TRA RX435

8ZONE HOT-AIR REFLOW OVEN

Controlled thermal processing for inline SMT assembly

PRECISION THROUGH EVERY THERMAL STAGE



8 ZONES
4 upper + 4 lower

1400 mm
Heating-zone length

UP TO 400°C
Temperature range

Consistent heat. Flexible transport.

Hot-air circulation, PID closed-loop control and combined rail / mesh-belt conveying support repeatable soldering profiles for SMT production.

Technical Specifications

TRA RX435 | Rail and mesh-belt reflow soldering system

PROCESS & CONVEYING	
Heating zones	8 (4 upper + 4 lower)
Heating method / air supply	Hot air / frequency-controlled air supply
Cooling zones	3 ventilation cooling zones
Heating-zone length	1400 mm
Mesh-belt width / rail width	450 mm / 350 mm
Maximum PCB width / PCB length	350 mm / unlimited
PCB clearance on guide rails	25 mm above + 25 mm below PCB
Mesh-belt PCB dimension*	50 mm (source wording: PCB width)
Mesh-belt height / guide-rail height	880 ± 20 mm / 900 ± 20 mm
Conveyor speed / direction	160–1350 mm/min / left to right
Speed adjustment	Digital display speed regulation
Chain lubrication	Timed automatic oil dripping

THERMAL CONTROL & UTILITIES	
Temperature range	Room temperature to 400°C
Temperature control	PID closed-loop control
Operator interface	7-inch colour touchscreen
Warm-up time / transit time	Approx. 25 min / 3.5–5.5 min
Input supply	AC 380 V ±10%, 50 Hz
Starting power / operating power	15 kW / 3 kW
Recipe storage	Up to 20 sets

DIMENSIONS & WEIGHT	
Overall dimensions (L × W × H)	2720 × 820 × 1360 mm
Machine weight	450 kg

Built for practical SMT production

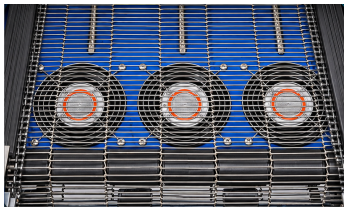
Independent thermal stages, programmable operation and dual transport options in one inline reflow platform.

Designed Around the Reflow Process



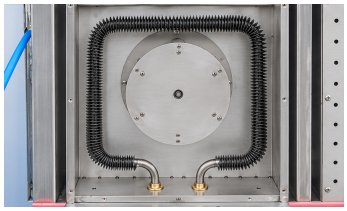
01 Automatic lubrication

Oil cups on each rail support controlled oil volume and timing.



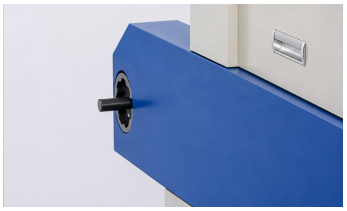
02 Rail + mesh transport

Two PCB transport options with three ventilation cooling zones.



03 Finned heating tube

Efficient heating elements support fast heat-up and uniform temperature.



04 Rail-width adjustment

Manual handwheel provides quick, straightforward width adjustment.

Control, efficiency and everyday operation



TRA RX435 | **Front view**

8heating zones in a compact inline reflow platform.

Temperature-curve capture

Monitor furnace temperature changes and set a profile suited to the solder paste.

Delayed shutdown

Programmable shutdown delay helps protect the furnace and conveyor components.

Recipe storage & touchscreen

Store up to 20 recipes and monitor temperature through the colour HMI.

Insulated stainless-steel chamber

Multi-layer insulation helps retain heat and reduce repeated heating demand.

Serviceable smoke extraction

Split exhaust construction makes cleaning and routine maintenance easier.

Inline production integration

Rail conveying supports connection with upstream and downstream SMT equipment.

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