



Automatic Large Area Bonder Heavy-Wire 8650

Bond System

Wire types	Aluminium wire 100-500µm on 4" spool Copper wire 100-300µm on 4" spool
Bondhead	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)
CO2 JetBox	CO2 snow cleaning (optional)

Machine Base

Mechanics	
Table travel X, Y, Z	axis travel: approx.: x= 720 mm y=512 mm 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"
Operating system	Windows 10
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
Lighting	LED spot light
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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