

Specifications

Mechanics

X, Y table Working area 700 X 700 mm
Resolution 5µm, repeatability >5 µm

Z-axis 60 mm repeatability <2µm

Speed All axes programmable from
0,2..16mm/s
≤ 30 wires / min. (standard loop)

Bond head Wedge-Wedge Al - Heavy wire or Al-HR
Axis of rotation ± 360°
90° quick-change wire guide and cutter
Bond force programmable 100 to 1800cN
Optional 4500cN

Wire size Alu-wire 100 to 500 µm or
Optional Alu -Ribbon 1000x100µ,
2000x200µ and Cu-wire

Working area max.700 X 700 mm

Loop Forms Triangular, rectangular, reverse,
stitch bond
Free programmable

Work holder Customised work holders are available
on request.
Only unheated work holder available

Controls

Computer Dual Core PC Windows 7OS, Ethernet,
USB2.0/3.0
CLD Colour Display 22"

Other features

Programming: Automatic bonding of hybrids, power
modules or
others with programmable X/Y Gantry

PRU: optional: automatic Pattern
Recognition Unit

General

Camera Colour
With cross hair targeting for
positioning of bonds

Microscope Stereoscope Standard, other micro-
scopes e.g. Leica optional

Lighting 20 W LED spot light,

Dimensions Height 170 cm, width 140 cm, depth
135cm; approx.700 kg

Supplies 100...240 VAC, single-phase, 50/60
Hz, max. 500 VA

Connections Air 6 bar, vacuum - 0,7 bar ø 6 mm

5750

Large Area Semi-automatic Heavy Wire- Bonder

The semi-automatic Wedge-Wedge Bonder 5750 fills the gap between the manual Wedge-Bonders series 53xx from F&S Bondtec Semiconductor to the fully automatic wirebonding machines. On basis of the 5600-series the bonder is 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 samples in order to perform a single bond.(manual-automatic) Multi wire for teaching and bonding of single chips or various samples (semi and fully automatic).

Ask us for more information !

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Large Area Bonder -Model 5750



Retrofit-head 56xx for 57XX

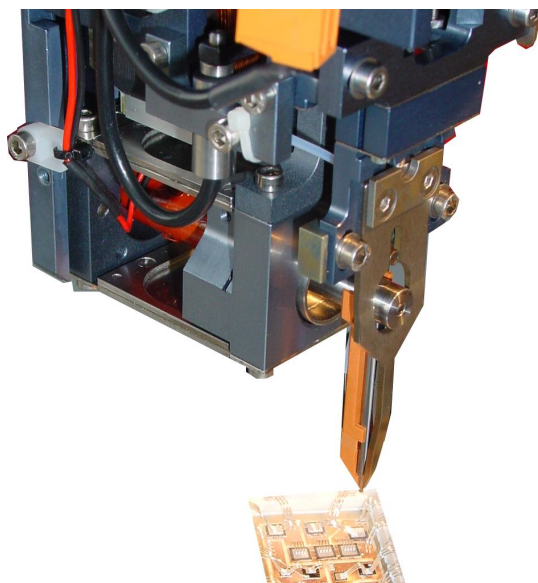
Bondhead 5650 (5650HR)

Bond tools 2"

Cutter system Front- or Back cut

Wire size (Al) 100 - 500 μ m

Wedge/Wedge Axis of rotation $\pm 360^\circ$



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