

Bergen Systems

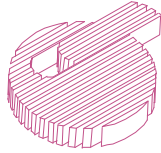
Indian Representative
Bergen Systems Pvt. Ltd.
Gurgaon
www.bergenindia.com



Company Profile

Bernhard Martin started the company in 1982. While he was still studying for his Graduate Engineer's Degree Bernhard developed the first European Adhesive Volume Measuring Device and used this innovation to start his career. Numerous developments and patents followed in the fields of dispensing and rework. Over the years he expanded the range of equipment by introducing complementing units and well-rounded systems. Today MARTIN GmbH, with about 30 staff, is among market leaders in its fields and is represented internationally by a tightly woven network of dealers.

In 2009 FINETECH GmbH, Berlin (www.finetech.de) acquired Martin GmbH, including its know-how and staff. The new owners thus expand their product range with manual and semi automatic rework systems. Martin GmbH will, however, remain a freestanding organization and continue to offer its products and services. MARTIN will carry on with technological developments and the provision of equipment that suits current and future market requirements. The commitment to high quality and reliability remains unquestioned.



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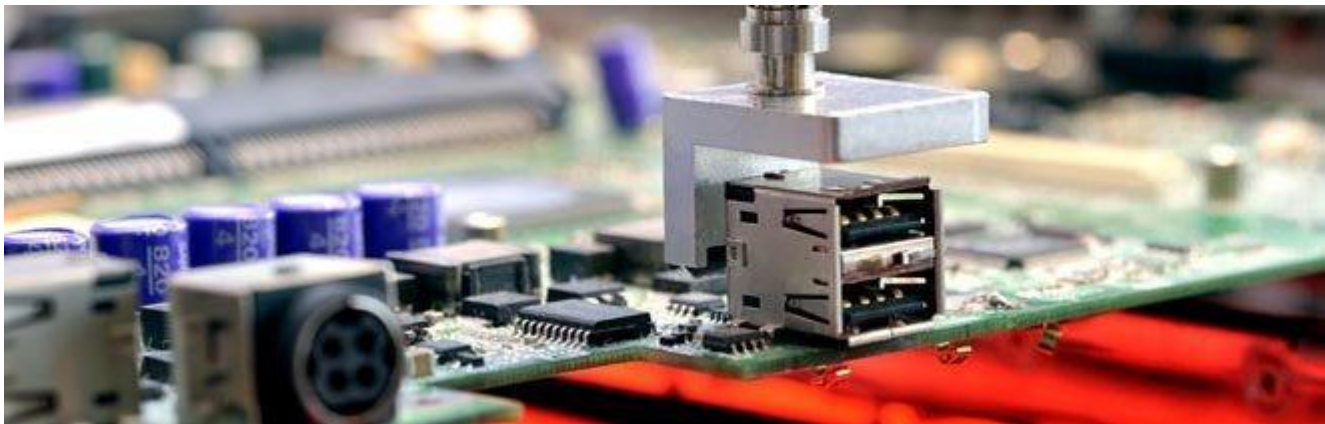
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Rework Station EXPERT 10.6

Rework of BGA, CSP and QFN

The rework stations facilitates the reliable and precise rework of BGA-, CSP-, and QFN-components, connectors and sockets. Innovative technologies such as “**Advanced Vision Placement**”, Hybrid Heating Technology and the intuitively operated “**Easy Solder**” **software** ensure safe soldering and de-soldering without the intervention of operators in the soldering process.



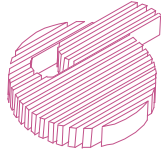
Rework of SMD USB-Socket on Mainboard

These compact rework stations are, in addition to soldering and de-soldering, suitable for removing residual solder and for dispensing fluxes and solder pastes. With the software “Easy Solder” all rework profiles are easily managed.

The EXPERT 10.6 product family offers a comprehensive selection of Hybrid and IR Underheaters to ensure ideal conditions for the different rework applications. MARTIN offers different options and tools to get the best from the equipment in each application.

EXPERT 10.6 Rework Stations





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Rework Station EXPERT 04.6 Manual Rework

The EXPERT 04.6 equipment family provides optimal support in the manual rework station environment. Designed to provide all the function required for Rework, ergonomically arranged in a very compact space, the unit incorporates: heating, residual solder removal and dispensing. The heating technology employed guarantees exemplary soldering results.



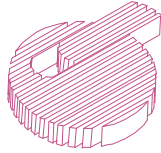
Rework of a shielding frame on a mobile phone

The compact workstations are, in addition to soldering and de-soldering, also able to remove residual solder and dispense fluxes and solder pastes. With the software “Easy Solder” all profiles for rework processes are clearly managed.

Hybrid as well as IR Underheaters are available with the product family EXPERT 04.6 to ensure ideal conditions for different applications. The precise and highly efficient hot air top heating is an important component in any variant of the EXPERT04.6 range of workstations. Top and bottom heating is automatically adjusted to the required parameters by the included “Auto-Profile r”.

