Contact us

Swiss Made

Essemtec AG is a leading company in developing and manufacturing highly flexible Surface Mount Technology (SMT) production equipment, located in Switzerland.

We specialize in offering high speed fluid dispensing equipment as well as flexible high-mix SMT assembly solutions.

Essemtec AG

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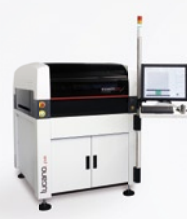Fax: +41 (0)41 919 60 50
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For a complete list of all representatives and more product information please visit our website:
www.essemtec.com

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Printer

tucano. plus
Fully Automatic Inline Printer
- Print format: 600x560 mm
- Up to 29" (737 mm) stencils
- Auto-setup functionality
- 2D post-print inspection

fino.
Semiautomatic Printer
- Print format: 450x500 mm
- Up to 23" (584 mm) stencils
- Programmable print parameters
- 2 fiducial cameras with zoom

sp002.
Manual Fine-Pitch Printer
- Print format: 300x320 mm
- Up to 23" (584 mm) stencils
- Squeegee guidance for precise printing
- Simple setup and operation

Service and Support

Reflow Oven

zonda.
Modular Full Convection Reflow Oven
- 7 to 13 zones
- Speeds up to 140 cm (55") per minute
- Nitrogen option
- Lowest cost of ownership

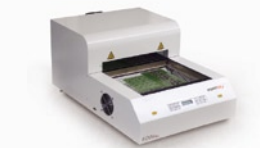## ro400fc.
Full Convection Reflow Oven
- 4 heating zones and 1 cooling zone
- 16" (400 mm) process width
- Soldering or curing
- Chain or belt transport

ro300fc.
Full Convection Reflow Oven
- 3 heating zones and 1 cooling zone
- 12" (300 mm) process width
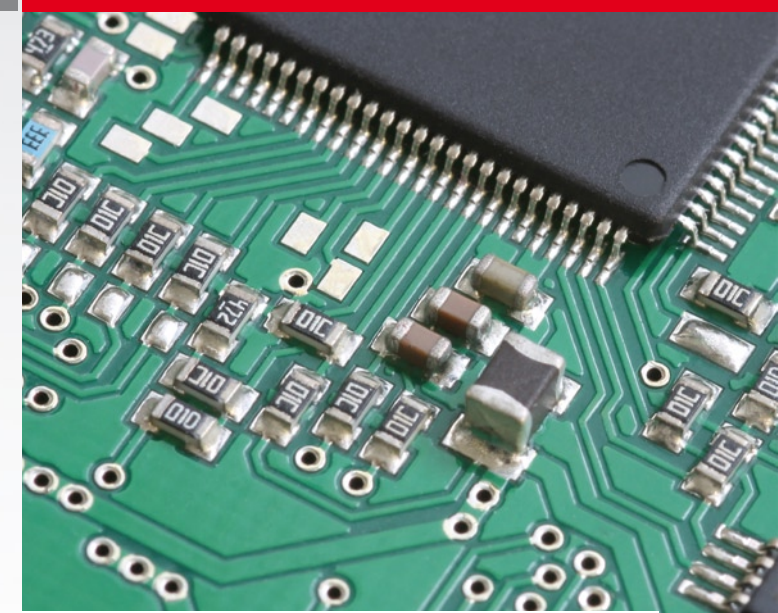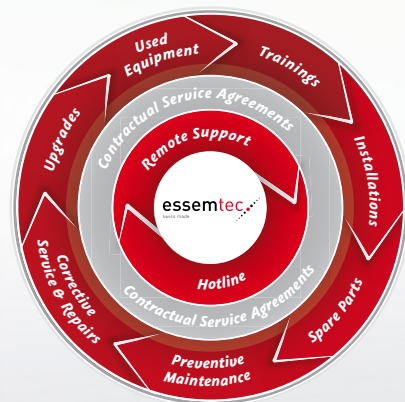- Soldering or curing
- Chain or belt transport

ro06. plus
Batch Reflow Oven
- For prototypes and small batches
- 400x300 mm process area
- Integrated temperature measuring
- Automatic processing

product line.

