

# Reflow oven RK 360



- **Reflow oven RK 360**

- **Technical data**

- **Infrared + Air circulation + Air cooling, Pb-free Reflow Oven**

- Surface mounting of units on boards require the exposure of the device package to high temperature to melt the lead finish for board soldering. A lot of the alternative "lead-free" solder materials being considered for use in IC assembly today require a peak soldering temperature of about 250 to 260 deg C, versus the peak temperature of 230 to 235 deg C for Sn-Pb solder. This means that lead-free IC's will need a higher temperature for board mounting, and will therefore be subjected to more severe thermo-mechanical stresses during the process.
- This Oven feature a complete system for today's solder/ Pb-Free solder(300C) requirement. The computer control system for free programmable temperature curve. High power heating element with force air heating method provide a very even soldering hot zone across the total soldering area, This cost effective unit offer high production count ( 4~5 mins per cycle of 360mm x 360mm board) which ideal for low to medium size of SMD production. The static soldering process offer very stable non moving especially important for fine pitch SMD soldering.

- **Features:**

- Infrared Array + Force Air ( high volume, low pressure ) Heating Method.
- Free programmable control for temperature curve setting.
- Internal cooling fan for fast Cool down performance.
- Fully Automatic, fully static ( non moving rail) operation, single or double side board soldering.
- Large transparent glass window see throught the soldering process with high temperature
- Internal complete high gloss stainless steel construction, high IR efficiency and easy to clean, maintenance.
- Ball bearing Rail draw system for stable solider board exchange with minimum vibration.
- Top Open design for quick access to heating element and service.
- Dual channel air circulation for fast cool down process.
- Interface for external PC

- **Specifications:**

- Maximum heating area: 360mm x 360mm
- Free programable in graphical mode
- Maximum temperature: 300°C
- Power supply: AC 220V/50Hz
- Maximum power consumption: 3.650 W, 1,2kW Typ.
- Weight: 55kg
- Dimension: 675 x 630 x 300 mm