

The Weller WMB 1000 Micro BGA and SMT Rework System protects against thermal damage to components.

A major exhibit at the SMT Fair in Nürnberg is the Weller WMB 1000, a refined rework system for highly sensitive micro BGA and SMT components.

A number of key safety features have been built into the system to make the WMB 1000 fully secure within the production line process.

The selected soldering programme can be stored and locked into the system by the production line manager with the key switch of the Process Timer. A soldering programme consists of six set parameters: Preheat time 1 and preheat temperature 1; Preheat time 2 and preheat temperature 2; and Reflow time and Reflow temperature. In all, up to ten complete set programmes can be stored by using the Process Timer.

A very practical design feature of the WMB 1000 is the Swing arm, with integrated heating element and soldering head, which can be swung to the left during component placement. This thereby ensures that the operator has an unimpeded view of the circuit board. Subsequently, the arm and soldering head can be swung back into the working position for the Reflow process.

A number of gas nozzles, with integrated temperature sensors, are available to match a large range of micro BGA and SMT components. The new slimline soldering heads ensure faster heat-up time and higher performance.

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