

HBS-A3 Can handle PCBs up to 200*170mm

HOT BAR SOLDERING MACHINE HBS-A3

Features

- CCD+Display for accurate positioning
- Touch screen program interface
- Self-developed software, fool-style programming
- Molybdenum alloy soldering tip, fast heating speed and long life time

HBS-A3 Hot Bar Soldering Machine use thermode technology that based on rapid reflow by pulse heating to effectively solder flexible board on the PCB. Real time display on the touchscreen. CCD+displayer can accurate positioning and soldering quality check.

Description

1. Lead-free compatible hot bar process of flex-to-PCB can replace more costly Flex-Printed Circuits and save the cost of PCB connectors. Process also conserves vertical height of assemblies.
2. Customized soldering head press all of the soldering joints of parts on PCB to solder it simultaneously by heating them to a temperature, it greatly improve soldering efficiency.
3. The heating up rate is adjustable to meet different requirement of application.
4. Molybdenum alloy head to ensure temperature stability, fast heating speed and long life time.
5. The level of soldering head is adjustable , to ensure that part assembly process is uniform.
6. Digital temperature controller with precise PID control ,ensure soldering quality.
7. Equipped with CCD and display, convenient for accurate positioning and soldering quality check.
8. Preheat and reflow profile can be set and displayed on the touch screen control panel, easy to operate.

Specification

Model	HBS-A3
Y-axis movement mode	Cylinder
Way of starting	Start button
Soldering head size	MAX 60*5mm(Or customized)
Minimum soldering pitch	0.2mm
Power	AC220V±10% 50HZ,2300W
Soldering time	1~99.9s adjustable
Work pressure	0.45-0.70Mpa
Temperature setting	RT ~ 500 ±5 DEG C.
Machine weight	75kg
Soldering pressure	1~20kg
Work size	Max 200*170mm
Work environment	10-60°C
Machine Size	660*660*700mm

Configuration

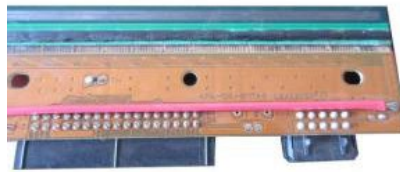
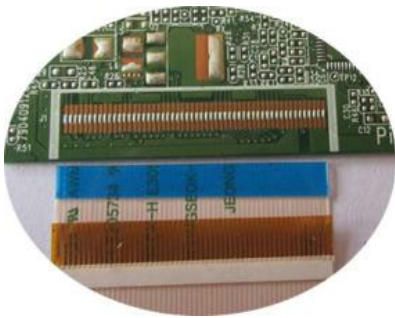
1. Magnetic cylinder sensors witch: SMC
2. Solenoid valve: made inT aiwan
3. Connectors and trachea: made in Taiwan
4. Filter regulator: made inT aiwan
5. Precision cylinder under pressure regulator: SMC
6. Control system: independent research and development (Chinese)
7. Power transformer: 220V, 2000W
8. Driver module: 45A
9. Vacuum Generators: SMC
10. Buttons witch: Schneider
11. Relay: Omron
12. Chassis components: aluminum plus bending parts
13. Body color : gray

Application

Advantages: ultra-fine spacing welding can be achieved; Digital temperature display; Soldering speed 3-5s

Suitable for:

1. FPC-PCB soldering
2. FPC-FPC soldering
3. FPC-ceramic wafer soldering
4. FPC-ink cartridge plus chip soldering



Standard Configuration

- Hot Bar Soldering Machine
- Start button*1pcs
- CCD+display*1set
- Touch screen programming interface*1set
- Air pipe*1pcs
- 1 year parts warranty

Standard Configuration

- Customized precision fixture.
- Customized Soldering tip
- Start button
- Emergency Stop button
- Power switch button