



## Heavy-Ribbon Wedge Bonder 5850HR

### Bond System

Wire types	Aluminium Ribbon up to 2000x300µm Copper wire 300-500µm on 4" spool
Bondhead	Wedge-Wedge for heavy wire, Standard Wedges of 2" Length, (optionally 90mm) Motorized wire spool (optional) Programmable Voice-oil bond force system 0 up to 1.800 cN (amplifiable up to 4.000cN)
Ultrasonic System	F&S Generator 60 kHz (optional 40, 90, 120kHz)

### Bonder Base

Axes	<ul style="list-style-type: none"> <li>Working area X/Y-axis 200 x 150 mm;</li> <li>Programmable step resolution 1µm</li> <li>Programmable Z axis with 100 mm stroke;</li> </ul>
Hardware	<ul style="list-style-type: none"> <li>Dual-Core PC with Windows 7 OS, Ethernet,</li> <li>USB 2.0/3.0, Colour Display 22"</li> <li>GigE-CCD-Colour Camera, 5 Mpixel</li> <li>Fully networkable in TCP/IP servers</li> </ul>
Software	<ul style="list-style-type: none"> <li>From single bonds up to complex programmes,</li> <li>Loop shapes can be stored in libraries</li> <li>Optional pattern recognition</li> </ul>
Control	<ul style="list-style-type: none"> <li>high-performance embedded ARM-System with Real-time operating system for precision</li> <li>1 wire / second</li> </ul>
Dimensions	WxDxH 92x71x65 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:

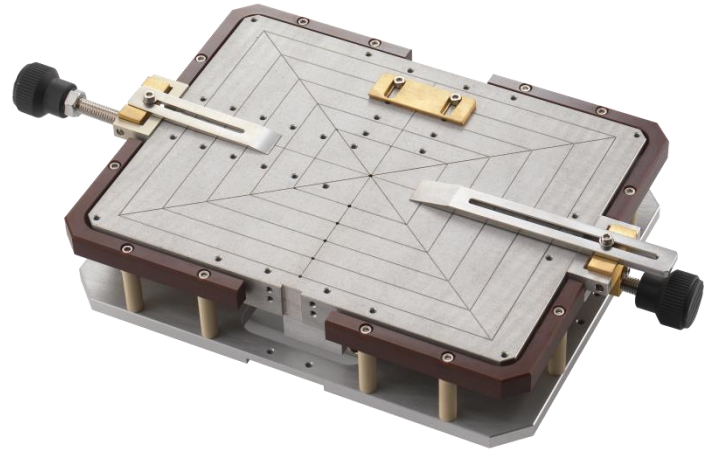
The Heavy Ribbon Wedge-Wedge version of the automatic wire bonders in our Series 58xx featuring exchange able bond heads.

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.

## Workholder

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

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