HOTBEAM 05

MARTIN®

a finetech company

Magnet Holder 40.5 mm

Magnet Holder Rail 40.5
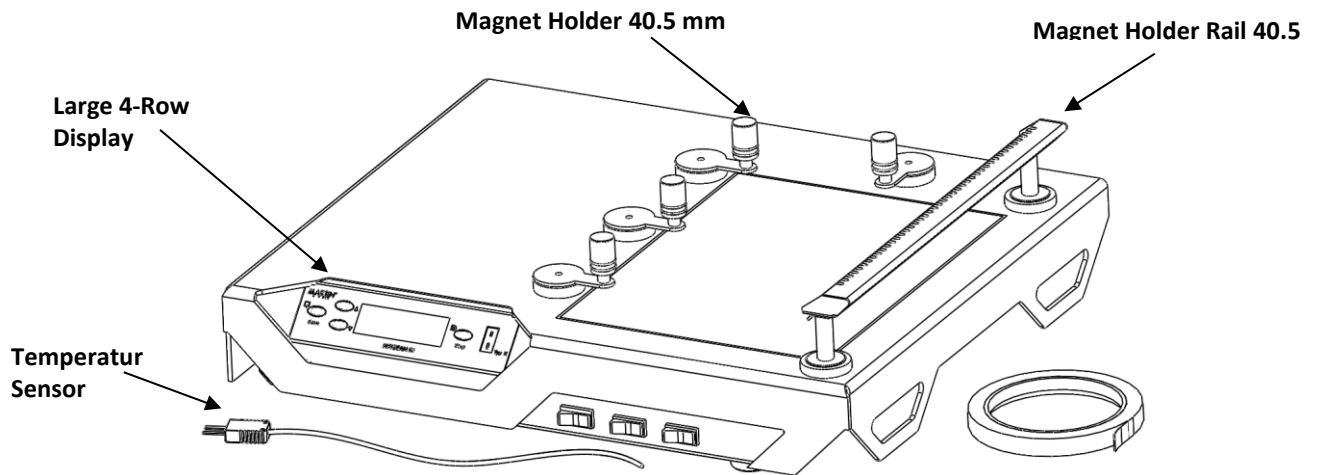
Large 4-Row Display

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 independently switchable IR lamps are protected by an IR glass. This makes cleaning of the hot area from flux for electronic components easy and simple. Optional HOTBEAM 05 can be configured that external devices becomes active when heating process starts. Alternatively the device may start upon a command from external system i.e. PLC or foot pedal. Using EASYBEAM, the PC Software, profile data can be recoded from the device and saved on PC via USB communication.
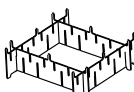
Standard Equipment
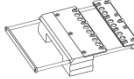
- Under Heater HOTBEAM 05.1
- 4x Magnet Holder 40.5mm
- 1x PCB Magnet Holder Rail 40.5mm
- 1x Sensor (Typ K) Temperatur Measurement
- Manual

Technical Data

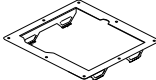|	
Total Power Consumption:	2100 VA
Power Under Heater:	2000 W, 4 x IR-Lamps
Size of Heated Area:	185 x 245 mm²
Rec. max. PCB Size:	200 x 260 mm²
Temperature Range:	50 °C – 250 °C, 1°C steps
Mains:	1 Phase, 85 – 250 VAC, 50 - 60 Hz
Cooling:	electrically, 4 x fans
System Dimensions:	450 x 370 x 70 mm³
Weight:	4500 g

HOTBEAM 05

Optional Extras

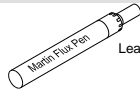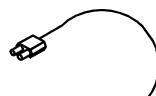|		
SF03.0001	PCB magnet holder h=20mm for installation set HB 03/04/05	
SF03.0004	PCB magnet holder h=40.5mm for IR/IRD/IRH/IRF/HIF and DL/RD	
SF03.0014	PCB magnet holder Easy Lock h=40.5mm (snap) for IR/IRD/IRH/IRF/HIF	
SF30.0004	PCB support h=40.5mm for IRF02/06/07, pcb=1.5mm	
SF03.0013	PCB support rail, h=20mm, l=223mm for installation set HB 03/04/05	
SF03.0011	PCB support rail for HB03/04 Handy Fix, h=55,5mm, l=223mm	
SF33.0015	PCB magnet holder rail, h=20mm, l=300mm for installation set HB03/04/05	
SF33.0010	PCB magnet holder rail for IRF radiator H=40,5mm, L=300mm	
SF01.0100	PCB clip for large pcbs onto IRF handrest	
SF03.0019	PCB clamping holder with 3 fingers for mobile phone pcbs on HB05/IRx/HIF,h=40.5mm	
HB00.1010	Table Mount (Flush Mount) HOTBEAM 05 Installation Set	
HB00.1011	Arm Support HOTBEAM 05 with magnet to snap at HB 05	
HB00.0109	USB Option for HOTBEAM 05	
HB00.0110	Interface Option for HOTBEAM 05 for external control	

Consumables

HT00.0009	Flux Pen lead free 0405 C, no clean, REL0	Lead free
HT00.0062	Kapton tape 19mm*5.5m	19mm
HT00.0013	Sensor for temperature for HTM/DBL/HA/HB/IRF, K type,2 pin,1.3 m	

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