BONDING THE STARS

F/S BONDTEC

Heavy-Wire Wedge Bonder

5850

Bond System

Wire types	Aluminium wire 100-500µm on 4" spool Copper wire 100-300µm on 4" spool
Bondhead	Wedge-Wedge for heavy wire, Front or Backcut, Standard wedges of 2" length, (up to 90mm) Motorized wire despooler (optional) Programmable Voice-oil bond force system From 0 up to 1.800 cN
Ultrasonic System	F&S Generator 60 kHz (optional 40, 90, 120)

Bonder Base

Axes

- Working area X/Y-axis 200 x 150 mm;
- Programmable step resolution 1μm
- Programmable Z axis with 100 mm stroke;

Hardware

- Dual-Core PC with Windows OS, Ethernet,
- USB 2.0/3.0, Colour Display 22"
- GigE-CCD-Colour Camera, 5 Mpixel
- Fully networkable in TCP/IP servers

Software

- From single bonds up to complex programmes,
- Loop shapes can be saved in libraries
- Optional pattern recognition

Control

- high-performance embedded ARM-System with Real-time operating system for precision
- 1 wire / second

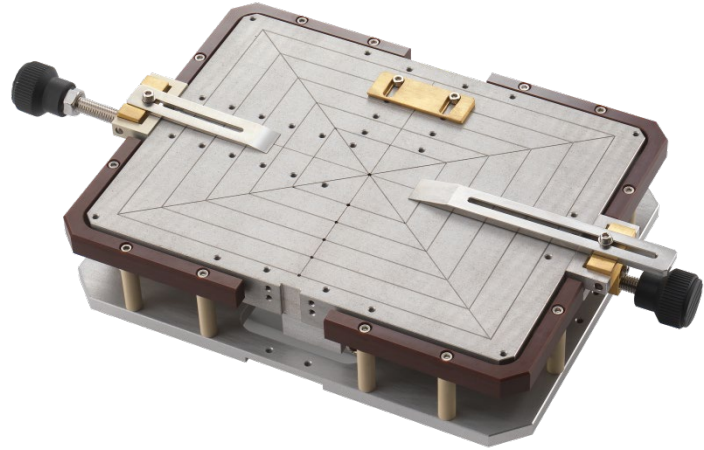|	
Dimensions	W x D x H 92 x 71 x 65 cm, weight approx. 80 kg
Connections	100-240 VAC, 1 Phase, 50/60 Hz, max 230 VA Ø 6 mm standard vacuum tubing
Heater controller	Integrated in the machine 0-250°C

The 58xx series:

The Heavy-wire version of the automatic wire bonders in our Series 58 featuring exchange able bond heads.

A fully automatic mode makes it ideally suited for medium-scale production. Parts to be bonded are fed manually by the operator, but the bonds are produced completely without operator influence.
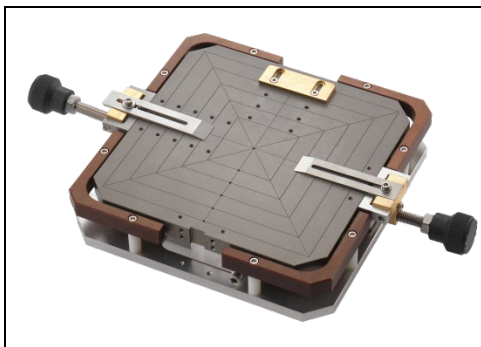
Thanks to the built-in pattern recognition. Single bonds can be made within seconds, making the machine perfect for R&D, Pilot manufacturing and middle volume production.

Workholer

Standard–Workholder
for parts up to 8x6"
with Vacuum und mechanical clamping

Optional:

6 x6" workholder with Vacuum and mechanical clamping

TO Workholder
with mechanical clamping

4x4" workholder with .
rubberized surface and
mechanical clamping