



Automatic Large Area Bonder Heavy-Wire 8650

Bond System

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| Wire types | Aluminium wire 100-500 µm on 4 " spool Copper wire 100-300 µm on 4 " spool |
| Bond head | Wedge-Wedge for heavy wire, Front or Backcut, Standard wedges of 2 " length, (up to 90mm) Motorized wire despooler (optional) Programmable Voice-coil bond force system From 0 up to 1.800 cN |
| Ultrasonic System | F&S Generator 60 kHz (optional 40, 90, 120 kHz) |
| CO2 JetBox | CO2 snow cleaning (optional) |

Machine Base

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| Table travel | without CO2: X=700mm, Y=480mm, Z=100mm with CO2: X=650mm, Y=480mm, Z=100mm Resolution 1 µm, repeatability 5 µm |
| Speed | All axes programmable from 0.2 to 16 mm/s |
| Control Computer | Dual Core PC, Ethernet, USB 2.0/3.0 GigE-CCD-Colour Camera, fully networkable in TCP/IP server |
| Monitor | TFT flat screen monitor 22" |
| Printer | all Windows-compatible printers can be installed |

The 86xx series:

The Heavy-wire version of the automatic wire bonders in our Series 86 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.

Additional features

Programming Automatic repeat measurements on hybrids or COB using the programmable head Movement and Pattern Recognition Unit (PRU)

Other Operator profile, various password levels, optional barcode readers for product Identification: feedback of measured values to die and wire bonders for parameter optimisation optional

General

Microscope Stereoscope Olympus, other microscopes optional

Dimensions approx. height 200cm, width 130cm, depth 100cm, approx. 600kg

Supplies 230 VAC,

Connections Air 6 bar; vacuum 0,7 bar

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