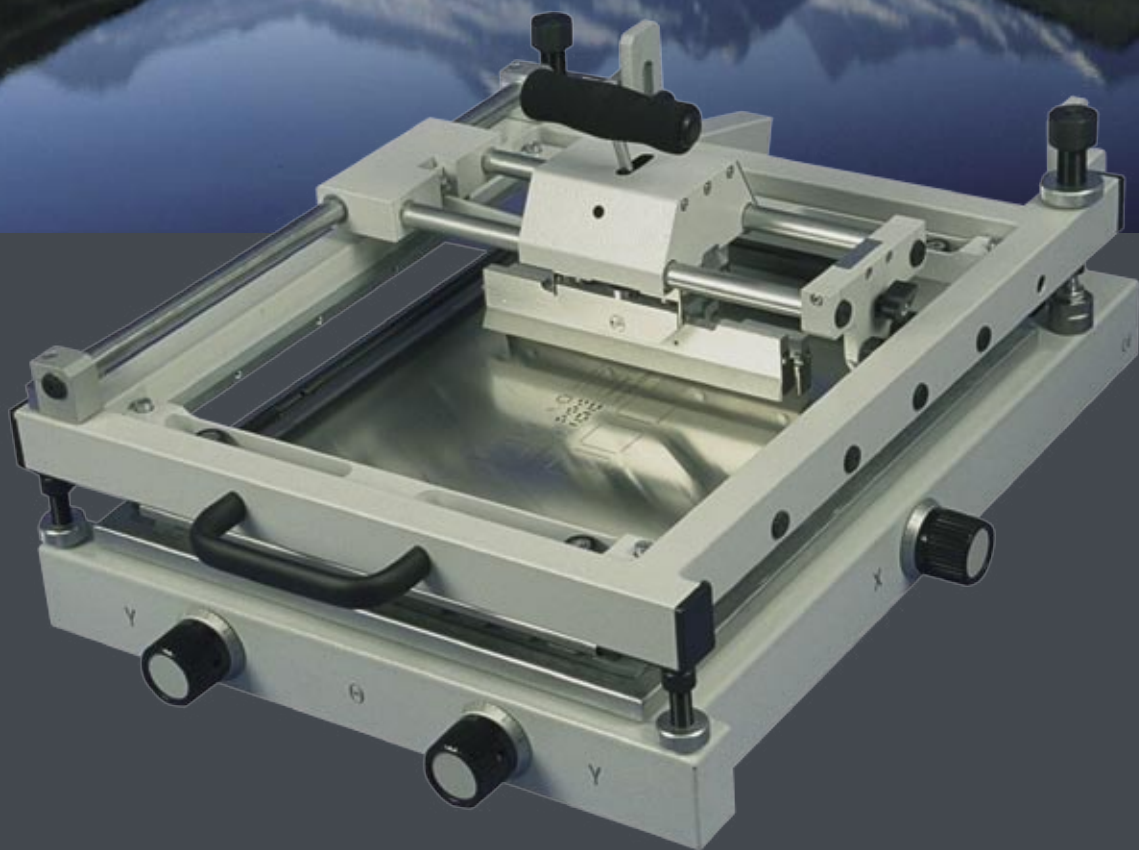


# SP002 /-L Screen-/Stencil Printer

Manual fine pitch printing system



**RCAB**

+46 (0) 70 582 04 51

info@rc-ab.se

www.rc-ab.se

# Precise printing system for low volumes

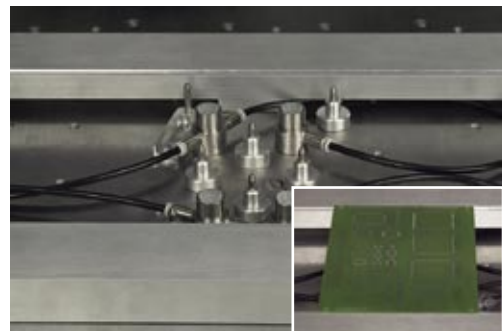
- Holders for PCB, flex or ceramic
- Squeegee guidance for precise printing
- Gas spring support for frame opening
- Welded, rigid steel construction
- Precise x/y/theta fine adjustment
- Versatile screen frame fixation
- Test print frame for quick setup
- Pneumatic parallel separation

Printing of solder paste or adhesive for SMD productions is one of the most important process steps. Surveys are showing that poor printing relates to over 70% of all manufacturing errors when processing PCB's. In today's highly competitive markets is quality the key factor also for smaller batches.

The SP002 printer is packed with features normally available only on large production printers, helping you to achieve today's quality goals.



Four precise ball supports and the free hinge assure a repeatable positioning of the print frame to the substrate. After printing the table is first lowered pneumatically and then opened (supported by gas spring).



For support versions are available: flexible magnetic table (see picture), groove table for single sided PCB, vacuum table for flex material and flat table to build up customer specific holders.



The squeegee guidance controls the squeegee pressure and angle for both the forward and backward motion. Due to the centered fixation of the squeegee, the printing pressure is distributed even over the whole width. Rubber or metal squeegees can be used.

### Standard or large

The SP002 printing system is available in 2 sizes. The L-model is recommended for frames up to 585x585 mm (23"), the standard model holds frames up to 497x381 mm (19.6x15").

### Quick setup

With the test print frame the printer can be set up with one single print on Mylar.

### Flexible

A universal frame fixation system allows to use of different screen or stencil tension frames. Fast clamping systems for different sizes are also available.

