

## Model WB-200

### Semiautomatic wire bonder with 3 motorized axis



## MADE IN GERMANY

- Compact table top system
- Wedge and Ball Bonding with Gold- and Aluminium wire 17µm-50µm
- Motorized Deep Access Bondhead Z-axis
  > Travel distance 40 mm
  - > Accuracy 1,0 µm
  - > Arm length 165 mm
- Motorized X-Y table
  > Travel distance 50 x 50 mm
  > Accuracy 1,0 µm
- SIMATIC ® control with 7" Touch Panel

# SPECIAL

- 250°C Hot chuck with 60 mm diameter
- Motorized wire spool
- Electronic flame off (EFO)
- All 3 axis are controlled by mouse
- Integrated goose neck light with LED
- Ethernet
- Vertical camera for precise bonding

## PROGRAMMING

- Bondforce I and II
- Time I and II
- Power I and II
- Loop height, direct revers
- Start height
- Tail length
- Automatic bond height recognition
- 50 Programs with 5 steps saveable

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## **Charakterization Model WB-200**

The WB-200 is a versatile and flexible tool and combines its excellent design with high functionality and flexibility.

We offer a reasonable price for high quality product made in Germany:

- including a 2 arm goose neck LED light
- including a 60 mm diameter heated check/height adjustable
- on request with microscope and vertical camera
- Wedge, Ball and Bump Bonding
- 17 µm up to 50 µm Gold- and Aluminium wire
- SPS Control with 7" Touch Panel
- Deep-access bond head
- Bondarm length: 165 mm
- 50 Programs saveable
- mouse controlled X-Y and Z axis
- motorized wire spool



Bonding: either by using a manual Z (Option) or by using the mouse control and microscope or semiautomatic with mouse control and vertical camera system

The compact size and weight of the WB-200 allows an easy transport and placing on a table.

By ease change of the tool the WB-200 can be used either for wedge, ball or ribbon bonding.

WEDGE BONDING

OR

### BALL BONDING





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## **Technical Data Model WB-200**

#### Bond methods:

#### Wedge, Ball and Bump Bonding

Wire diameter gold: Aluminium wire diameter: 17 - 50 um

## 17 - 50 um

5 - 5000 msec.

5 - 100 cN

120 kHz

185 mm

140 mm

23 mm

#### Ultrasonic system:

#### PLL control 62 kHz transducer 0 - 2 Watt (also possible up to 10 Watts)

Model WBT140 Wedge and Ball Transducer

1,58 Dia. 19 mm length (0,0626" cx 0,750")

Ultrasonic power: Bond time: Bond force: Transducer: Frequency: Total length: Horn length: Tip length: Bond tool:

#### Axis system:

Motorized Z-Axis: Motorized Y-Axis: Motorized X-Axis: Maus ratio:

40 mm 50 mm 50 mm programmable

#### Motorized wire spool: Model MW (50,8 mm, 2") Bond Head Tear / Clamp Tear

90°

Wire termination: Wire feeding angle: Clamp movement: : Wire thickness: Wire control:

Heated work holder:

### Model HP-60

Heated area: Temperature: Heating control accuracy: ±1% Height:

60 mm diameter max. 250 °C adjustable 66-78 mm

motorized, up and down

12 - 50 µm (2" wire spool)

my infrared sensor and microcontroller

#### **Electrical Requirements: WB-200**

Voltage: Current: Dimension: Weight:

100 - 240 V, 50 - 60 Hz max. 5 A 580 x 510 x 490 mm 45 kg

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