

HOT BAR SOLDERING MACHINE HBS-A3 / A4



Features:

- The heating rate is customized to meet different products.
- Molybdenum alloy head to ensure temperature stability, fast heating speed and long service life.
- The level of soldering head is adjustable , to ensure that part assembly process is uniform.
- Digital display to control temperature , easy and clear.
- With pressure meter, can be preset pressure range.
- Special welding materials.
- It is equipped with precise PID control, phase Angle instead of pulse drive.
- Little vibration, low noise, no voltage fluctuation.
- Molybdenum alloy soldering head instead of traditional titanium alloy, warming faster, good coefficient of heat transfer, wear-resisting

Technical Parameter:

MODEL	A3	A4
Dimensions (Without Pressure regulator, handle & lamp)	660mm (Depth) x 660mm (Width) x 700m (Height)	440mm (Depth) x 440mm (Width) x 530m (Height)
Weight	75 Kg	35 Kg
Power Requirement	110/220 VAC 50/60Hz, 2200W	110/220 VAC 50/60Hz, 2200W
Air Supply Pressure	4 - 6 Kg/cm ²	4 - 6 Kg/cm ²
Startup Operation	Two Hand Control	Two Hand Control
Password	6 digits (2level)	6 digits (2level)
Force Range	1-20kg adjustable	1-20kg adjustable
Actuation Type	Pneumatic	Pneumatic
Heating	Pulsed heating with High speed PID Control	Pulsed heating with High speed PID Control
Preheat Temperature	RT - 500°C (1 degree increment)	RT - 500°C (1 degree increment)
Heat Temperature	RT - 500°C (1 degree increment)	RT - 500°C (1 degree increment)
Preheat Time	1 - 99 Second (1 second increment)	1 - 99 Second (1 second increment)
Heat Time	1 - 99 Second (1 second increment)	1 - 99 Second (1 second increment)
Temperature Accuracy	±5 °C	±5 °C
Cooling	Air Cooling	Air Cooling
Thermocouple Type	K Type	K Type
Control method	Touchscreen	LCD display with press button
Startup Operation	Two Hand Control	Two Hand Control
Working area	150mm x150mm / 2 stations	150mm x150mm single station
Table Actuation Type	Rotation	Front and Back
Positioning	CCD + Monitor display	CCD + Monitor display
Process Display	Real time temperature profile is on continuous display during soldering	No real time temperature profile.

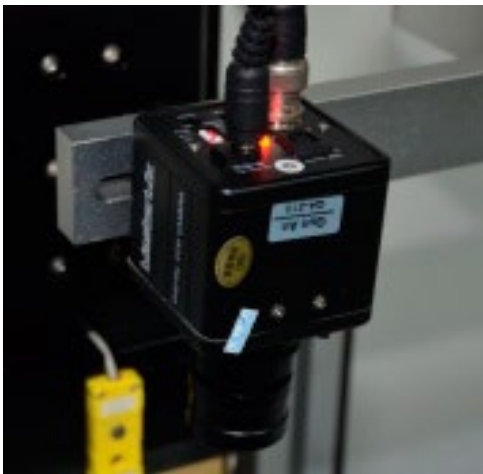
Description:

Hot Bar soldering, Also known as (Pulsed heat Thermode or pulse bonding).- is accomplished when two pre-fluxed, solder or adhesive coated parts are heated, causing the solder to melt, flow, and then solidify, forming a permanent electromechanical bond.

the HBS-A4 Hot Bar Soldering Machine is an excellent tool and extremely effective in bonding components and parts that are different and not easy to stick together.

classic hot bar, pulse bonding, resistance soldering equipment applications include flexible circuits, ribbon cables, wires, flex to PCB, flex to LCD, and thermo compression bonding of gold ribbon as found in the telecommunications, computer, automotive, display industries and other.

Details:



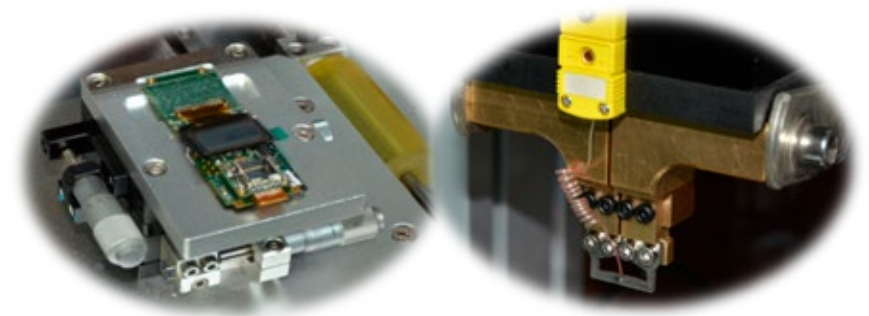
CCD cameras are mounted on the frame for fine pitch magnification



Digital display to control temperature , easy and clear.PID temperatures are attained quickly.

Optional customized fixture with micrometer.

And customized soldering head is also available



Applications:

