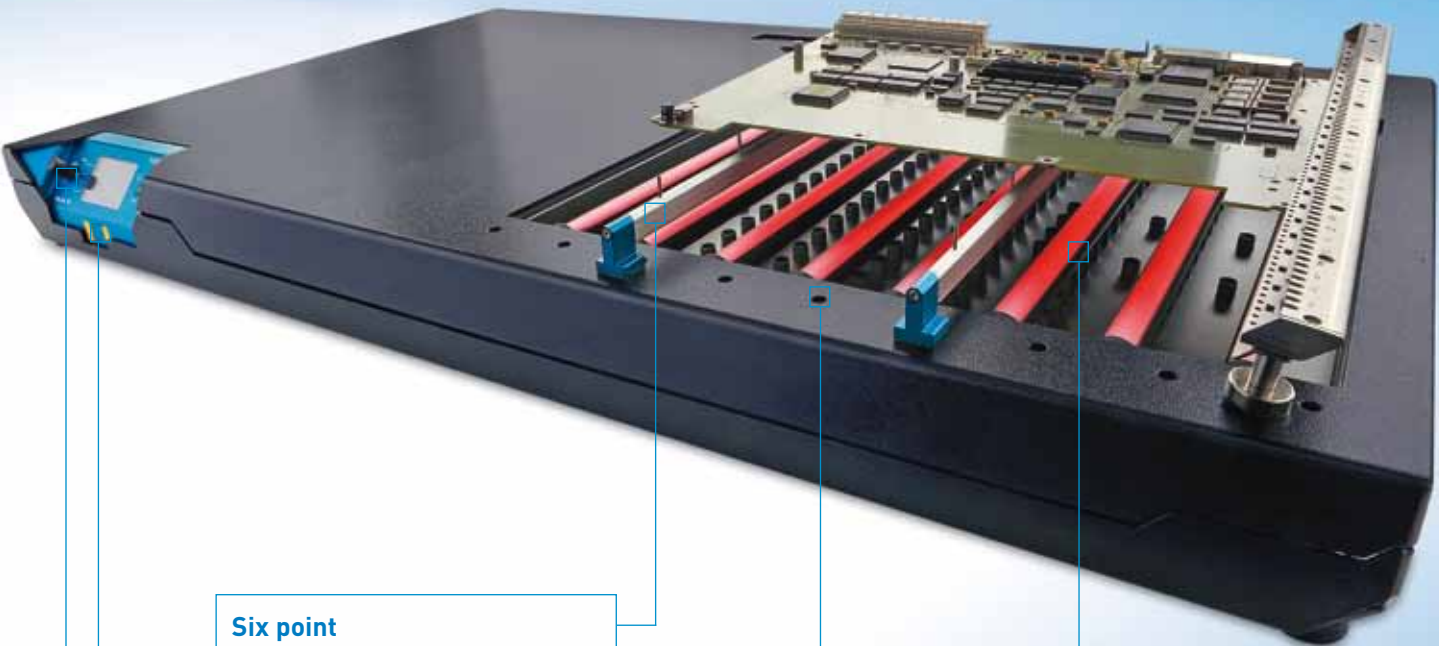


# HOTBEAM 09 – 5000 W

The newly developed HOTBEAM 09 offers even heat distribution across a very large area and is especially suited for preheating large and oversized PCBs. Energy input of up to 5000 W is available.



Six point  
PCB support

Sockets for two  
thermocouples

Simple operation of menu  
with just one knob

Markers for  
repeatable placements

Patented hybrid  
5000 W underheater



Operator friendly display. Simple menu structure, using just one knob.

