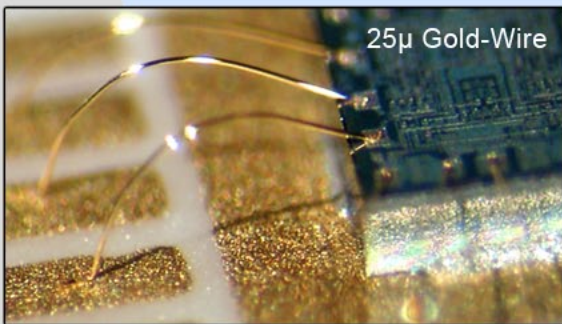




# HB02 Wedge Bonder



- + Wedge bonding
- + 17µ to 75µ Wire and 25µ x 200µ Ribbon
- + motorized Tail control
- + deep-access Bond Head 16 mm
- + Digital Control with 4" TFT Display
- + 20 Program storage capacities
- + Bond arm length 165 mm
- + Independent control of first and second bond parameters

# HB02 Thermosonic Wedge Bonder

The HB02 is a compact size wire bonder, easy to operate and ideal for laboratories, pilot and small scale production. Storage for up to 20 parameter sets  
Fast and easy control of all bond parameters like US-energy, bond force and -time.  
Internal heater-controller for heated work stage and tool heater.

## Standard

Deep-access Bond Head  
PLL Ultrasonic generator  
Large bonding area  
Stitch bonding  
Bond arm length 165 mm  
2" Wire Spool

## Options

H10 Zoom Stereo-Microscope Leica S6 20x  
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  
H60 Bonding tool for Wedge bonding 25µ wire  
H70 Gold-Wire 25µ, 60 Meter, 2" Spool  
H72 ½ " Wire Spool adapter  
H73 Torque Wrench 25 cNm for Bonding Tool  
H74 Aluminium -Wire 25µ, 60 Meter, 2" Spool  
H90 Delivery with installation and user Training

## Technical Specifications

Ultrasonic system	PLL Control 62 kHz transducer
Ultrasonic power	0 - 1 watt Low / 0 - 2 watt High output
Bond time	20 - 999 msec.
Bond force	15 - 130 cNm
Wedge 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 )
Aluminium wire diameter	17 to 50µ ( 0,7 to 2 mil )
Gold ribbon	up to 25 x 200µ ( 1 x 8 mil)
Motorised Wire Spool	50,8 mm ( 2 inch )
Wire termination	Bond Head tear
Wire feed angle	90° for Wire and Ribbon
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 10A max.
Physical Dimensions	550 mm W x 450 mm D x 250 mm H
Weight	Shipping 29kg Net 25kg
Industry Standards	CE standards



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