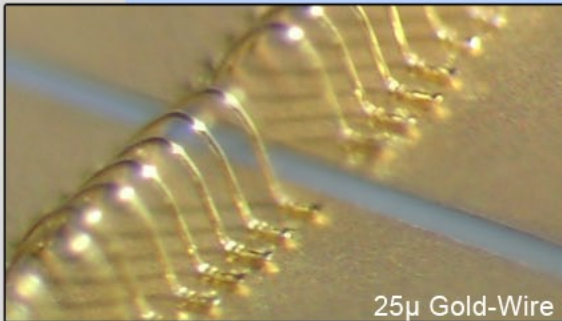
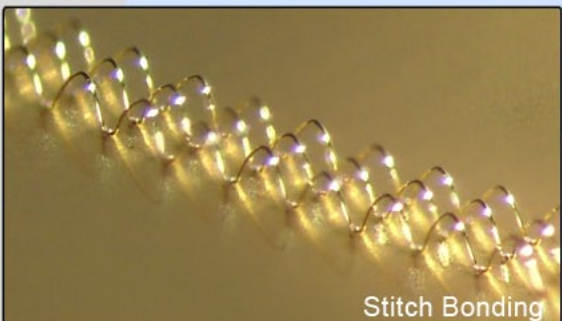




# HB02 Wedge Bonder



25µ Gold-Wire



Stitch Bonding

- + 17µ to 75µ Wire and 25µ x 200µ Ribbon
- + Deep-access Bond Head 16 mm
- + Bond arm length 165 mm
- + 2" Wire Spool Holder
- + 6:1 ratio X-Y manipulator
- + stitching capability
- + Independent control of  
first and second bond parameters

# HB02 Thermosonic Wedge Bonder

The HB02 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

## 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 - 2 watt  |
| Bond time               | 15 - 500 msec.                                    |
| Bond force              | 15 - 150 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 ( 1x8 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 5A max.                |
| Physical Dimensions     | 680 mm ( 27")W x 640 mm (25") D x 490 mm ( 19") H |
| Weight                  | Shipping 55kg Net 42kg                            |
| Industry Standards      | CE standards                                      |



TPT Franz Hickmann  
Lärchenweg 59a  
D-85757 Karlsfeld  
Tel.: +49 (0) 8131 / 58604  
Fax: +49 (0) 8131 / 58654  
www.tpt.de