HOTBEAM 05

MARTIN ®
a finetech company

Magnet Holder 40.5 mm

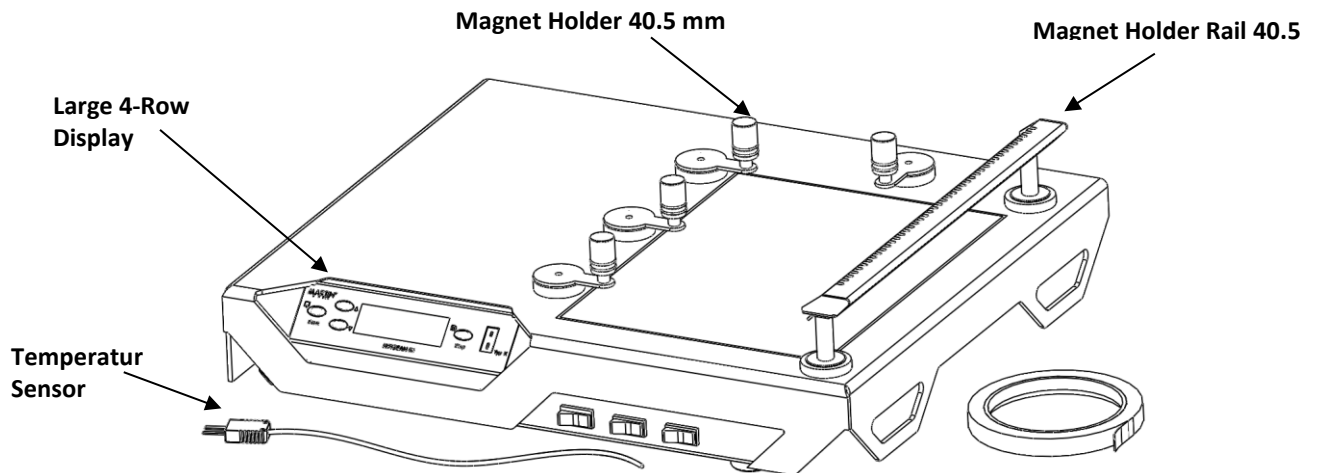Magnet Holder Rail 40.5

Large 4-Row Display

Temperatur Sensor

HB00.0053   HOTBEAM 05 (230V)
HB00.0054   HOTBEAM 05 (115V)

The high performing 2000W under heater in IR technology. This device is perfectly suitable for hand soldering tasks on mid size and heavy PCB. The large screen display presents the menu which is intuitive to configure and easy to navigate. The device can be operated in three different mode of operation: constant power, constant temperature and profile. The innovative heat management provides highest temperature repeatability and maximum stability.

The auto-profiler feature of the HOTBEAM 05 supports the operator perfectly while exploring the device parameter fully automatic. When used in a later process run no sensor is needed to connect with the PCB. Just execute the profile and the PCB temperature will be set by the control parameter. The sensor-free-operation in *profile mode* increases process stability and makes tasks faster and more efficient. Up to 50 profiles can be stored in the device.

The four independently switchable IR lamps are protected by an IR glass. This makes cleaning of the hot area from flux or electronic components easy and simple. An electrical interface of HOTBEAM 05 can be configured that external devices becomes active when heating process starts. Alternatively the device may start upon an command from external system i.e. PLC or foot pedal.
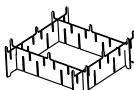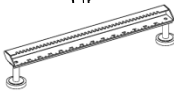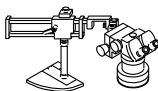
Standard Equipment

- Under Heater HOTBEAM 05.1
- 4 Magnet Holder 40.5mm
- PCB Magnet Holder Rail 40.5mm
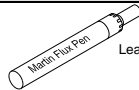- Sensor (Typ K) Temperatur Measurement
- Manual

Technical Data

Total Power Consumption:	2100 VA
Power Under Heater:	2000 W, 4 x IR-Lamps
Size of Heated Area:	185 x 245 mm²
Rec. max. PCB Size:	200 x 260 mm²
Temperature Range:	50 °C – 200 °C, 1°C steps
Mains:	1 Phase, 85 – 250 VAC, 50 - 60 Hz
Cooling:	electrically, 4 x fans
System Dimensions:	450 x 370 x 60 mm³
Weight:	4500 g

HOTBEAM 05

Optional Extras

SF03.0004	PCB Magnet Holder 40.5mm for IR/IRD/IRH/IRF/HIF and DL/RD	
SF03.0014	PCB Magnet Holder Easy Lock 40.5mm (snap) for IR/IRD/IRH/IRF/HIF and DL/RD	
SF30.0004	PCB Support 40.5mm 1.5mm thickness	
SF33.0010	PCB Magnet Holder Rail 40.5mm l=300mm for IR/IRD/IRH/IRF/HIF and DL/RD	
SF01.0100	PCB clip for large pcbs onto IRF handrest	
VD90.4001	Microscope with arm and illumination 5x - 22x (zoom 4.4), 46 - 10mm, 150mm	

Consumables

HT00.0009	Flux Pen lead free 0405 C, no clean, REL0	Lead free
HT00.0117	Flux Creme lead free 100g 0506 MA, no clean, REL0	100g Leadfree
HT00.0119	Flux Creme lead free 18g 0506 MA, no clean, REL0, with brush	Lead free
VD90.1009	SMD Adhesive 5 ccm, D 125 F-DR	D125F-DR
HT00.0019	Clean Pen for pads and IR glass with 3 spare erasers	
HT00.0030	Cleaning fabric 15*15cm for PCB (50pcs)	

Further units and consumables under www.martin-smt.de