



# HB04 Ball Bonder



- + 17µ to 50µ Wire
- + Deep-access Bond Head 16 mm
- + Bond arm length 165 mm
- + motorized tail control
- + Digital control with 4,3" TFT Display
- + Storage for 20 parameter sets
- + Independent control of first and second bond parameters



# HB04 Thermosonic Ball Bonder

The HB04 is a bench top size wire bonder, easy to operate and ideal for laboratories. pilot and pre-production runs and small scale production lines.  
Direct access and simple adjustment to all bond parameters.

## Standard

Deep-access Bond Head  
PLL Ultrasonic generator  
Loop Height adjustable  
Large bonding area  
Stitch bonding  
Bond arm length 165 mm  
2" Wire Spool  
Electronic Flam Off for Ball bonding  
Bump bonding

## Options

H10 Zoom Stereo-Microscope Leica S6 20x  
H20 Built in Heater stage Controller (up to 250°C)  
H21 100 x 100 mm Adjustable height heated work stage  
H26 Adjustable height heated work stage surface 60 mm ø  
H29 Adjustable height heated work stage surface 90 mm ø  
H50 Spot light targeting System  
H55 Dual Fiber Optic illuminator  
H61 Bonding tool for Ball Bonding  
H70 Gold-Wire 25µ, 60 Meter, 2" Spool  
H71 Motorized 2" Wire Spool  
H72 ½ " Wire Spool adapter  
H73 Torque Wrench 25 cNm for Bonding Tool  
H86 External Heater stage Controller (up to 250°C)  
H90 Delivery with installation and user Training

## Technical Specifications

Ultrasonic system	PLL Control 62 kHz transducer
Ultrasonic power	0 - 2 watt
Bond time	15 - 500 msec.
Bond force	15 - 100 cNm
Ball Bonding Tool	1,58 Dia. X 19 mm length (0,0624" Dia. x 0,750")
Gold wire diameter	17 to 50µ ( 0,7 to 2 mil )
Wire Spool	50,8 mm ( 2 inch )
Wire termination	Bond Head tear
Wire feed angle	90° for Wire
Throat depth	165 mm ( 6,7")
Fine Table motion	15 mm (0,55 ")
Mouse ratio	6:1
Electrical Requirements	100 - 240V +/-10% 50/60 Hz 5A max.
Physical Dimensions	500 mm ( 27")W x 500 mm (25") D x 490 mm ( 19") H
Weight	Shipping 55kg Net 42kg
Industry Standards	CE standards



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