

MARTIN Rapid IR Hot Beam 03

Underheater for lead free manual soldering



The Easy Way: Rapid IR Technology

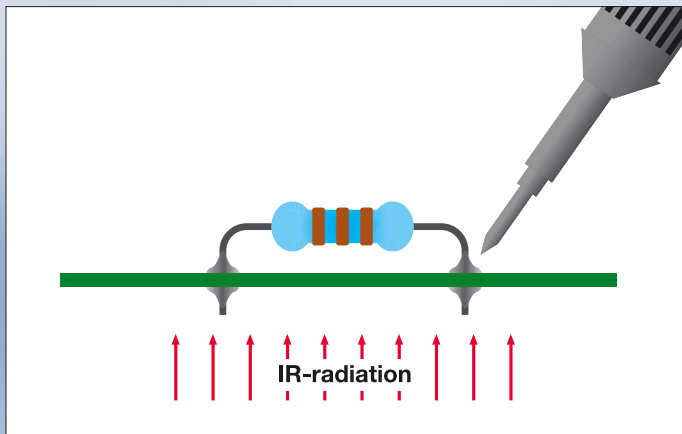
Gentle and fast

Lead free manual soldering demands solder joint temperatures raised by 30°C. This higher energy delivered through the soldering iron, dramatically increases risk for components and significantly reduces soldering tip life. By using the MARTIN underheater the soldering tip temperature can be lowered by

Support for manual soldering

50 % thermal energy from below for gentle background heat, thus 50°C lower soldering tip temperature:

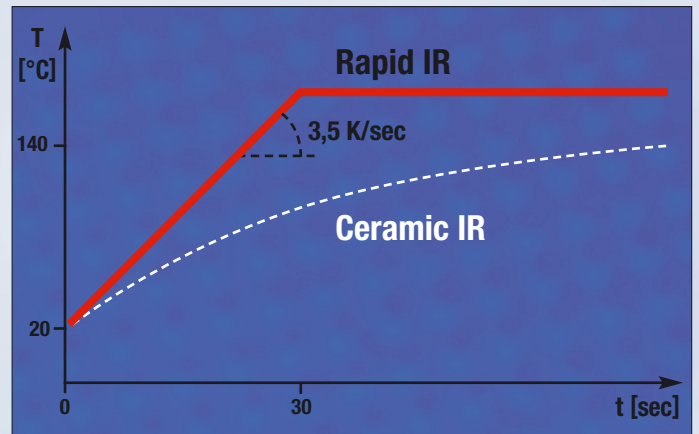
- faster and easier manual soldering
- gentle to components and boards
- significantly extended soldering tip life



approximately 50°C. The patented Rapid IR technology of the Hot Beam 03 leads to an easy and clearly faster way for reliable results. This is an important innovation for risk-free manual soldering in a high demand application.

Advantages through Rapid IR

- accelerated solder process while not exceeding permitted heating rate of 3.5°C/sec
- constant maintenance of set temperature during soldering
- Auto Mode for up to 11 user programs:
use of sensors only required during programming not during actual soldering



Hot Beam 03 technical data

Dimensions	140 x 290 x 40 mm
IR area	75 or 130 x 105 mm (switch able)
IR power	50 – 500 Watt
Temperature	50 – 150°C
Sensor	K type (just for programming)
Time	Normal Mode 10 - 300 s Auto Mode 8 min (can be lengthened)
Programs	11 applications

Hot Beam 03 includes

Control unit (w/o Handy Fix), ultra fine sensor, capton tape, 2 PCB supporter

Handy Fix board holders

- Handy Fix 02: PCB holder, 170 x 230 mm, 3 magnet holder
- Handy Fix 03: PCB holder, 200 x 380 mm, 4 magnet holder
- Handy Fix 04: PCB holder, 208 x 230 mm, adjustable support (see picture)

Sets with area radiation elements

- Hot Beam 04 set: Control unit Hot Beam 03 complete (can be used separately), PCB support with underheater Smart Fix 06 / IRF 04, 2400 Watt, IR area 250 x 280 mm
- Hot Beam 05 set: Control unit Hot Beam 03 complete (can be used separately), PCB support with underheater Smart Fix 07 / IRF 05, 3000 Watt, IR area 370 x 390 mm

MARTIN[®]

Rework + Dispense Technic
Martin GmbH
Argelsrieder Feld 1 b
D – 82234 Wessling
Fon +49-(0)8153-932 9-32
Fax +49-(0)8153-932 9-39
Mail info@martin-smt.de
www.martin-smt.de