## HOTBEAM 04

### Technical Details

Underheater (2 Zones):	50 W - 500 W
Heated Area Zone 1:	75 mm x 105 mm
Heated Area Zone 2:	130 mm x 105 mm
Temperature Ramp (max):	3,5 K/s
Temperature Range:	50 - 170°C
Programs:	99
External Dimensions:	140 x 290 x 40 mm



## HOTBEAM 05

### Technical Details

Underheater (4 Zones):	300 W - 2000 W
Heated Area Zone 1:	61 mm x 185 mm
Heated Area Zone 2:	122 mm x 185 mm
Heated Area Zone 3:	183 mm x 185mm
Heated Area Zone 4:	245 mm x 185 mm
Temperature Ramp (max):	3,5 K/s
Temperature Range:	50 - 200°C
Programs:	99
External Dimensions:	442 x 360 x 75 mm



## HOTBEAM 08

### Technical Details

Underheater (6 Zones):	1200 W - 3000 W
Heated Area 1 Zone (min):	46 mm x 245 mm
Heated Area 6 Zones (max):	275 mm x 245 mm
Temperature Ramp (max):	2,5 K/s
Temperature Range:	50 - 200°C
Programs:	99
External Dimensions:	460 x 865 x 90 mm



## HOTBEAM 09

### Technical Details

Underheater (8 Zones):	1200 W - 5000 W
Heated Area 1 Zone (min):	56 mm x 420 mm
Heated Area 8 Zones (max):	450 mm x 420mm
Temperature Ramp (max):	2,4 K/s
Temperature Range:	50 - 200°C
Programs:	99
External Dimensions:	630 x 1030 x 90 mm



Konzept und Realisierung: Steinwieser Design

## HOTBEAM Product Family Underheaters

[www.martin-smt.de](http://www.martin-smt.de)

