

Convection-air pre-heater accelerates and enhances Lead-free rework

OK International PCT-100 Pre-heater Convection Tool prioritises efficiency and low cost of ownership for SMT and through-hole hand processes



OK International has introduced a focus pre-heater for enhanced process control during lead-free hand assembly and rework. The PCT-100 uses convection air heating, to maximise responsiveness and thereby avoid temperature overshoot that can damage components and impair assembly quality.

The PCT-100 can be used with or without a board holder to perform hand assembly or rework tasks on surface mount or through-hole assemblies. A dedicated board holder is available as an option. The PCT-100 can be used with conventional SnPb solders as well as lead-free, delivering a stable pre-heat capability as the foundation to perform assembly tasks at the appropriate peak temperature without distorting the board.

The unit ramps quickly to the desired temperature to maximise productivity, following a controlled slope to eliminate thermal shock to the board and components. The 10cfm fan fitted to the unit enhances both heating and cooling, reducing the total cycle time to pre-heat, solder, and cool each assembly.

“The new unit will be introduced at a highly competitive price,” said Graham Ross, Product Manager, Americas, for OK International. “Combined with the greater operational efficiency that comes with convection air heating, which ramps up and down quickly to

reduce cycle time and improve process control, the PCT-100 will deliver a significant Cost of Ownership advantage compared to the alternatives currently on the market.”

The PCT-100 pre-heater has been designed for production environments world-wide, operating at low levels of audible noise and meeting international standards for ESD safety and maximum casing temperature. The PCT-100 also carries the CE symbol, a mark of high quality and safety performance.

Available Summer 2007.

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About OK International

OK International is a leading global supplier of soldering tools and equipment for electronics assembly. The product range includes bench top soldering and desoldering tools, array package rework equipment, fluid dispensing systems and accessories, and fume extraction systems.

OK International is committed to understanding the product needs of its customers and supplies professional grade products that are innovative, reliable, price competitive and easy to use. Through a global sales channel, OK International provides expert product support and responsive customer service, with localisation to meet regional market needs.