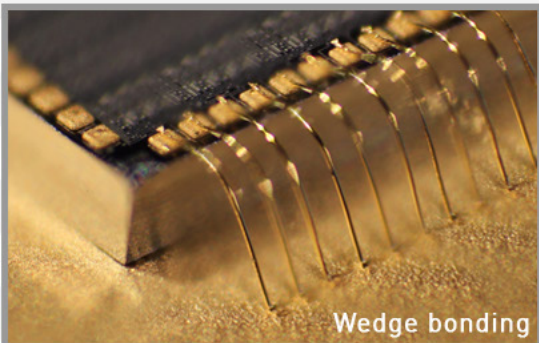
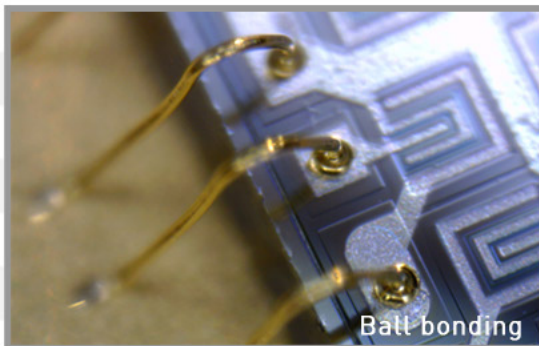




HB16 Wedge & Ball Bonder

Motorized Z- & Y- axis



- + Wedge, Ball, Bump and Ribbon bonding
- + 17 μ to 75 μ Wire and 25 μ x 250 μ Ribbon
- + 6,5" TFT Touch Screen
- + Deep-Access Bond Head 16mm
- + 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 μ (0,7 - 3 mil)

Aluminium wire diameter 17 - 75 μ (0,7 - 3 mil)

Ribbon size max. 25 x 250 μ (1x 8 mil)

Ultrasonic system 62 kHz Transducer PLL Control

Ultrasonic power 0 - 5 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 7 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



Franz & Fabian Hickmann GbR

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

Specifications are subject to change without prior notice