



SMART-SIZED MODULAR PICK-AND-PLACE

Compact, Clever, Simple & Agile

naturally adaptive.



fox.

SMART-SIZED MODULAR PICK-AND-PLACE

Introducing - The Fox Technology - for all types of components and devices. Expandable in any direction.



CELL SOLUTION

LINE SOLUTION

combined process.

- Placing & dispensing in single pass-through
- Jet dispensing of solder paste, glue & more

productivity.

- Up to 7'000 – 18'800 cph per module
- Up to 150'000 dots/h (with Piezo Jet Valve)

small footprint.

- Up to 200 feeder lanes on 1 m² + trays
- Up to 420 feeder lanes per line (3 modules)

mineral cast.

- No vibration, symmetrical mineral casting
- No warpage, no thermal drift

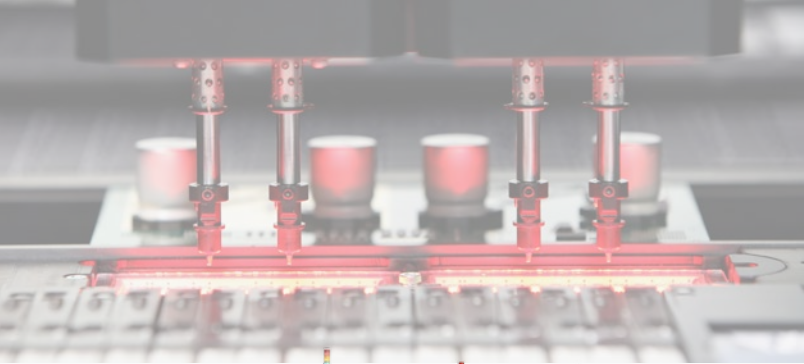
quick changeover.

- Nonstop production, intelligent smart feeder
- Nonstop feeder and production changeover

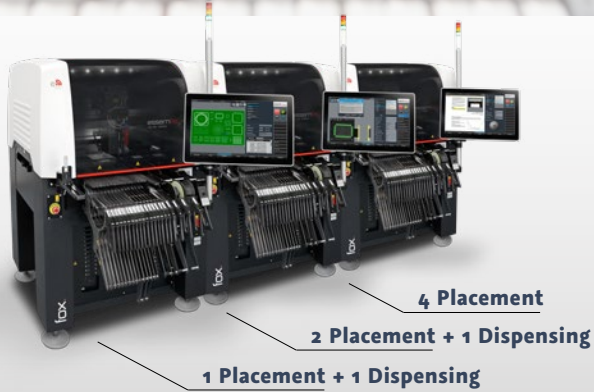
linear motors.

- Fast, reliable double drive linear motors
- No maintenance, longest lifetime

naturally adaptive.



naturally adaptive.



		fox.	fox. ²	fox. ⁴
Productivity	Optimum placement speed	7'000 cph (1-axis)	12'000 cph (2-axes)	18'800 cph (4-axes)
	Optimum jetting speed	-	150'000 dots/h	-
Feeder	Feeder capacity 8 mm tape	180 (120 inline)	180 (120 inline)	200 (140 inline)
Components	Component size range	008004 (imp.) up to 80 x 80 mm (Note specs for constraints)		
Accuracy	Placement accuracy (x, y)	Chip ± 40 µm (3σ) / QFP ± 30 µm (3σ)		
PCB	Max. PCB dimensions	406 x 305 mm (16 x 12")		
Dimensions	Machine footprint	880 x 1090 mm (34.7 x 43")		



**OUR FOCUS - YOUR SOLUTION
SMART SMT EQUIPMENT**

Wildlife consistently shows us with breathtaking flexibility how nature can adapt itself to the many different demands of its environment; that is what inspires us! Essemtec AG is a privately owned company with its development and production site in Switzerland. The product portfolio comprises of production equipment for electronic assembly and more. Our high tech solutions can be adjusted quickly and easily to meet wide ranging requirements; we are therefore able to respond to all manner of customer requests. That's why "naturally adaptive" is our motto across all ranges.

Disclaimer & Copyright:

Information in this brochure is for general information purpose only. Further details are provided in the specification sheet. All materials contained in this brochure are copyright © Essemtec AG, Switzerland, March 2023.

**Switzerland
Essemtec AG**

Mosenstrasse 20
CH-6287 Aesch/LU
Tel: +41 41 919 60 60
info@essemtec.com

**Germany
Essemtec GmbH**

Oskar-Messter-Strasse 25
DE-85737 Ismaning
Tel: +49 893 803 55 15
info@essemtec.com

**France
Essemtec SAS**

50, Avenue d'Alsace
FR-68000 Colmar
Tel: +49 172 287 56 04
info@essemtec.com

**America
Essemtec USA LLC**

300 5th Ave, Suite 1010
Waltham, MA 02451
Tel: +1 856 218 11 31
sales-usa@essemtec.com