### Versatile

The SP002 can be recommended for all possible screen or stencil printing tasks, such as solder paste, glue, colours, etc.

### Free of Any License

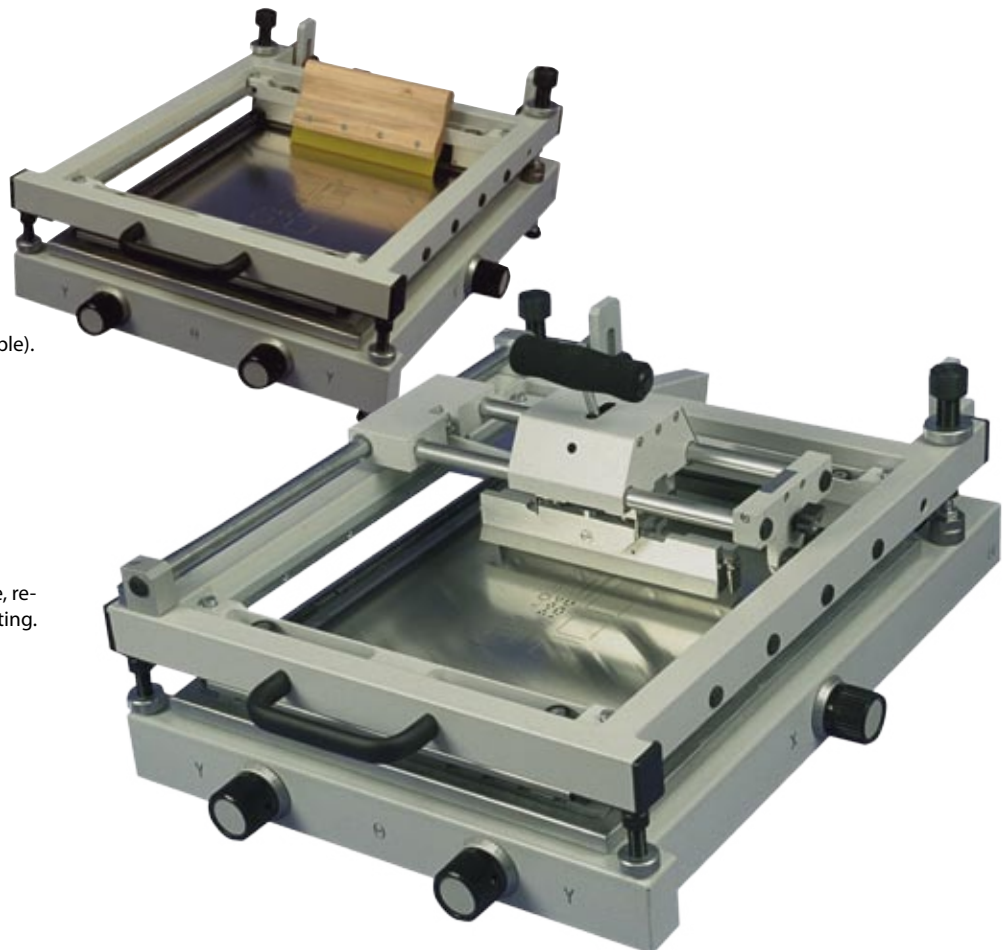
There is no license fee for the stencil frame system of the SP002.

### Upgradeable

The squeegee guidance can be retrofitted on installed printers at any time.

### Reliable

A very solid machine frame and a robust design guarantee a long life time and high quality printing.



SP002 with manual squeegee (squeegee guidance upgradeable).

SP002 with squeegee guidance, recommended for fine pitch printing.

# Flexibility made in Switzerland



Essemtec AG in Aesch, Switzerland, is developing, building and distributing flexible production systems. Founded in 1991, the enterprise has become a world leading manufacturer of machines for electronics production.

Customer's investment is always protected: the compatibility of the products allows the expansion of an existing line capacity or performance at any time.

The machine's software and hardware are developments of Essemtec. Therefore, customer specific solutions can be realized in short time.

## Product range

- Dispenser
- Printer
- Pick+Place
- Reflow oven
- Wave soldering system
- Component storage system and software
- Handling system
- Turnkey lines
- Customer specific solutions
- SMT production planning software



Essemtec delivers SMD turnkey lines complete with the process know how.



## Essemtec AG

Mosenstrasse 20 • CH-6287 Aesch/LU • Switzerland  
 Phone: +41 (0)41 919 60 60 • Fax: +41 (0)41 919 60 50  
 Email: [info@essemtec.com](mailto:info@essemtec.com) • Web: [www.essemtec.com](http://www.essemtec.com)

## Essemtec Germany

Phone: 08106-248 622 • Email: [info@essemtec.de](mailto:info@essemtec.de)  
 Web: [www.essemtec.de](http://www.essemtec.de)

## Essemtec USA

Phone: 856-218-1131 • Email: [sales@essemtec-usa.com](mailto:sales@essemtec-usa.com)  
 Web: [www.essemtec-usa.com](http://www.essemtec-usa.com)

## Essemtec India

Phone: +91 9880 795 227 • Email: [sales@essemtec-india.com](mailto:sales@essemtec-india.com)  
 Web: [www.essemtec-india.com](http://www.essemtec-india.com)

For a complete list of all representatives and more product information visit our website:

[www.essemtec.com](http://www.essemtec.com)

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+46 (0) 70 582 04 51  
[info@rc-ab.se](mailto:info@rc-ab.se)  
[www.rc-ab.se](http://www.rc-ab.se)