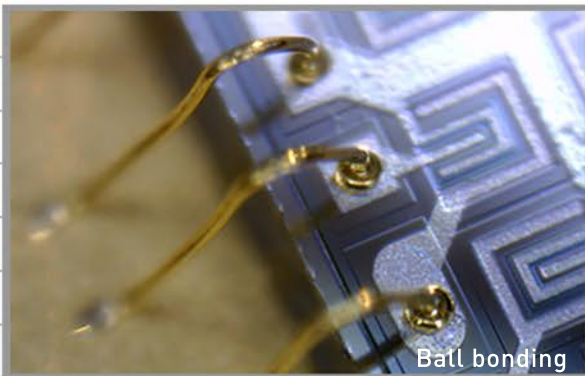


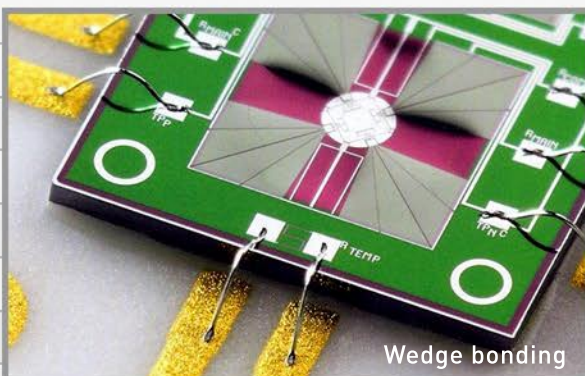


HB16 Wedge & Ball Bonder

Motorized Z- & Y- Axes



- + Wedge, Ball, Bump and Ribbon bonding
- + 17µm to 75µm Wire and 25µm x 250µm 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 μm (0,7 - 3 mil)
Aluminium wire diameter	17 - 75 μm (0,7 - 3 mil)
Ribbon size	max. 25 x 250 μm (1 x 10 mil)
Ultrasonic system	63,3 kHz Transducer PLL Control
Ultrasonic power	0 - 10 Watt Output
Bond time	0 - 20000 msec.
Bond force	5 - 150 cN (350 cN option)
Bonding tool	1,58 \varnothing 19mm 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") 1 μm incremental steps
Motorized Y travel	10 mm (0,39") 1 μm incremental steps
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	680 (27") x 640 (25") x 490 mm (19")
Weight	Net 42 kg
Industry Standards	CE standards

Accessories:



H26 Heater Stage
with Pick & Place



H69 Bond Starter Kit



H51 Manual Z-Axis Control



H21 Heater Stage
100 x 100mm



H50 Spotlight Targeting System



H89 Video Targeting System



TPT Wire Bonder GmbH & Co.KG
Einsteinstr. 10 D-85757 Karlsfeld
Tel.: +49 (0) 8131 / 7573 50
www.tpt.de / info@tpt.de

Made in Germany