



## Thin Wire Wedge-Wedge Bonder

### 5330

### Bond System

<b>Wire types</b>	Aluminium- and Gold wire 17,5–75µm on 2" spool Ribbon up to 250µm width (optional)
<b>Bondhead</b>	Wedge-Wedge for Aluminium- and Gold wire Standard tool 1" length, 45° wire feed Motorized wire spool (optional)
<b>Ultrasonic System</b>	F&S Generator 100kHz (optional 67, 140kHz)

### Bonder Base

#### Axes

- Programmable linear Z-axis with 60mm stroke
- Programmable linear Y-axis with 20mm stroke
- 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, semil-automatic

**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 Wedge-Wedge-Bonder 5330 can process aluminium and gold wires from 17,5 to 75 µm. Due to the clamp, it's possible to bond ribbons up to 250µm width. Due to the mechanical manipulator system the operator can create different kind of loops.

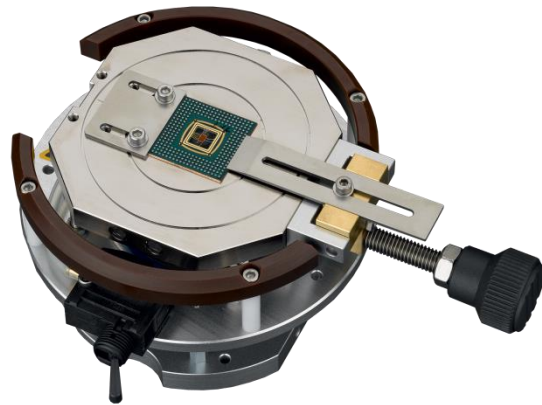
The bondhead is equipped with automatic feed- and tailfunction, which allows optimal, user-friendly bonding. The handling, supported by a colour display and the input with an shuttle-wheel make the programming of the machine very easy.

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

Operators require only a minimum of training, making the 5330 the ideal choice for small scale production, laboratory, prototyping, pre-series and repair applications.

## Workholder

Standard-Workholder  
With mechanical clamping  
Ø80mm



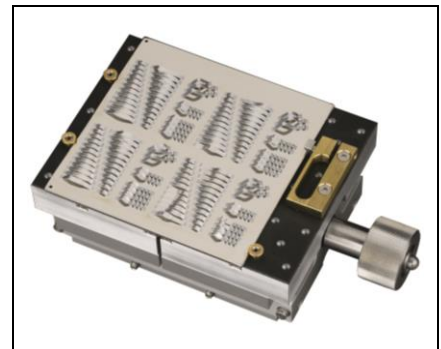
## Optional:



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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