



## RELIABLE FULL CONVECTION REFLOW OVENS

Compact, Stable, Uniform & Efficient

naturally adaptive.



lizard.

## FULL CONVECTION REFLOW OVENS

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



**CELL SOLUTION**

**LINE 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

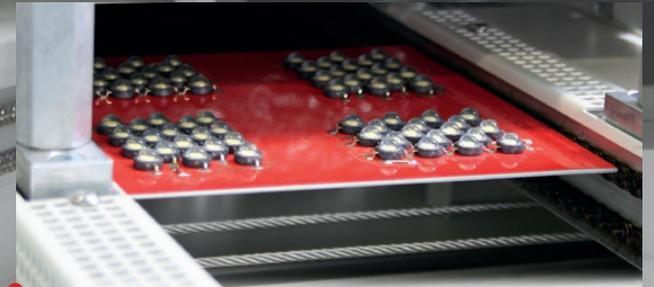
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Soldering of complex SMD boards requires a well-controlled process. Demands are not only in soldering, but also in zone regulation, storing of profiles and the extra high air circulating volume.



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



naturally adaptive.



		ro400fc.	ro400fc-c
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
	Substrate width	10-400 mm (0.39-15.8")	60-400 mm (2.4-15.8")
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")	
Machine	Footprint	2'800 x 914mm (110.2 x 36")	



**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 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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