

Model 5800 IC Test Handler

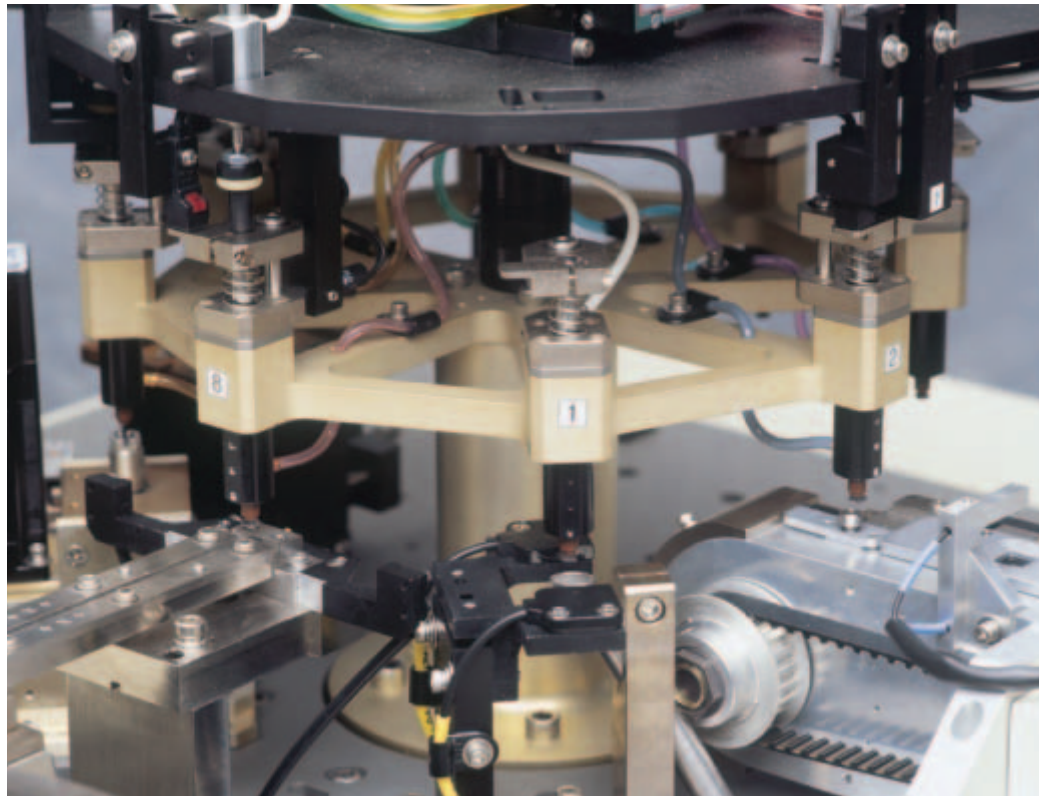


AETRIUM[®]

Experience, Technology, Solutions

Aetrium Model 5800 IC small footprint Test

Handlers are well suited for production volumes of small surface mount devices using bulk vibratory bowl feed. Device kits are available for SOT23, SOT89, SOT223, SC59, SC70, SC75, MLF,[™] QFN, Chip Scale and other packages.



Shown are orienter, bowl input track, bulk sort and Tape & Reel output.

High Speed Indexing with Precision Accuracy

- 16,000 uph at zero test time
- Up to 4 test sites
- Serial or parallel test

Flexible Configuration

- Temperature
 - Ambient
 - Hot
- Hot chamber
- Soft dock cable interface
- Eight turret process sites configurable for:
 - Mark inspection
 - Part orientation
 - Multiple test sites
 - Tape & Reel
 - Lead inspection
 - Reject bins
 - Bulk outputs
- Windows NT operating system
- Diagnostic help screen
- System setup screen
- Real time error logging

Device Handling

- Bulk vibratory bowl feed input
- Rotational capability (pin 1 orientation)
- Contacting
 - Kelvin
 - Standard (Non-Kelvin)
 - Customer supplied
 - Third party
- Up to 16 programmable bulk output categories
- Up to 2 Tape & Reel outputs

Process Integration

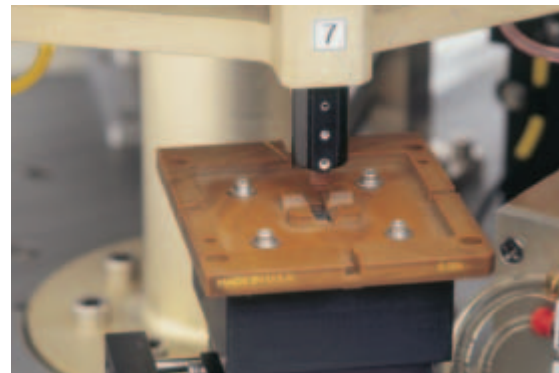
- Third party vision inspection
- Device inspection
 - True lead coplanarity
 - Implied lead coplanarity
 - Package visual
- Mark inspection
- Tape in-pocket inspection
- Laser ready



Diagnostic and Graphical User Interface



Vibratory Bowl Feed



Test Site



Programmable Bulk Output

Specifications

Applications

Package Types	SOT23, SOT89, SOT223, SC59, SC70, SC75, MLF™, QFN, Chip Scale and other packages
Test Sites	Up to 4

Environmental (optional)

Temperature Range	Ambient to +155° C
Accuracy	± 2° C at test site
Overtemp	Automatic alarm and shutdown

Contactors

Type	Kelvin Standard (Non-Kelvin) Customer supplied Third party
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Input/Output

Bowl Input	
Bulk Output	Up to 16 programmable categories including re-test
Tape & Reel Output	Up to 2
Throughput	Up to 16,000 uph @ Ø test time
Index Time	225 msec

Tester Interface

Signal Type	Standard TTL IEEE-488 GPIB optional
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Controls

Display	Color GUI
User Interface	Keyboard with integral mouse
System	PLC and intelligent motion control

Physical Dimensions

Weight	600 lbs. (280 kg)
Footprint	25 inches (64 cm) x 42 inches (107 cm)
Height	56 inches (143 cm)

Utilities

Air Supply	80 PSIG, dry filtered
Electrical	220 Volts AC, single phase 50/60 Hz
Environment	Maximum ambient air dew point ≤ 20° C

Specifications subject to change without notice.



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