

ROTATING DISC HOT BAR SOLDERING MACHINE HBS-2MA



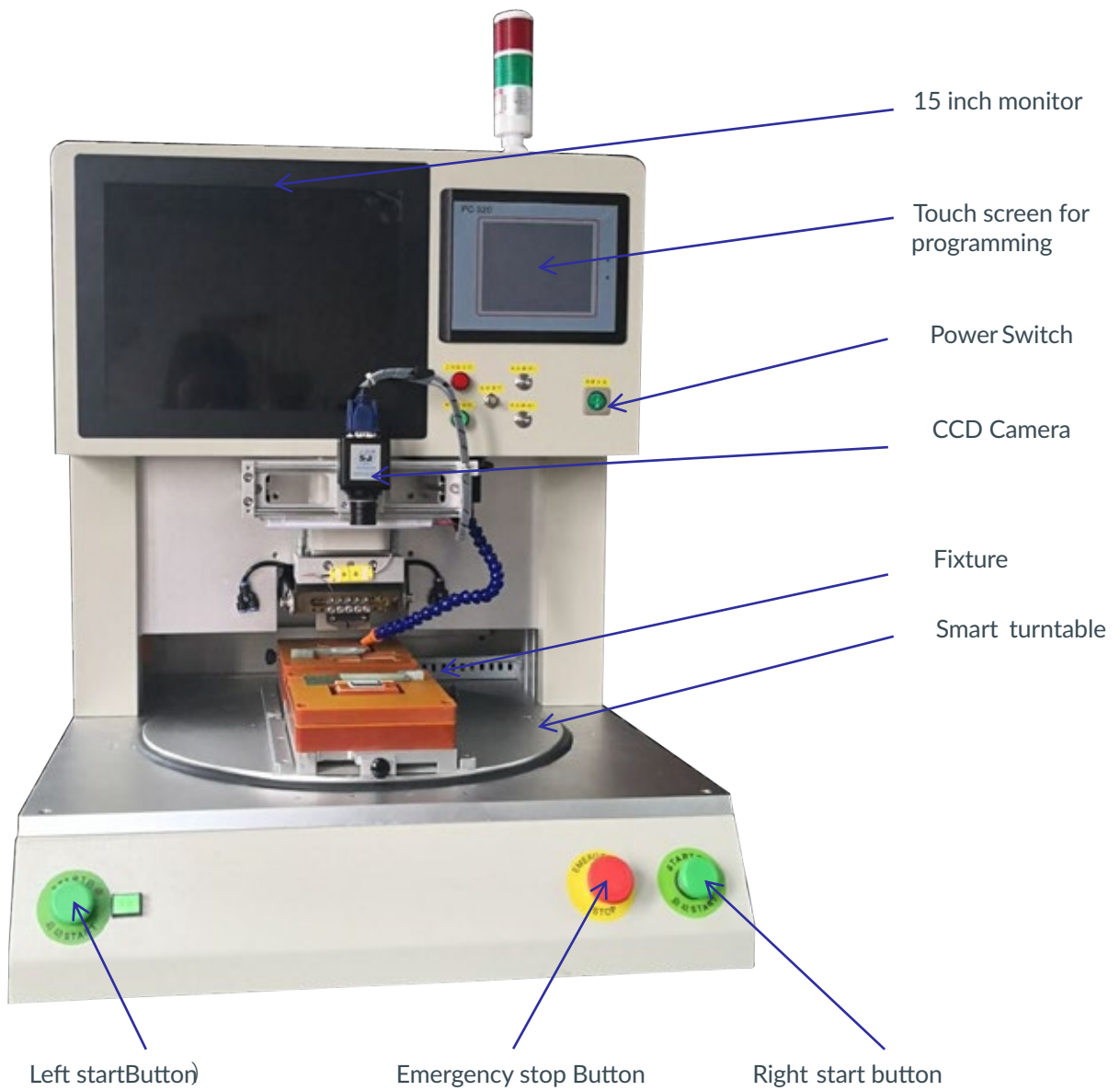
HBS-2MA Can handle PCBs
up to 180*200mm *2pcs

HBS-2MA 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. Can use CCD+displayer can accurate positioning and soldering quality check. The Z axis controlled by a stepper motor and can be preset to soldering pressure. Rotating double soldering stations with high soldering efficiency.

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

Features

- 1.For different products, heating speed can be adjusted
- 2.With vacuum suction function, it is easier to adjust the fixture
- 3.Microcomputer control, accurate and stable
- 4.Programmable curve including preheat and reflow soldering temperatures
- 5.Suitable for high density TAB, TCP pressing and FPC, FFC and PCB soldering
- 6.Adopt precise PID control, phase Angle replace pulse drive
- 7.Small vibration, low noise, no fluctuation of voltage
- 8.Real time display temperature curve and temperature data
- 9.Touch screen input data, simplify operation
- 10.Rotating platform with precision motor control, accurate and stable
- 11.In the software with digital pressure meter, can be preset pressure range.The Z axis use precise step motor.Position adjustment is very convenient.
- 12.With pressure detection function, it automatically detects and adjusts the pressure to solve the problem of uneven force. We will replace the Z axis with a servo motor. (Option)



Specification

MACHINE DIMENSION SIZE	L800*W720*H800MM
Working Area	Max 180*200mm *2pcs
Weight	Around 95kg
Air	0.5~0.80 Mpa
Power	AC220V±10%50HZ.2000W
Temperature setting	3section
Work Environment	10~60°C 40%~95%
Soldering Pressure	1~100N
Soldering Pressure Precision value	±1N
Temperature Setting	RT~ 500°C, (±2°C)
Heating Rate	250°C/s
Soldering Time	1-99.9S
Soldering Precision	Pitch 0.2mm
Soldering Head Size	Max 50*3mm (or customized)
Soldering Head Flatness	±0.02mm
Soldering Pin Range	>0.2mm
Contraposition Mode	CCD+ Display
Positioning Fixture	2pcs
Material Placement Method	Manually
Start Mode	Start buton
Heating Mode	Pulse heating, the rise time is 1~2S
Platform Mode	Rotating Platform
Platform Control	Precision motor control,Precision value <0.02mm
Soldering Pressure Output	Motor Drive (closed-loop control)

Configuration

MAIN CONFIGURATION NAME	PLACE OF ORIGIN
Precision reducer	Taiwan
Rotary motor	Precision stepper motor / Panasonic servo
Rotary drive	Stepper drive / Panasonic servo
ZL press motor / push down drive	Precision stepper motor / Panasonic servo
Linear Guides	Taiwan silver
Screw rod	TBI
Photoelectric Sensors	Omron
Pulse transformer	Customized
System controller	Self development
Switching power supply	Taiwan Ming weft
Motor drive power	Customized
Liquid crystal display	/
CCD	/
The pressure regulating valve	Airtic
Solenoid valve	Airtic
Precision adjusting knob	/
Button	Schneider

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+disply *1set
- Air pipe*1pcs
- 1 year parts warranty

Optional configuration

- Customized precision fixture.
- Customized Soldering tip
- Start button
- Emergency Stop button
- Power switch button
- Z-axis pressure automatic detecting device (With pressure detection function, it automatically detects and adjusts the pressure to solve the problem of uneven force)