



5330

Manual Wire Bonder

The Wedge-Wedge-Bonder 5330 can process aluminium and gold wires from 17,5 to 75 μm . Due to the new designed clamp, it's possible to bond ribbons up to 125 μm width. Due to the mechanical manipulator system the operator can create different kind of loops.

The bondhead is equipped with automatic feed- and tail-function, which allows optimal, user-friendly bonding.

The handling, supported by a colour display and the input with an shuttle-wheel make the programming of the machine very easy.

Due to the motor driven Z-axis you work always with repeatable results. Additionally every parameter can be saved to the internal harddisk.

Operators require only a minimum of training, making the 5330 the ideal choice for small scale production, laboratory, prototyping, pre-series and repair applications.

Specifications

<i>Concept</i>	DC motor driven Z-linear-axis single-board-PC menu-controlled teach in, operating and menu access via shuttle-wheel with push-button
<i>Wire types</i>	Gold- and aluminium wire 17,5...75 μm on 2" spool Option: 1/2" spool
<i>Bondhead</i>	Wire guide 45°/60° optional Contactless electronic touchdown-sensor US-Generator 60 or 100kHz reversible programmable 0 up to 5W Bond force 15 up to 150cN manually or electrically adjustable Clamp tear
<i>Display</i>	6,5" TFT Color-Display, 640x480 Pixel (VGA)
<i>Working area</i>	Bondhead linear Z travel: 60 mm; step precision 1 μm Standard workheight 70 mm Manipulator in X and Y: 18x18 mm complies reduction 1:7
<i>Substrate</i>	Standard diameter 60 mm for components up to 2" x 2" 4" x 4" and 80 mm \varnothing optional, also with vacuum Digitally controlled heated stage, up to 360°C optional
<i>Control mode</i>	Manual, semi-auto Program line-step for testing via Shuttle-wheel
<i>Loop types</i>	Standard rectangular, reverse, stitch, programmable
<i>Dimensions</i>	Height 400 mm, width 630 mm, depth 580 mm, weight approx. 30 kg
<i>Programme Memory</i>	internal hard disk 20 GB
<i>Connections</i>	100...230 VAC, single-phase; if necessary air pressure / vacuum \varnothing 7 mm

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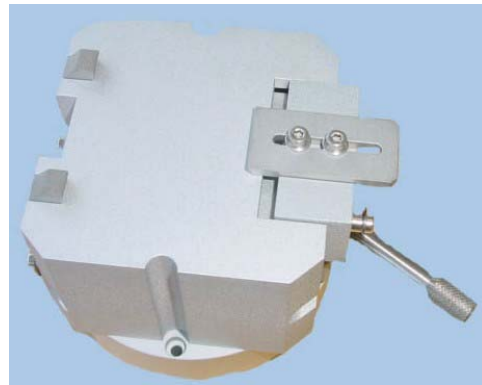
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BONDING THE STARS



Standard
TB0000.93.000
unheated
2x2"



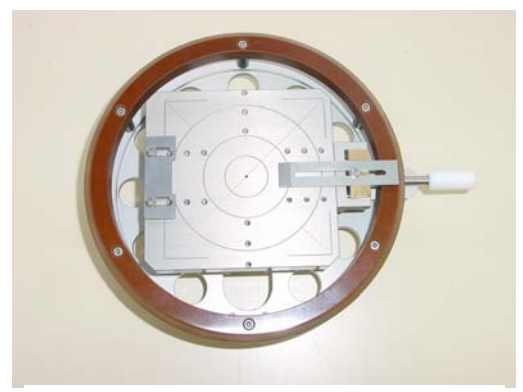
Option
TB0000.97.000
unheated
2x2"



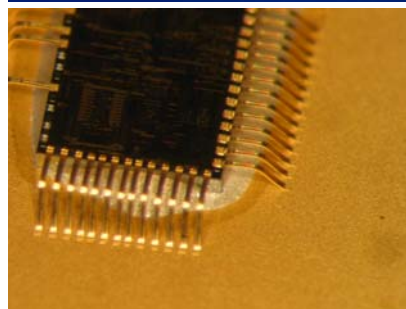
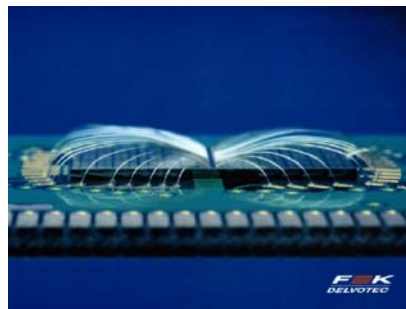
Option
TB0000.92.000
heated
Ø 60mm, mechanical clamping



Option
TB0000.87.000
heated
Ø 80mm, mechanical clamping and
vacuum



Option
4-0402-210-0
heated
4x4", mechanical clamping and
vacuum



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