europlacer

HIGH MIX
PRODUCTIVITY



High-Mix Productivity

EP700

"Europlacer printer platforms are the result of years of meticulous materials, manufacturing and process control excellence. Complementing our pick and place equipment range, the EP700 Series is engineered to deliver streamlined performance at low ownership costs for high, medium and low-volume production applications."

AUTOMATION

Flexible automation is at the very centre of the platform. EP700 Series printers are comprehensively equipped with almost every parameter fully programmable.

That's how they address the critical demands of fast set up and product changeover to streamline your assembly throughput. Automation features include closed-loop print head control, fully programmable board stops and pneumatic board clamping, as well as direct SMEMA compatibility for easy automated SMT production line integration.

The EP700 Series is the ideal platform for low and medium volume assembly in any challenging high-mix surface mount environment.

ACCURACY

Exceptional repeatability and print accuracy stem from meticulous alignment. Our patented Dual Roving camera (DRc) technology precisely aligns the board and stencil, and checks for solder paste presence on the stencil before printing. DRc innovations include SmartCal, a zero-cost calibration utility designed to maximise and maintain your process window and deliver optimum performance for the life of the printer platform.

ASSURANCE

Europlacer printer platforms are refined, robust, design-optimised products built to last. Be assured that EP700 Series printers will perform identically in a decade as they do when new.

EP700


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CAUTION
FAST MOVING PARTS.
DO NOT REMOVE
INTERLOCKS.
EMERGENCY

LINEAR ENCODERS

Using latest-generation motor drive and control technology, including 1 micron resolution linear encoders on all axes, EP700 Series platforms deliver exceptional throughput capabilities for even the most demanding high volume applications. With the addition of the Velocity or Velocity+ option, the printers achieve best-in-class speeds of 8-second or 6-second core cycle times.





COMPREHENSIVELY EQUIPPED WITH ADVANCED FEATURES AS STANDARD

- **Highly efficient vacuum-assisted under stencil cleaning. Fully programmable. Wet or dry, with or without vacuum**
- **Auto stencil load and eject streamlines product changeover**
- **Closed loop dual squeegee control for print process optimisation. Fully programmable print parameters**
- **Defect prevention with programmable Optical Paste Bead Management. Verifies solder paste presence on the stencil. Alerts to insufficient volume. Safeguards quality**
- **SmartCal cost-free instant process calibration**
- **Maximum positional accuracy with 1 micron resolution linear encoders on all axes**


ONE PLATFORM
NO LIMITS

integrated INTELLIGENCE



EP700

SPECIFICATIONS

Max board size	610mm (x) x 515mm (y)	Clamping thickness	0.2mm to 8mm
Min board size	45mm x 45mm	Board stop	fully programmable
Machine alignment repeatability	12.5µm @ 6 sigma 2Cpk	Cycle time	11.5 secs (standard)
Full process repeatability	20µm @ 6 sigma 2Cpk	Up/down line protocol	SMEMA compatible
X/Y PCB alignment	+/- 5mm	Operating system	Microsoft Windows™ 7 or higher
Stencil load/unload	automatic	Power consumption	13 Amps
Squeegees material	metal or polyurethane	Power supply	110V to 240V AC, single phase
Squeegee pressure	1Kg to 20Kg	Operating temperature	10°C to 35°C @ 30% to 50% RH
Print speed	5mm/sec to 250mm/sec	Weight	650Kg
Board clamping	pneumatic foils (standard)		

As part of our policy of continuous development, specifications are subject to change without prior notice.

europlacer-smt.cn

Europlacer UK
30 Factory Road, Upton Industrial Estate,
Poole, Dorset BH16 5SL
United Kingdom
contact@europlacer.co.uk
+44 (0)1202 266500

Europlacer Americas
4640 E. Elwood St., Suite 14,
Phoenix, AZ 85040
USA
contact@europlacer.com
+1 (480) 672 1100

Europlacer France
Route de Cholet,
85620 Rocheservière
France
contact@europlacer.fr
+33 (0)2 5131 0303

Europlacer Asia
Floor 1, Building 1, No.80 Huashen Road,
Shanghai, Waigaoqiao, Free Trade Zone,
200131, China
contact-china@europlacer.com
+86 (021) 5868 3500

Europlacer Italy
Via Flavia, 35,
34148 Trieste
Italy
contact@europlacer.it
+39 (0)40 832 0563

Europlacer Spain
AV Atenas 127,
19170 El Casar Guadalajara
Spain
contact@europlacer.es
+34 (0)673 171 249

Europlacer Deutschland GmbH
Sebastian-Kneipp-Strasse 41
60439 Frankfurt am Main
Germany
contact@europlacer.de

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