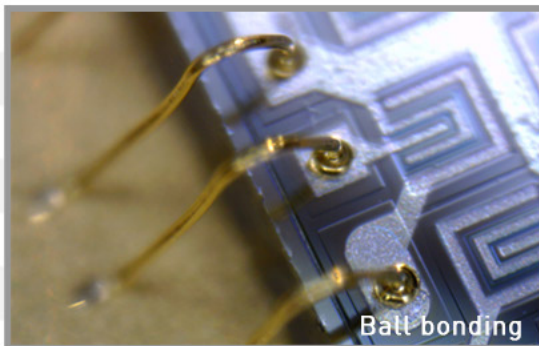


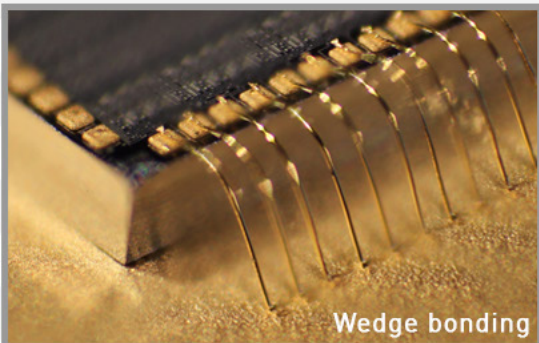


# HB16 Wedge & Ball Bonder

Motorized Z- & Y- axis



Ball bonding



Wedge bonding

- + Wedge, Ball, Bump and Ribbon bonding
- + 17 $\mu$  to 75 $\mu$  Wire and 25 $\mu$  x 250 $\mu$  Ribbon
- + 6,5" TFT Touch Screen
- + Deep-Access Wedge 16mm / Ball 13mm
- + Bond Arm Length 165mm
- + 100 Program Storage Capacities
- + Motorized Z- & Y-Axis
- + Programmable Loop Profile
- + USB Backup
- + Electronic Ball Size Control

- + Pick & Place Option
- + Pull Tester Option
- + Copper Bonding Option

# HB16 Thermosonic Wire Bonder for Wedge & Ball Bonding

The HB16 is a **Bench Top Size Wire Bonder**, ideal for laboratories, pilot and small scale production lines. **One Bond Head** for bonding in Ball/Wedge or Wedge/Wedge bonding mode. Only tool change necessary. Easy operation with **TFT Touch Screen** and 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 $\mu$  ( 0,7 - 3 mil )

Aluminium wire diameter 17 - 75 $\mu$  ( 0,7 - 3 mil )

Ribbon size max. 25 x 250 $\mu$  ( 1x 8 mil)

Ultrasonic system 63,3 kHz Transducer PLL Control

Ultrasonic power 0 - 10 Watt Output

Bond time 0 - 10 sec.

Bond force 5 - 150 cNm (350cNm option)

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

Motorised Wire Spool 50,8 mm ( 2" )

Wire termination Bond Head Tear / Clamp Tear

Wire feed angle 90°

Clamp movement Motorized, Up / Down

Ball size control Electronic

Motorized Z travel 17 mm (0,67")

Motorized Y travel 10 mm (0,27")

Throat depth 165 mm ( 6,7" )

Fine Table motion 10 mm (0,4 " )

Mouse ratio 6:1

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

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

Physical Dimensions 680 (27") x 640 (25") x 490mm (19")

Weight Net 42 kg

Industry Standards CE standards

## Accessories:



100 x 100mm  
Heater Stage



Bondstart Kit



Manual Z



Pick & Place  
Heater Stage



Pull Tester



Spotlight Targeting System



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Specifications are subject to change without prior notice