

IR1000

Infrared BGA & SMT Rework Station



Flexible, Intelligent and Incredibly Simple

The IR 1000 is a remarkably flexible and effective rework system at a price point that can't be beat! It is ideal for applications where variability in the work is common as well as for applications where the same work is being performed over and over and through-put is important.

The IR 1000 is capable of installing and removing passives, QFPs, SOICs, PLCCs, MLFs, TSOPs, and coarse pitched BGAs. The IR 1000 incorporates a 500 W top heater and a 400 W pre-heater. The system allows for simple one zone profiles up to more complicated multi zone profiles. It features PACE's exclusive "Learn Mode" that assists the user with developing profiles. The system features a spring loaded, adjustable vacuum pik, a cooling fan, and a built-in, spring loaded, board-holder. The distance between the top heater and PCB can be adjusted and its vertical position is saved in the profile to ensure repeatability.



IR 1000 System Features:

- The free standing board holder allows for maximum flexibility and can also be used for other applications when not using the IR 1000.
- The system has an automated cooling fan that is activated simply by moving it into place.
- The spring loaded vacuum pik can be used to automatically lift the component off the PCB upon complete reflow.
- Laser centering indicator assists in positioning the PCB directly under the heaters and vacuum pik.
- Temperature probe is fitted with a ball/yoke positioner that is held in place with a magnet for maximum flexibility and to get to those hard to reach spots on the PCB.
- System is fitted with a built in vacuum wand that allows for manual removal if required.
- Pre-Heater monitoring prevents an operator from beginning a profile when the heater is not ready.
- Pre-Heater can be turned off or put into SetBack when system is not being used.
- Vacuum pik has built in theta adjustment for easy positioning of components.

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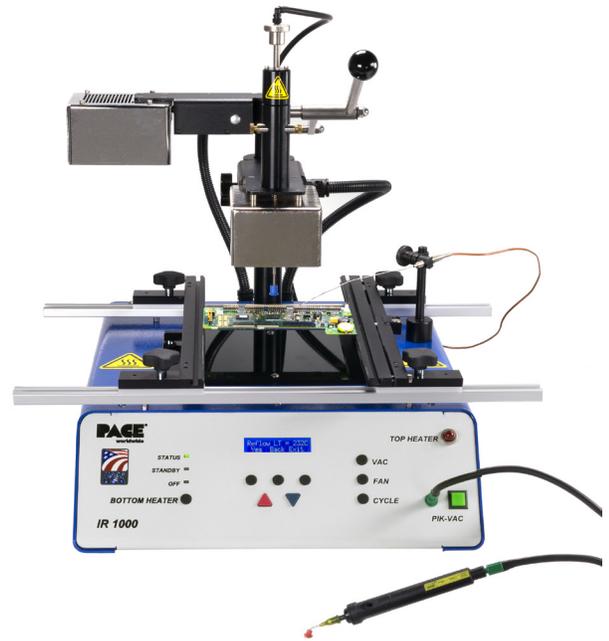
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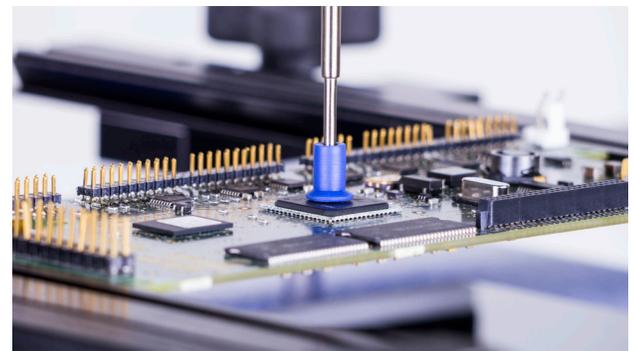
PAGE's exclusive "Learn Mode" utilizes direct thermocouple monitoring to ensure your results. The thermocouple probe is placed on the PCB to control the progress of each stage in the profile. The system "Learns" the appropriate amount of time, in seconds, that is required to reach the target temperatures for each profile phase. The combination of heater settings and actual time are saved in the system or on your PC using the optional IR 1000 software, as a profile that can be recalled any time it is needed. Up to 50 profiles can be stored and recalled from the system memory and an infinite number of profiles can be stored on a PC.

IR 1000	Specifications
Part Numbers	8007-0536 120 VAC 8007-0537 130 VAC
Dimensions	508mm (H) x 483mm (W) x 457mm (20" x 19" x 18")
Weight	19.2 kgs (42.2 lbs)
Power Requirements	115 VAC, 50/60 Hz (Domestic) or 230 VAC 50/60 Hz (Export) 1000W
Pre-Heater	400W, 65°C - 176°C (150°F - 450°F)
Main (Top) Heater	Infra-Red, 250W x 2 (500W Total) Power Level 0 - 20 (20 = Full Power)
Vacuum	5.9 inHg
Max PC Board Size	305mm x 305mm



Magnetic Thermocouple

A Temperature Probe is attached to a magnetic ball/yoke positioner to measure temperature on hard to reach spots on the PCB.



Vacuum Auto Pick-up

Spring-loaded Vacuum Pick can be used to automatically lift component off the PCB upon complete reflow and features theta adjustment.

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