



## Thin Wire Wedge-Wedge Bonder 5630

### Bond System

<b>Wire types</b>	Aluminium and gold wire 17,5–75µm on 2" spool
<b>Bondhead</b>	Wedge-Wedge for thin wire Standard tool 16mm (optionally 19mm) Standard wedges of 1" length, 45° wire feed Motorized wire spool (optional)
<b>Ultrasonic System</b>	F&S Generator 100 kHz (optional 65, 140kHz)

### Bonder Base

#### Axes

- Working area X/Y-axis 100x100mm  
Z-axis 60mm
- Step resolution 0,25µm
- Repeatability <2µm

#### Hardware

- Dual Core PC, 1,6 GHz processor,
- 4 GB RAM, Ethernet, 4x USB-Hub Front
- Firewire CCD colour camera 1,4 MPixel
- Network-capable with TCP / IP server

#### Software

- Single bonds up to complex programs,
- Loop shapes can be saved in libraries
- Optional pattern recognition

#### Speed

20 wires per minute

#### Dimensions

W x D x H – 70 x 65x 70 cm, weight approx. 80kg

#### Connections

100–240 VAC, 1 Phase, 50/60 Hz, max 500 VA  
Ø 6mm standard vacuum tubing

**Heater controller** Integrated in the machine 0–250C°

### Die 56xx Series:

The semi-automatic Wedge-Wedge Bonder 5630 fills the gap between the manual Wedge to the automatic-bonder. He is on basis 5600-series fully PC controlled and allows any number of bonds to be programmed.

Pre-programmed adjust points are targeted through the camera's cross hair targeting system and the programmed bonds are executed automatically.

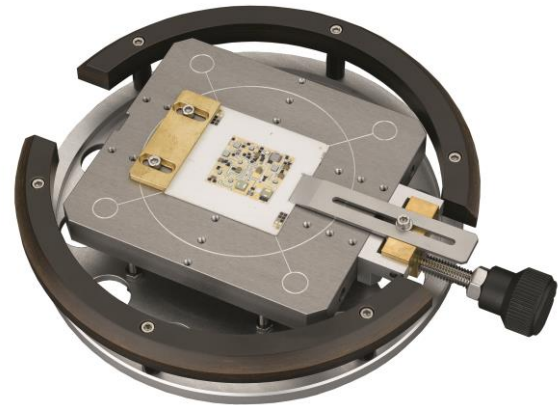
Two operating modes are available: Single bond for repair of various bond samples and making single bonds (manual/automatic) and multi wire for teaching and bonding chips or various bond samples (semi & fully automatic).

The 5630 can also be used as Gold Wire or Alu Heavy Wire as well as pull-/shear tester by simply replacing the bond head and loading the appropriate software.

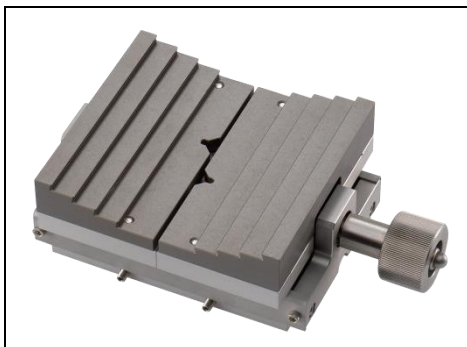
Set up time: ~3 minutes.  
Ask us for more information !

## Workholder

Standard-Workholder  
for parts up to 4x4"  
with Vacuum und mechanical clamping



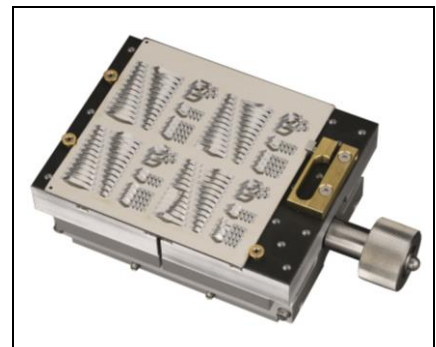
## Optional:



workholders up to 4x4"  
with jaws



TO workholder with  
mechanical clamping



4x4" workholder with  
rubberized surface and  
mechanical clamping

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