**MARTIN®**  
a finetech company

Rework Technology

**MARTIN®**  
a finetech company



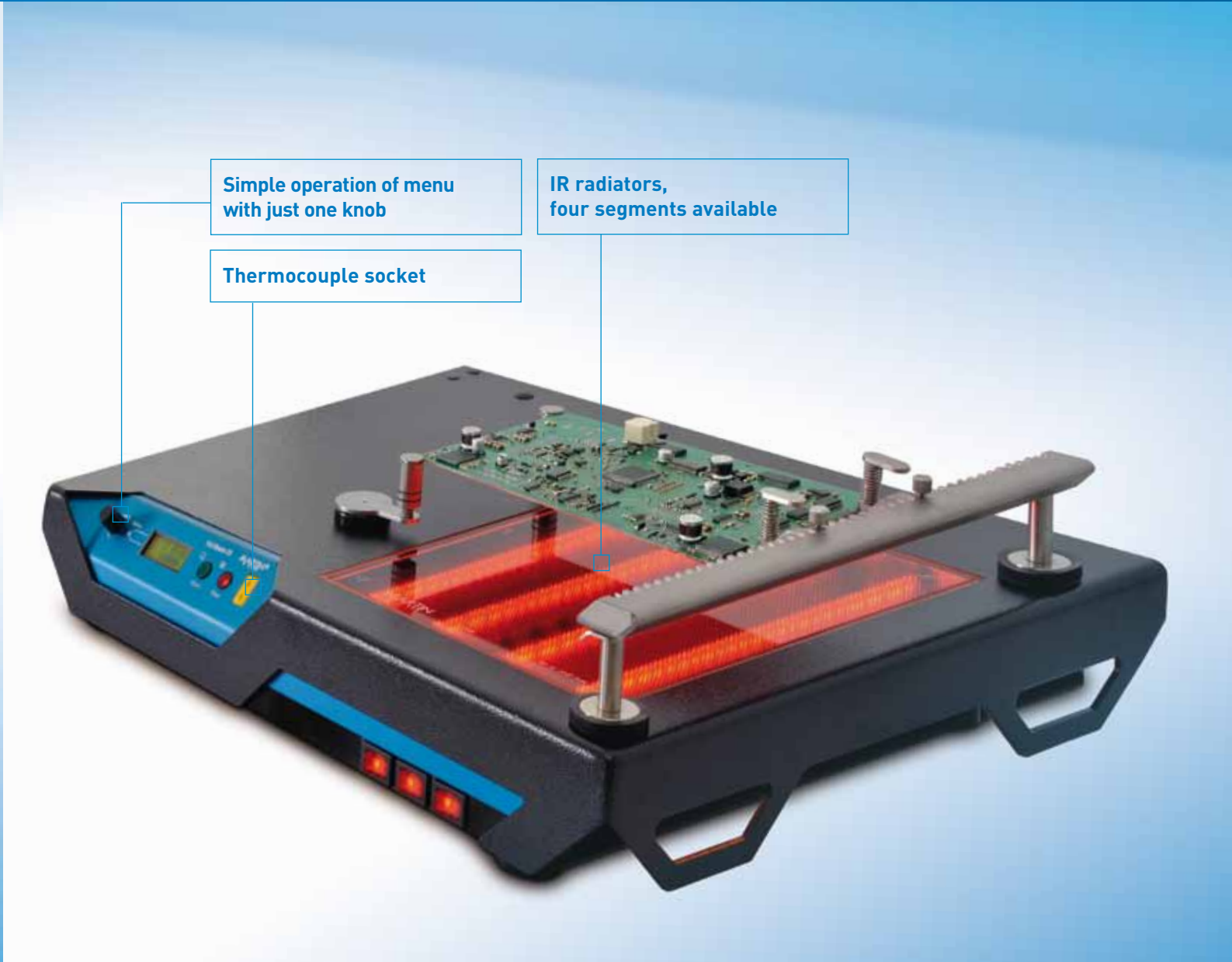
# HOTBEAM 04 – 500 W

The Underheater series HOTBEAM with Rapid IR Technology has proven itself a thousand times for fast and precise manual soldering. The practical HOTBEAM 04 uses very little space at the workstation and thanks to a height of just 40 mm, it allows for ergonomic use. The HOTBEAM 04 programs and learns automatically.



