



## Deep Access Wedge- Wedge Bonder 5632i

### Bond System

<b>Wire types</b>	Aluminium and gold wire 12,5-75µm on 2" spool Ribbons from 30x12,5µm to 250x25µm
<b>Bondhead</b>	Wedge-Wedge for Ribbon and thin wire Standard tool of 1" length, 3/4" (optional) motorized wire spool (optional)
<b>Ultrasonic System</b>	F&S US System 100kHz (optional 65, 120, 140kHz)

### Bonder Base

#### Axes

- Working area X/Y-axis 100 x 100 mm
- Step resolution 1 µm programmable
- Programmable Z-axis with 60mm stroke

#### Hardware

- Dual-Core PC with Windows OS Ethernet
- USB 2.0/3.0, LCD Color display 22"
- GigE-CMOS-Color camera
- Network compatible with program archiving

#### Software

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

**Placement accuracy:** +/- 5 µm @ 3 sigma, incl. Tool / no wire on F&S BONDTEC standard substrate

**Repeatability:** +/- 3 µm @ 3 sigma, incl. Tool / without wire on F&S BONDTEC standard substrate

**Loop height accuracy:** +/- 5 µm @ 3 sigma, for thin wire 5630i with 25 µm aluminum wire on F&S BONDTEC standard substrate

### Die 56xxi Series:

The semi-automatic Wedge-Wedge Bonder 5632i fills the gap between the manual Wedge-Bonder series 53xx to the automatic-Bonder. The 5632i Deep-Access Bonder can be used also as Ribbon-Bonder.

It is on basis 5600i-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 (manualautomatic) and multi wire for teaching and bonding chips or various bond samples (semi and fully automatic).

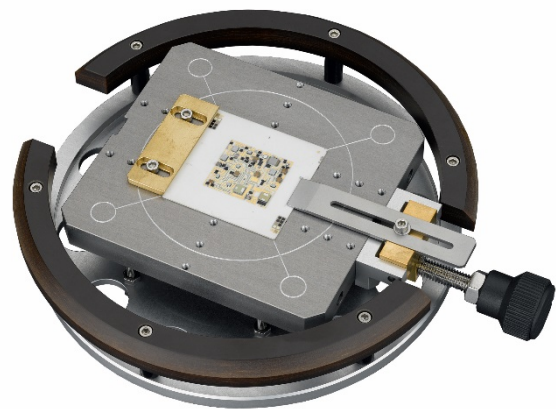
The 5632i can also be used as Gold Wire, Ball or Alu Heavy Wire Bonder as well as pull-/shear tester by simply replacing the bond head and loading the appropriate software.

Set up time: ~5 minutes.  
Ask us for more information!

- Speed** 1 wire / 2 - 3 seconds
- Dimensions** W x D x H – 70 x 65x 70 cm, weight approx. 75 kg
- 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°

## Workholder

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



## Optional:



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