

Model RB-630

Rotary Head Wedge Bonder

RB-630

RB-630 Main Features :

- > Bonding Speed up to 4 wires per second
- > Bonding Area up to 200 mm x 150 mm
- > High resolution and accuracy XYZT movements
- > Digital Bond Quality Monitoring and Enhancement system
- > Up to 5 mm clearance for SMT components
- > High resolution CCTV with automatic focusing and lighting adjustment
- > Automatic Die and Bond Pad alignment to enhance bonding accuracy
- > Multi Die bonding capability
- > Automatic non-stick and missing wire detection
- > "Windows" based user friendly operating menu with LCD color monitor
- > Modular design of Bonding Head, Work Holder etc.
- > Simple set-up and quick maintenance
- > Option for Automatic Load / Unload from Magazine
- > High return of investment



*RB-630 with
Automatic Magazine Handler*



*RB-630 with
Manual Loading Work Holder*

Specifications :

- Bonding Head	
Wire feed angle	38 degree - standard 50 degree - optional
Bonding speed	4 wires / sec.
Bonding wire	0.7 – 2 mils dia (17-50µm)
Ultrasonis System	Microprocessor Controlled 100 KHz
- XY Table	
Bonding area	200mm x 150mm
Resolution 解析度	0.4µm
- Z Motion	
Travel	15mm
Resolution	0.4µm
- Angular Motion (Theta)	
Rotation Angle	+/- 200 degree
Resolution	0.008 degree
- Programmable Bonding Parameters	
Bond force	15 – 120 gr
Bond time	0 – 255 ms
Ultrasonic power	0 – 5 Watts, 256 channels
Loop height	60 – 2,000µm
- Pattern Recognition System	
Imaging	256 Grey Scale
Accuracy	1/4 Pixel
- Electronics	
Ultrasonic System	Auto-tune Bond Quality Monitor
Motor Drivers	AC Servo
- User Interface	
Display Screen	Color LCD
Input Device	PC Track Ball and Keypad
- Utility, Size and Weight	
Power	220V/110V, 600 Watts
Dimension	820mm wide, 870mm deep, 1600mm high
Weight	700 Kg

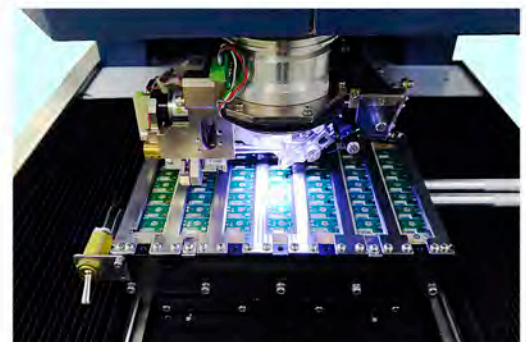
Options:

- 6X Stereo Zoom Microscope
- Custom Work Holder
- Extended XY Table of 250 mm x 150 mm
- Magazine Elevator and Automatic Feeder
- 50 Deg Wire Feed Modular Bonding Head

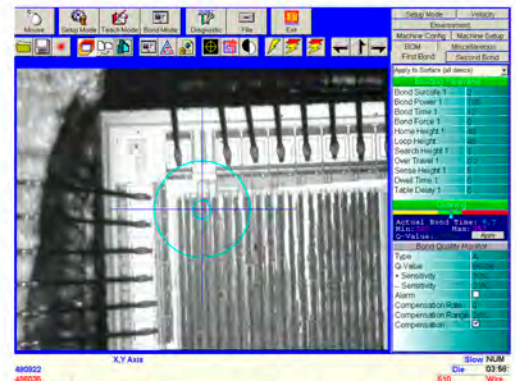
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Auto-tune Ultrasonic Bonding System



Rotary Bond Head and Manual Work Holder



User friendly operation menu



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