



## Automatic Lager 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-oil bond force system From 0 up to 1.800 cN
Ultrasonic System	F&S Generator 60 kHz (optional 40, 90, 120)

### 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 exchange able 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** a100-240 VAC,
- Connections** Air 6 bar; vacuum 0,7 bar

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