



3-Axis Hot Bar Soldering Robot

Brand: ATOM

Model: HB221

Features:

- ATOM HB series of hot soldering robot using pulse current heating principle, is widely used in the manufacture of electronic appliances and electronic components, such as soldering, thermocompression and other processes.
 1. LCD PDP mobile phones and other flexible electronic circuit board hot-press welding, soldering
 2. HDD coil, capacitors, motors, sensors, etc. of the enameled wire soldering
 3. Computers and other communications cables within the machine, the parallel port solder soldering.
 4. Digital cameras, printers, small cameras and other resin hot pressing
 5. Microwave components within the gold hot wire combination
 6. Digital cameras, cell phones and other CMOS, CCD and FPC board soldering
 7. ACF thermal compression.
- The device is particularly suitable for FPC, FFC, small enameled wire, plastic, wiring harness, etc. need to use the solder welding.
- I/O interface provided for external input and output control
- Optional visual position identification system to solve the jig and product position consistency problem
- Optional safety grating and guard to ensure operator safety

Main Technical Parameters:

Model		HB221
Motor type XYZ		Hybrid Stepper
XY axis		Linear Slide Rail
Z axis		Ball screw rail
Machine Operation Voltage (V ac)		100 ~ 240
Machine Chassis		Iron
Machine operating power (W)		150
Soldering Station Temperature Range (°C)		50 ~ 500 (Selection range)
EHS-01 Soldering heating power station (W)		1500
Adjustable time range (Sec)		0 ~ 99.99 sec
Temperature thermal couple sensor		K-type
Control Axis		3
Soldering head		1
Movement Range	X-axis (mm)	200
	Y-axis (mm)	200
	Z-axis (mm)	100
Speed Range	X-axis (mm/sec)	0.1 ~ 600
	Y-axis (mm/sec)	0.1 ~ 600
	Z-axis (mm/sec)	0.1 ~ 300
Position Repeatable Accuracy	X-axis (mm)	±0.02
	Y-axis (mm)	
	Z-axis (mm)	
Resolution	X-axis (mm)	±0.01
	Y-axis (mm)	
	Z-axis (mm)	
Program setting method		Point to point teaching (PTP)
Teaching Pendant File Capacity		Up to 999 files or Single file up to 60000 points
Processing File Capacity		Up to 255 files or each file 2M bytes
Environmental Conditions	Temperature (°C)	0~40
	Humidity (%)	20~90 (no condensing)
Teaching Pendant model		9011D

Note: The movement range could be customized as per requirement