

**Specifications**

<i>Technology</i>	Stepper motor driven Y and Z axes Single board PC controller, menu programming BPC 2000 on-line bond process control unit (optional)
<i>Wire Types</i>	100 to 500 µm diameter aluminium wire on 4" spool 1x10 to 2x20 ribbon material on 2" spools
<i>Bond Head</i>	Wire feed 90° with snap-on wire guide, quick-change blade Electronic touchdown sensing for every bond Programmable output ultrasonic system, 0 to 50 W, 60 kHz Programmable bond force 100 to 3000 cN
<i>Working Area</i>	Y axis: 40 mm, Z axis: 50 mm; 2.5 µm resolution Standard work height 136 mm (mid Z stroke) X/Y manipulator from 5x5 mm to 18x18 mm Equivalent manipulator step-down 1:2 to 1:7
<i>Work Holder</i>	Standard 2" x 2" for parts up to 2" x 2", mechanical clamping Optionally: 4" x 4", mechanical and vacuum clamping
<i>Operating Modes</i>	Manual, semi-automatic, automatic multi-wire Step mode for programme debug
<i>Loop Forms</i>	Standard rectangular, single and double reverse, stitch
<i>Programme Memory</i>	Up to 50 individual wires per programme, 250 programmes per 3.5" floppy disk
<i>Dimensions</i>	Height 50 cm, width 60 cm, depth 60 cm, approx. 55 kg
<i>Supplies</i>	100 to 230 VAC, single-phase; air and vacuum 7 mm diameter connector

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**New: Ribbon option!**



**5450**

**Manual  
and Semi-automatic  
Heavy Wire Bonder**

The user-programmable wedge bonder 5450 can process aluminium wires from 100 to 500 µm diameter as well as large ribbon applications. The compact desk-top unit is ideal for laboratory, prototyping, pre-series and repair applications. The stepping motor driven Y and Z axes enable single or multiple bonds to be executed reliable and repeatable under full program control. Operators require only a minimum of training, making the 5450 the ideal choice for pre-series and small-scale production. The bond head is virtually identical to the head on the fully automatic model 6600, ensuring rapid and trouble-free ramp-up to volume production.

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