SMT Assembly and Dispensing

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Dispenser

scorpion.
Dispenser for SMD High-Volume Lines
- Up to 100'000 dots/h
- Up to 4 dispensing valves
- Accuracy of 51 µm (3σ)
- Dots, lines, surfaces and free form patterns

paraquda-mfc.
Jet Printer - Dispenser - Mounter
- Up to 12'000 cph and / or 100'000 dots/h
- High speed jetting of solder paste and glue
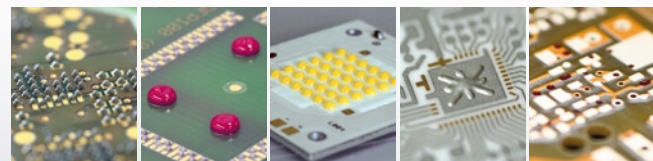- Combination of jet and needle valves
- Up to 240 feeder lanes

Dispensing Valves

valves.
Plug-and-Play Quick Change System
- Piezo jet valves
- Pneumatic jet valves
- Archimedean screw valves
- Piezo flow valves
- Time-pressure valves

Pick-and-Place

paraquda.
High-Mix SMD Mounter
- Up to 12'000 cph
- Component: 01005 to 80x70 mm
- PCB size: 600x400 mm / 1200x400 mm*
- Up to 240 feeder lanes

cobra.
High Precision SMD Mounter
- Up to 18'000 cph
- Component: 01005 to 80x70 mm
- PCB size: 600x700 mm / 1200x700 mm*
- Up to 240 feeder lanes

lynx.
Flexible SMD Mounter
- Up to 4'500 cph
- Component: 0201 to 45x45 mm
- PCB size: 405x305 mm
- Up to 180 feeder lanes

pantera x. plus
Cost-effective SMD Mounter
- Up to 4'500 cph
- Component: 0201 to 45x45 mm
- PCB size: 405x335 mm
- Up to 108 single feeder lanes

expert.
Manual / Semiautomatic SMD Mounter
- Manual operation
- Component: 0402 to 50x50 mm
- PCB size: 425x253 mm
- Up to 37 feeder lanes

* Long board option

Storage

cubus.
Next Generation SMD Storage System
- **Regular:** up to 612 reels
- **Large:** up to 932 reels
- Reel diameters 7 - 15 inches
- Tape width 8 - 72 mm
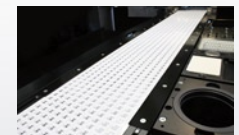- Access time 9 - 11 seconds
- Adjustable shelf spacing
- JEDEC trays

Accessories

added value.
Adapt to Your Changing Needs
- Feeder / Trays
  - Fast indexing feeder (50 ms)
  - Lower cost, cassette feeder
  - Tape strip feeder
  - Vibratory stick feeder
  - Automatic tray changer
  - Label feeder and reader
- Over 50 nozzles and tips for all components
- Component verification unit (LCR)
- Laser height mapping for 2.5D placement
- Long board option (1200 mm)
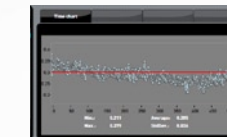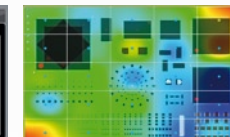- Vacuum, heat and lift tables

Software

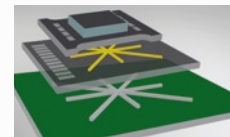**Software Assisted Production Efficiency**
- CAD conversion in less than 1 minute
- Component teaching in less than 2 minutes
- Feeder change / setup during production
- Free choice of feeder placement
- In-situ process monitor
- Offline programming
- Line balancing for multiple tools inline or parallel
- Optimizer for speed or minimum change-over time
- 3D stacking (dispense, place, dispense, ...)
- 2.5D placement / cavities
- Automatic board bow and warp mapping
- SPC Charting

SPC Charting   Laser Height Mapping   3D Stacking

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