

## Specifications

Concept	DC-motor driven Z-linear-axis, Single-board-PC, menu-controlled Teach-In, Operating and menu access via shuttle-wheel with push-button
Wire-types	Au-wire: 17,5...50 µm on 2" spool Optional on ½" spool
Bondhead	Contactless electronic Touchdown-Sensor US-Generator 0...5 W programmable, 60 kHz standard, other frequencies optional Negative Flame-Off Bondforce 15 until 150 cN manually adjustable Capillaries: 9 - 16mm length Step precision : 1 µm
Display	6,5" TFT Color-Display, 640x480 Pixel (VGA)
Working area	Bondhead linear Z travel: 60 mm; Standard workheight: 55mm Manipulator in X and Y: 18 x 18 mm Respond reduction: 1:7
Substrate-holder	Digitally controlled heated stage, up to 360°C Standard Ø 60 mm for tools up to 2" x 2", mechanical clamping 4" x 4", 80 mm and 95 mm Ø optional, also with vacuum
Control-modes:	Manual, semi-automatic Programline-Step for testing via Shuttle-wheel
Loop-types:	Ball-Wedge, Bumping, Reverse, Stitch programmable
Dimensions	Height: 400mm, width: 630mm, depth: 580mm, weight approx. 30kg
Connections:	100...230 VAC, single-phase; pot. Air-pressure / vacuum Ø 6 mm

Version  
E/2003



# 5310

## Manual Gold Ballbonder

All over the world research institutes, laboratories, producers of small scales and bond-substrates use our model 5310 und its sister machine 5330.

If you are searching for complex bond-tasks optimal quality at the most favourable price, this machine is the right choice. Work with always repeatable results – also after years.

Through the motor-driven motion in Z-axis the bonder can carry out the bond without operator intervention.

The operator can create different kinds of loops with the manipulator system.

Operators require only a minimum of training, making the 5310 the ideal choice for pre-series and small-scale production.

The 5310 is also perfectly suitable for rework.

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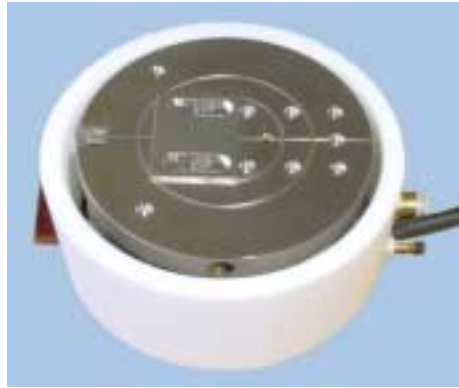
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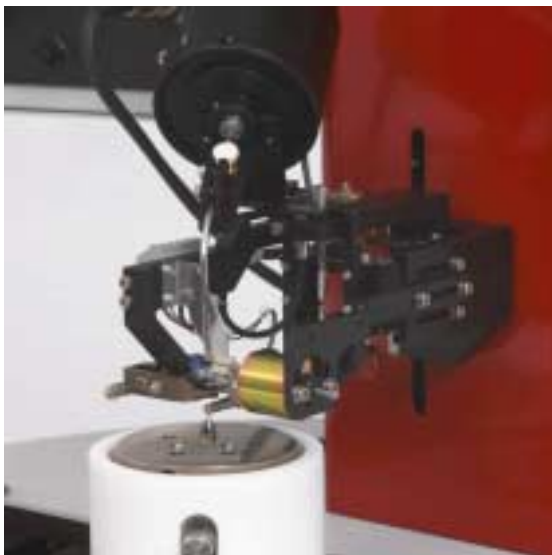
Option  
**TB0000.92.000**  
heated  
Ø 60mm, mechanical clamping



Option  
**TB0000.87.000**  
heated  
Ø 80mm, mechanical clamping and vacuum



Option  
**4.4031.0000A**  
heated  
4x4", mechanical clamping and vacuum



Bondhead 5310  
**4.2034.1000**  
with Flame-Off

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