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Hot Bar Soldering Machine HBS-4AT

- LCD Control panel
- Self-developed software, fool-style programming
- Digital temperature controller
- Molybdenum alloy soldering tip, fast heating speed and long life
- CCD + Display for accurate positioning (Optional)
- The Z axis is step motor can be preset to soldering pressure

HBS-4AT 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 touch screen optional CCD + display for accurate position and solder quality check. The Z axis is controlled by a stepper motor and can be preset to soldering pressure.

HBS-4AT Can handle PCBs up to 150*150mm

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Hot Bar Soldering Machine HBS-4AT Features:

1. The heating rate is customized to meet different products.

2. Molybdenum alloy head to ensure temperature stability, fast heating speed and long service life.

3. The level of the soldering head is adjustable to ensure uniform part assembly processing.

4. Digital display to control temperature, easy and clear.

5. In the software with digital pressure meter, which can preset the pressure range. The Z-axis uses precise step motor positioning making adjustments very convenient.

6. The soldering head is made of a molybdenum alloy, with fast heating and a long life time.

7. It is equipped with precise PID control, phase angle instead of pulse drive.

8. Little vibration, low noise, no voltage fluctuation.

9. Molybdenum alloy soldering head instead of traditional titanium alloy, heating faster, good coefficient of heat transfer, wear-resisting.

10. The height is controlled by the motor, the z-axis adjustment precision is high, the pressure of the soldering tip is even.

11. Optional CCD with camera can assist the alignment pad of the product and observe the effect of soldering.

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Hot Bar Soldering Machine HBS-4AT specification :

Model	HBS-4AT
Soldering platform movement method	manual movement
Way of starting	foot switch
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	35kg
Soldering pressure	1~20kg
Work size	Max 150*150mm
Work environment	10-60℃
Machine Size	440*440*530mm

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Hot Bar Soldering Machine HBS-4ATConfiguration:

1.Pressing module: stepper motor + screw

2.Pressure display table : pointer

3.Magnetic cylinder sensor switch : SMC

4.Solenoid valve : made in Taiwan

5.Connectors and trachea : made in Taiwan

6.Filter regulator : made in Taiwan

7.Precision cylinder under pressure regulator : SMC

8.Control system: independent research and development (Chinese)

9.Power transformer : 220V, 2000W

10.Driver module : 45A

11.Vacuum Generators : SMC

12.Button switch: Schneider

13.Relay: Omron

14.Chassis components: aluminum plus bending parts

15.Body color：gray

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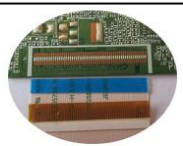
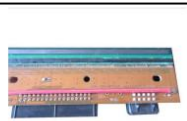
Hot Bar Soldering Machine HBS-4AT

Hot Bar Soldering Machine HBS-4AT 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

Application		
		

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Hot Bar Soldering Machine HBS-4AT

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Hot Bar Soldering Machine HBS-4ATStandard configuration :

- Hot Bar Soldering Machine
- Start button*1pcs
- Air pipe*1pcs
- 1 year parts warranty

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Hot Bar Soldering Machine HBS-4AT

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Hot Bar Soldering Machine HBS-4AT Optional configuration :

- Customized precision fixture.
- Customized Soldering tip
- CCD +displayer 1set
- Start button
- Emergency Stop button
- Power switch button