BONDING THE STARS

F/S BONDTEC

Deep-Access Wedge-Wedge Bonder 5632

Bond System

Wire types	Aluminium and gold wire 17,5-75µm on 2" spool
	Ribbons from 30x12,5µm to 250x25µm
Bondhead	Wedge-Wedge for Ribbon and thin wire
	Standard tool of 1" length, ¾" (optional)
	motorized wire spool (optional)
Ultrasonic System	F&S Generator 67 kHz
	(optional 40, 90, 120kHz)

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

It 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 (manualautomatic) and multi wire for teaching and bonding chips or various bond samples (semi and fully automatic).
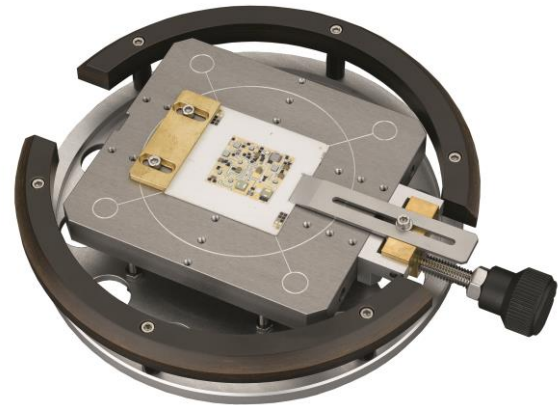
The 5632 can also be used as Gold Wire, Ball or Alu Heavy Wire Bonder as well as pull-/shear tester by simply replacing the bond head and loading the appropriate software.
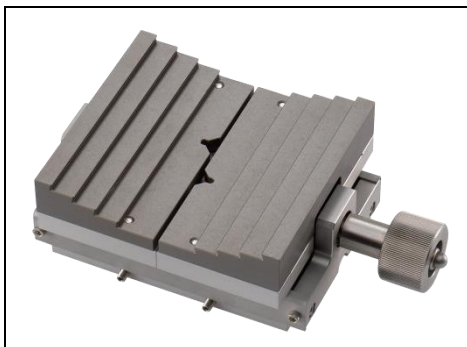
Set up time: ~5 minutes.
Ask us for more information !

Workholder

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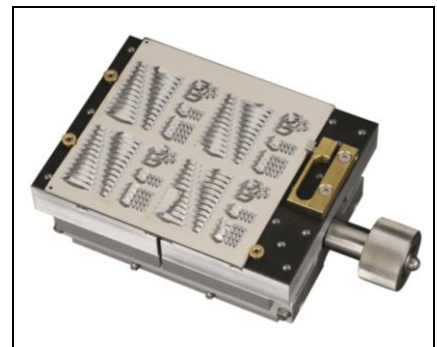with Vacuum und mechanical clamping

Optional:

workholders up to 4x4" with jaws	TO workhoder with mechanical clamping	**4x4" workholder** with . rubberized surface and mechanical clamping