



RELIABLE FULL CONVECTION REFLOW OVENS

Compact, Stable, Uniform & Efficient



lizard.

FULL CONVECTION REFLOW OVENS

Introducing - The Lizard - Demands for a modern oven are not only in soldering and curing.



LINE SOLUTION

CELL SOLUTION

productivity.

- 3-5 zone reflow, up to 400 mm process width
- Mesh belt or pin chain conveyor

combined process.

- Soldering or curing - Full convection heating for even temperature distribution

lead-free process.

- For solder pastes with or without lead
- Low thermal stress, efficient heat transfer

controlled process.

- Temp. metering in heating & cooling zones
- Integrated microprocessor for profile control

flexible process.

- Highly reproducible soldering conditions
- Built-in overheat security switches

secure process.

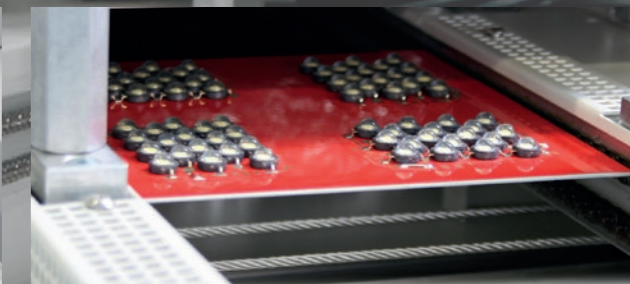
- Closed loop controlled conveyor drive system
- Integrated microprocessor control with LCD



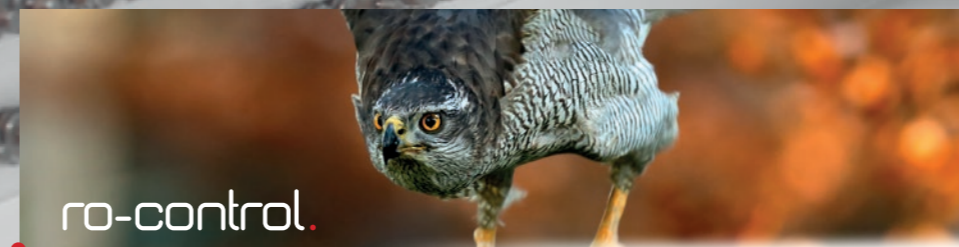
Soldering of complex SMD boards requires a well-controlled process. Demands are not only in soldering, but also in zone regulation, storing of profiles and the extra high air circulating volume.



Full operator support - The integrated microprocessor control provides an easy-to-use operator interface and storage capacity for different solder profiles. All options and accessories retrofittable.



The convection technology applies the same temperature all over the pcb or substrate, making programming as easy as possible. Transport width adjustment of the chain conveyor is motorized.



ro-control.

MULTITALENT SOFTWARE RO-CONTROL – PC software for simulation, control, measurement and documentation of perfect solder profiles, job planning, setup optimisation, easy assistant process support, Integrated microprocessor control with LCD for easy operation, and more

optional.

- RO-CONTROL Software – Simulation and unlimited storage space for programs
- Efficient Cooling – Two highly efficient blowers cool down the PCB
- Transport Systems – Mesh belt or chain conveyor system (with middle support)
- SMEMA Integration – Link the RO400FC with any other compatible equipment
- Process Control – Optional flying thermocouples, temperatures can be recorded



CHOOSE YOUR PREFERENCES

essemtec.
naturally adaptive

		ro400fc.	ro400fc-c	ro300fc.
Control	Board counter	Optional with sensor or standard with SMEMA option		
	Gas temp. adjustment	Adjustable from 20° to 290°C (68° to 554°F) for each zone		
PCB	PCB handling	Mesh	Pin chain	Mesh (or Pin chain -c)
	Substrate width	10-400 mm (0.39-15.8")	60-400 mm (2.4-15.8")	10-300 mm (0.39-15.8")
Conveyor	Conveyor speed range	100-800 mm/min (3.9 - 31.5"/min); Slow speed 10-200 mm/min		
Process	Heated length	1'620 mm (63.8")		1'160 mm (45.7")
Machine	Footprint	2'800 x 914mm (110.2 x 36")		2'000 x 710 mm (78.8 x 28")



FLEXIBLE SMT SOLUTIONS

Essemtec AG

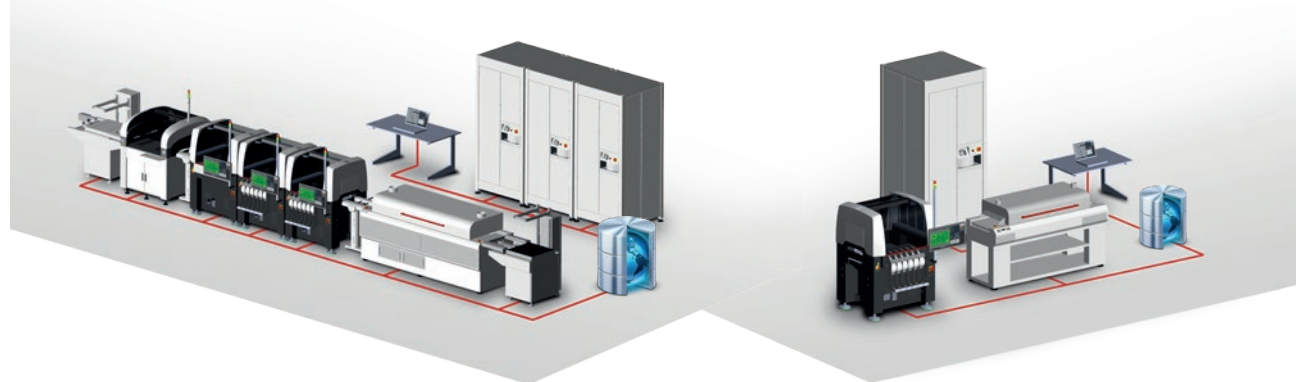
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Wildlife consistently shows us with breathtaking flexibility how nature can adapt itself to the many different demands of its environment; that is what inspires us! Essemtec AG is a privately owned company with its development and production site in 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.

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