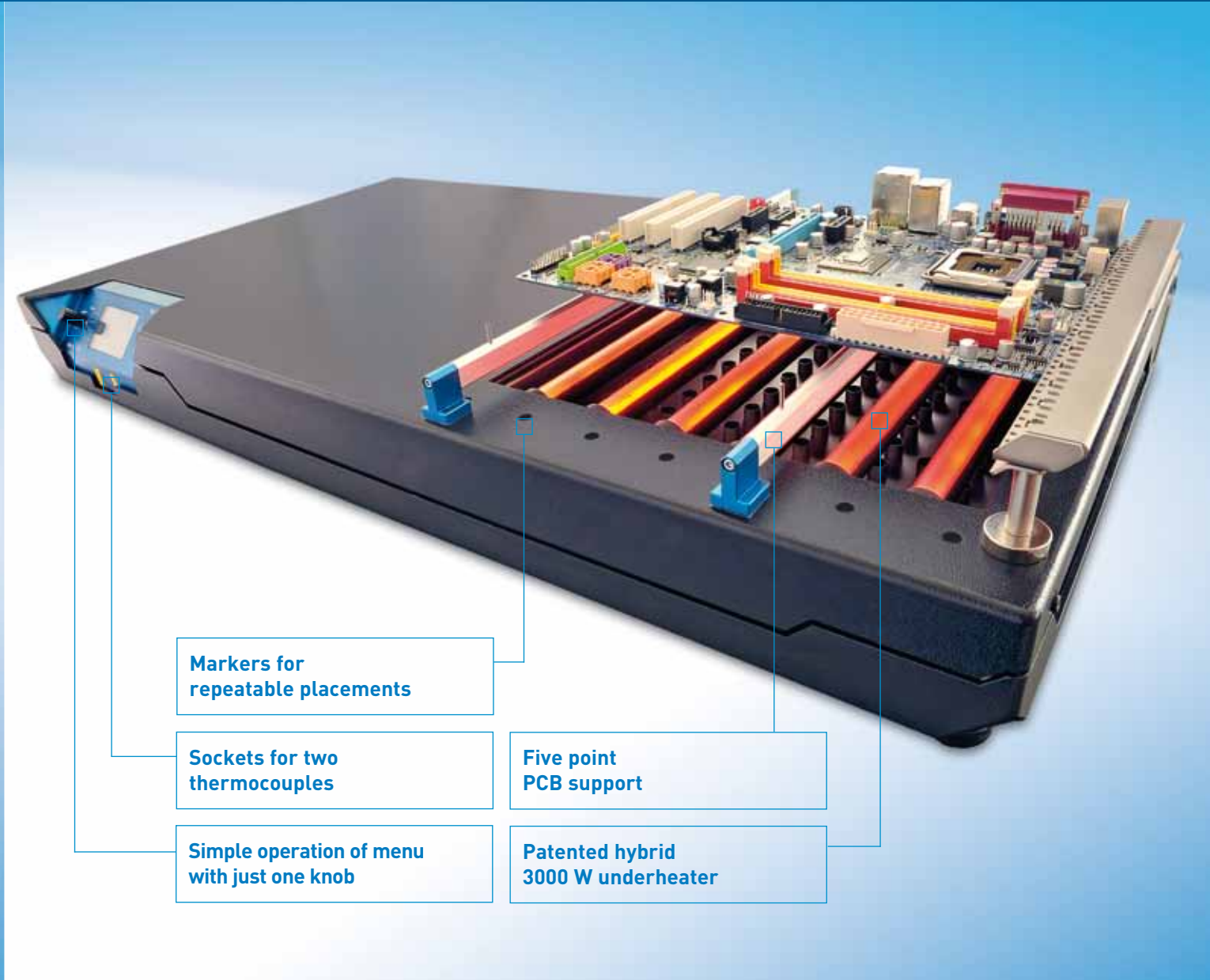
# HOTBEAM 05 – 2000 W

The HOTBEAM 05 is specifically designed for pre-heating small to medium sized PCBs. A powerful heat output of 2000 W, with four IR radiators, is available.



# HOTBEAM 08 – 3000 W

The newly developed HOTBEAM 08 offers even heat distribution across a large area and is therefore particularly suitable for the preheating of large and very large PCBs. Up to 3000 W of heating power is available.



## Simple Relief

The HOTBEAM supplies 50% of the required energy from below. This allows the soldering iron temperature to be lowered correspondingly. PCBs and components are subjected to less stress and soldering tips are able to last longer. All these advantages work together to simplify the soldering process.



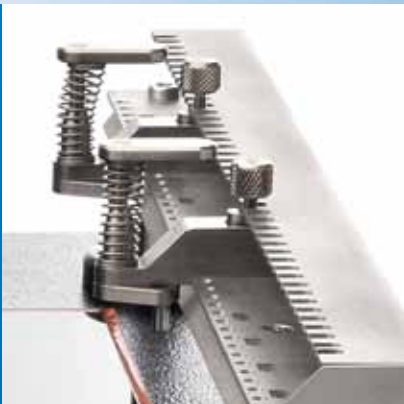
Flexible PCB support  
Handy-Fix-04



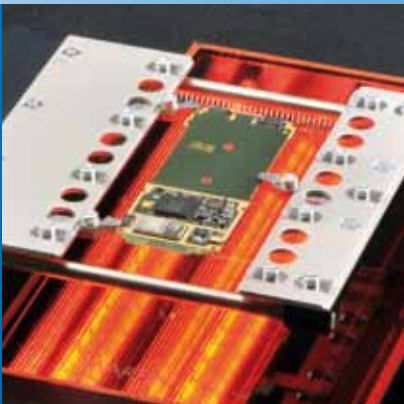
Height adjustable clamps  
Handy-Fix-06 with 4 magnetic clamps

## Even Faster

The particularly fast and gentle Rapid IR Technology utilizes the full range of safe thermal limits. PCBs are heated rapidly and their temperature is reliably maintained. This results in a time savings of 30%, higher throughput and assured quality.



Practical clamps for large PCBs



PCB support for complex mini PCBs

## Hybrid Technology

The Hybrid Underheater works with a combination of IR radiation and convection. This patented solution excels with a very powerful heating effort, while at the same time achieving constant temperature distribution. Heat induced stress to PCBs is thus kept to a minimum.

## Efficient

The new Hybrid Underheater transfers heat directly to the PCB and is therefore fast and efficient.