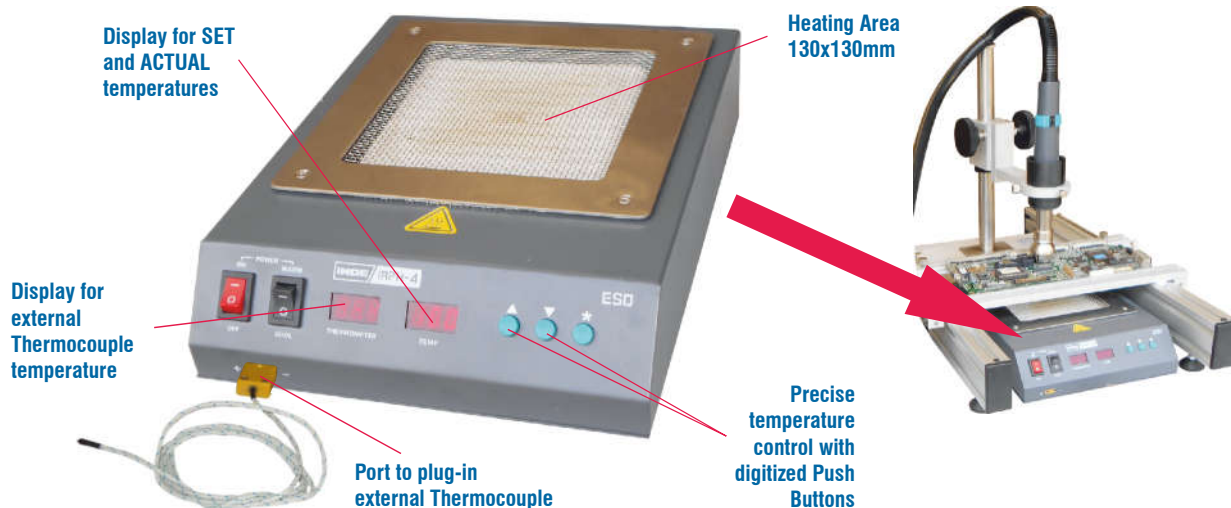


designed for bottom pre-heating of multilayer & high heat sink Printed Circuit Boards

The IRPH-4 Pre-heating Plate enhances the effectiveness of the MFRS500SUSB systems. It provides bottom heating to the PCB under repair, therefore minimizing the risk of thermal damage to expensive SMD ICs and warping of expensive multilayer PCBs. Additionally it also speeds up the rework/repair process.



Features:

- High quality, long life IR Ceramic Heating Elements ensure fast and even pre-heating with high efficiency
- in-built temperature measurement with thermocouple allows continuous monitoring of PCB temperature
- Pre-set temperature is achieved accurately and remains stable due to closed loop PID control design.

Specifications:

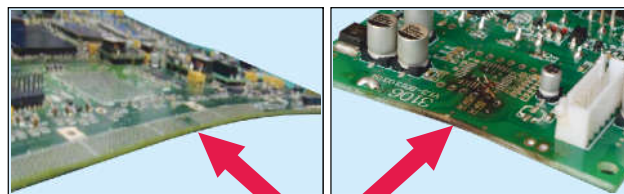
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|------------------|---------------------|----------------------|-----------------------|
| • Heating Power | : 600 Watt | • Temperature Sensor | : K-type Thermocouple |
| • Plate Area | : 130 x 130mm | • Temperature Range | : 50°C ~ 350°C |
| • Heating Source | : IR Ceramic Heater | • Measurement Range | : 0 ~ 600°C |

Why bottom Preheating is recommended ?

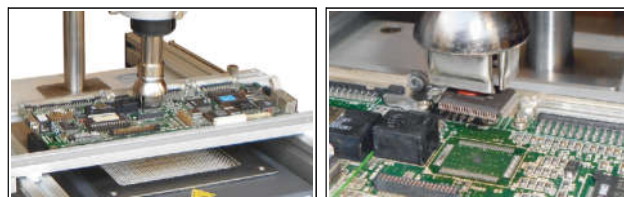
Today's electronics design has higher density of expensive devices on the multilayer PCBs which inherently require gentle pre-heating of PCBs to avoid thermal damaging of expensive SMD ICs, and also must avoid warping of PCBs.

If pre-heating is not used, it can lead to pad lifting, delamination, warping and burning of expensive PCBs & large SMD ICs during rework/repair. Beside these visible defects, the invisible defects like internal layer cracking etc. will also result if pre-heating is not used.

To avoid above failures, PCBs will normally need even pre-heating around 120°C on top side while reworking. The Pre-heater model IRPH-4 serves this purpose. PCBs are heated evenly and gently from bottom side for safe reworking of SMD ICs.



PCB warping/burning possibility without pre-heating



Safe reworking of SMD ICs using bottom Preheater

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Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors etc.

While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.