



5850

Heavy Wire Wedge Bonder

Bond System

Wire types	Aluminium wire 100 ... 500 µm on 4" spool Aluminium-Ribbon up to 2000 x 300 µm Copper wire 100 ... 500 µm on 4" spool Ribbons in Cu or composite materials motorized wire despooler (optional)
Bond head	Wedge-Wedge for heavy wire Front Cut or Back Cut Standard wedges of 2" length, optionally up to 90 mm 90° wire feed with patented, self-adjusting clip-on wire guide and quick-change cutter blade Programmable Voice-coil bond force system 100 up to 1000 cN
Ultrasonic System	F&K Generator 60 kHz (optionally 40, 90, 120 kHz)
Bonder Base	
Axes	Working area X/Y-axis 150 x 150 mm; step resolution 0,3 µm Programmable Z axis with 100 mm stroke; step resolution 0,3 µm

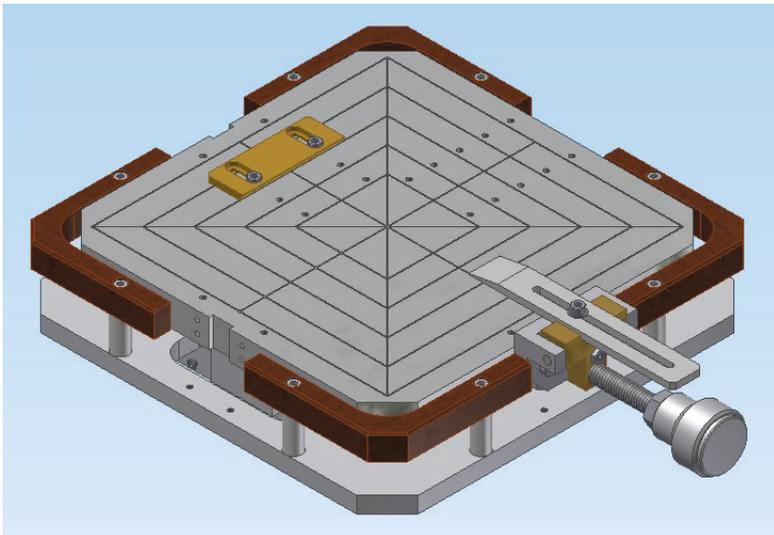
The Heavy-Wire version of the automatic wire bonders in our Series 58 featuring exchangeable bond heads.

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

BONDING THE STARS

Hardware	Dual-Core PC with Windows 7 OS, Ethernet, USB 2.0/3.0 LCD Colour Display 22" GigE-CCD-Colour Camera, 5 Mpixel Fully networkable in TCP/IP servers for program archiving
Software	From single bonds up to complex programmes, teach-in programming, also in step-and-repeat Loop shapes can be stored in libraries Optionally: pattern recognition with pseudo-error check
Dimensions	W x D x H 92 x 71 x 65 cm, weight approx. 80 kg
Connections	100...240 VAC, single phase, 50/60 Hz, max. 230 VA Ø 6 mm standard vacuum tubing
Workholder	Standard 8" x 6" with Vacuum optional 4"x4" and 95 mm Ø, Vacuum DIL/TO Workholder on request



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