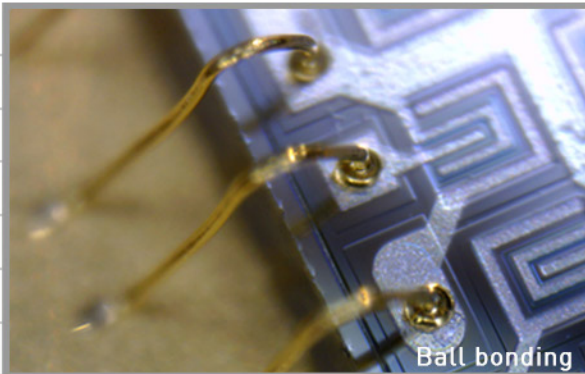


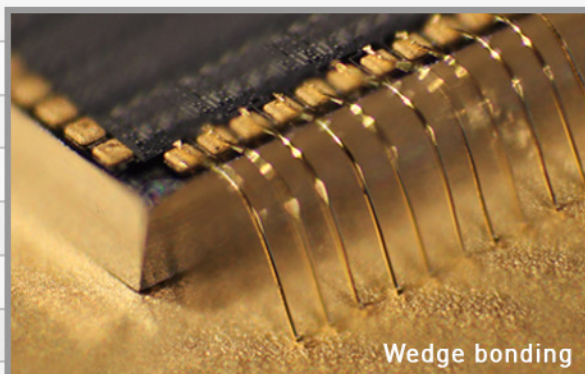


# HB05 Wedge & Ball Bonder

## Manual Wire Bonder



- + Wedge, Ball, Bump and Ribbon bonding
- + 17 $\mu$  to 75 $\mu$  Wire and 25 $\mu$  x 250 $\mu$  Ribbon
- + 4,3" TFT Display & Multi Button
- + Deep-Access Wedge 16mm / Ball 13mm
- + Bond Arm Length 165mm
- + Motorized Tail Control
- + 20 Program Storage Capacities
- + Electronic Ball Size Control



- + Pick & Place Option
- + Pull Tester Option

# HB05 Thermosonic Wire Bonder for Wedge & Ball Bonding

The HB05 is a **Bench Top Size Wire Bonder**, ideal for laboratories and pilot production lines.  
**One Bond Head** for bonding in Ball/Wedge or Wedge/Wedge bonding mode. Only tool change necessary.  
Easy operation with **TFT Display**, direct access and simple adjustment of all bond parameters.

## Technical Specifications

Bonding Methode                      Wedge-Wedge, Ball-Wedge, Ribbon- & Bumb- bonding

Gold wire diameter                  17 - 75  $\mu\text{m}$  ( 0,7 - 3" )

Aluminium wire diameter          17 - 75  $\mu\text{m}$  ( 0,7 - 3" )

Ribbon size                            max. 25 x 250  $\mu\text{m}$  ( 1 x 9,8" )

Ultrasonic system                    63,3 kHz Transducer PLL Control

Ultrasonic power                    0 - 10 Watt Output

Bond time                              0 - 20000 msec.

Bond force                             5 - 200 cN (350 cN option)

Bonding tool                          1,58  $\varnothing$  19 mm length (0,0624" x 0,750")

Manual Wire Spool                  50,8 mm ( 2" )

Wire termination                    Bond Head Tear

Wire feed angle                      90°

Clamp movement                    Motorized, Up / Down

Ball size control                      Electronic

Throat depth                          165 mm ( 6,5" )

Fine Table motion                    10 mm (0,39" )

Mouse ratio                            6:1

Temperature controller              up to 250°C +/- 1°C

Electrical Requirements            100 - 240V +/-10% 50/60 Hz 10A max.

Physical Dimensions                550 (22") x 450 (18") x 250 mm (10")

Weight                                  Net 25 kg

Industry Standards                  CE standards

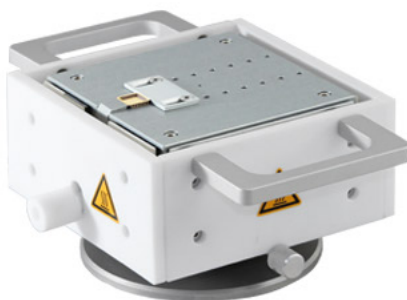
## Accessories:



H26 60mm  $\varnothing$   
Heater Stage



H29 90mm  $\varnothing$   
Heater Stage



H21 Heater Stage  
100 x 100mm



H69 Bond Starter Kit



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Made in Germany

Specifications are subject to change without prior notice