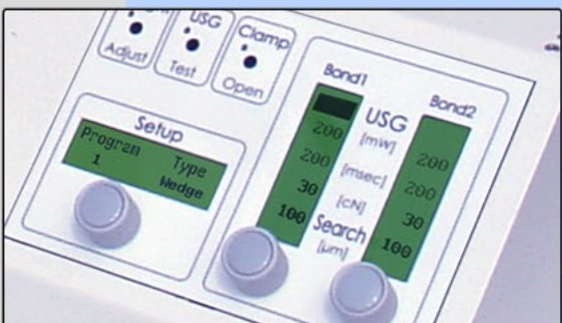




HB08 Ball Bonder



25µ Gold-Wire



- + Ball and Bump bonding
- + 17µ to 50µ Wire
- + Digital Control with LCD Display
- + Deep-access Bond Head 16 mm
- + Bond arm length 165 mm
- + 20 Program storage capacities
- + Heater stage & Tool Heater Controller
- + Built in Dual Fiber Optic illuminator
- + Motorised Z Bond Head
- + Motorized 2" Wire Spool Holder
- + 6:1 ratio X-Y manipulator
- + Electronic ball size control
- + Loop Height Programmable
- + Semi-auto and Manual Bonding Mode

HB08 Thermosonic Ball Bonder

The HB08 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 and programs.

Standard

Digital Control with LCD Display
Deep-access Bond Head
PLL Ultrasonic generator
Loop Height programmable
Large bonding area
Stitch bonding
Bond arm length 165 mm
20 Program storage capacities
Built in Dual Fiber Optic illuminator
Built in Heater stage & Toll Heater Controller
Motorised 2" Wire Spool
Motorised Z
Semi-automatic and manual bonding
Electronic ball size control
Bump bonding

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
H61 Bonding tool for Ball Bonding 25µ wire
H70 Gold-Wire 25µ, 60 Meter, 2" Spool
H72 ½ " Wire Spool adapter
H73 Torque Wrench 25 cNm for Bonding Tool
H90 Delivery with installation and user Training

Technical Specifications

Ultrasonic system	PLL Control 62 kHz transducer
Ultrasonic power	0 - 2 watt
Bond time	15 - 5000 msec.
Bond force	15 - 150 cNm
Ball 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)
Motorised Wire Spool	50,8 mm (2 inch)
Wire termination	Bond Head tear
Wire feed angle	90° for Wire and Ribbon
Motorized Z travel	15 mm (0,6")
Throat depth	165 mm (6,7")
Fine Table motion	15 mm (0,55 ")
Mouse ratio	6:1
Temperature controller	up to 250°C +/- 1°C
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 60 kg Net 45 kg
Industry Standards	CE standards



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