EXPERT 04.6 cost effective rework





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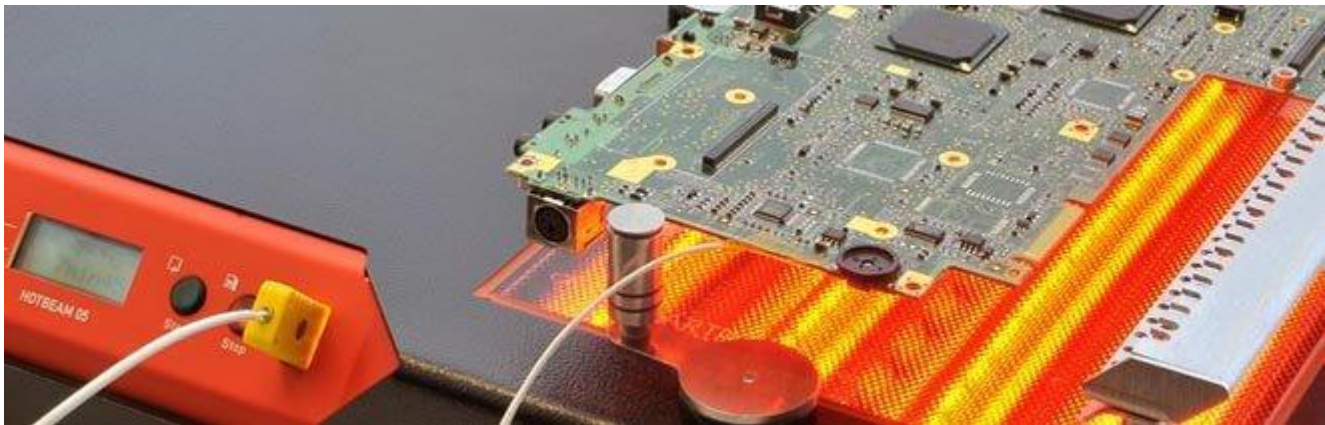
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HOTBEAM family Underheater for demanding soldering

Applications for underheaters range from pre-heating of PCBs for hand soldering tasks over pre-heating for automated machine rework to curing or cracking of underfill.

MARTIN offers a wide choice of underheaters. They can be classified by size of the heater and heater performance. For small boards IR systems are available up to a power rating of 2.000W. For medium sized boards and above Hybrid heaters between 3.000 and 10.000 W are on offer.

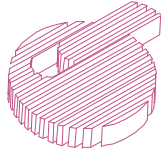


Pre-HEating of a PCB to rework electrical components manually

Hybrid Underheaters can be augmented with additional functions, such as Hot Gas top heating, residual solder removal and Positioning Arm. Please check with your local MARTIN representative as to which combinations and options are possible.

HOTBEAM Underheater





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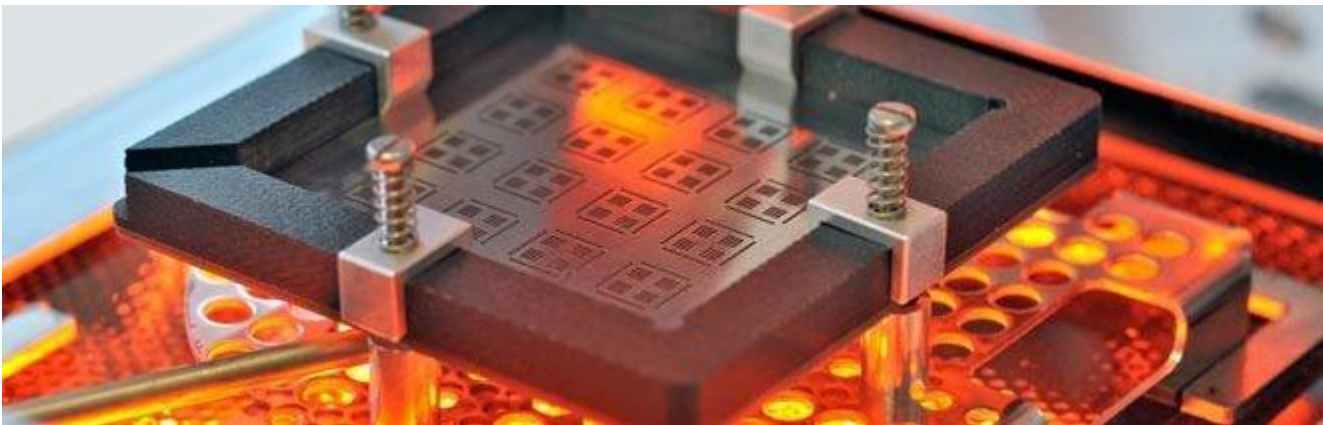
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MINIOVEN 04 Desk Top Reflow Oven

The MINIOVEN 04 provides a fully-fledged reflow environment in a very compact form. This tabletop equipment is ideal for Pre-Bumping of QFNs and also for Reballing of BGAs and CSPs.

Perfect temperature management is foremost. The efficient hot gas circulation ensures optimal heating of the component and a controlled reflow process. For especially stringent demands for the highest soldering quality the MINIOVEN is also available with a gas connection for processing gases, such as nitrogen, argon and formic.



The MINIOVEN is controlled via an intuitive menu from the display. Up to 99 profiles, through the system software component specifically adjusted, can be stored. In addition to this tabletop oven MARTIN offer an extensive range stock stencils; bespoke versions can be realised at short notice.

MINIOVEN 04 S/N

