BONDiNG THE STARS

Ball-Wedge Bonder 5310

Bond System

Wire types	Gold wire17,5-50µm on 2" spool
Bondhead	Ball-Wedge for Gold wire Standard capillaries 16mm (optional 19mm)
Ultrasonic System	F&S Generator 67kHz (optional 120, 130, 140kHz)

Bonder Base

Axes

- Programmable linear Z-axis with 60mm stroke
- Step resolution: 1 µm
- Standard working height: 55 mm
- Manipulator in X and Y: 18x18 mm
- Equivalent to: 1: 7

Hardware

- Stepper motor driven Z-linear axis,
- Single-board PC, coin-guided teach-in,
- Internal hard disk, operation and menu-guided via shuttle wheel with confirmation button

Software

- Programmable single Bonds
- Loop shapes can be saved

Control	Manual
Dimensions	W x D x H – 63 x 58 x 40 cm, weight approx. 30kg
Connections	100-230 VAC, 1 Phase, 50/60 Hz, max 230 VA Ø 6mm standard-vacuum tubing
Heater controller	Integrated in the machine 0-250 °C

The 53xx Series:

The Gold-Ball-Bonder 5310 can process gold wires from 17,5 to 50 µm, using the bumping mode as well as the stitchbond mode .

Due to the motor driven Z-axis you work always with repeatable results. Additionally every parameter can be saved to the internal harddisk.

You always work with repeatable results – also after a lot of years. The handling, supported by a colour display and the input with an shuttle-wheel make the programming of the machine very easy. The operator can create different kinds of loops with the manipulator system. Operators require only a minimum of training, making the 5310 manual ball bonder the ideal choice for prototype, re-work and smallscale production.

The 5310 is perfect suited for complex bond- tasks, optimal quality and the most favourable price. This machine is the right choice for such applications.

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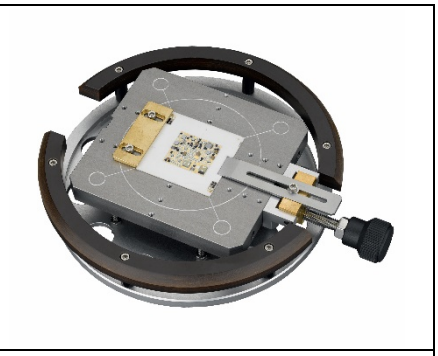
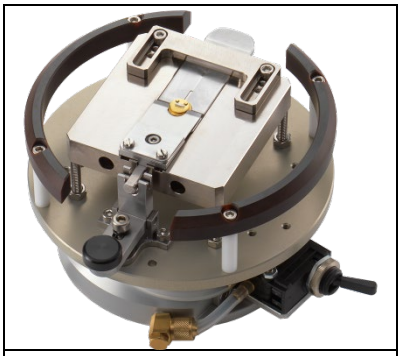
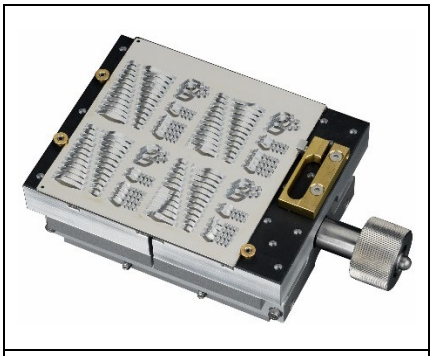
Workholder

Standard-Workholder
with mechanical clamping
Ø80mm

Optional:

		
workholder for parts up to 4x4" with vacuum and mechanical clamping	TO workholder with mechanical clamping	4x4" workholder with rubbered surface and mechanical clamping

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