

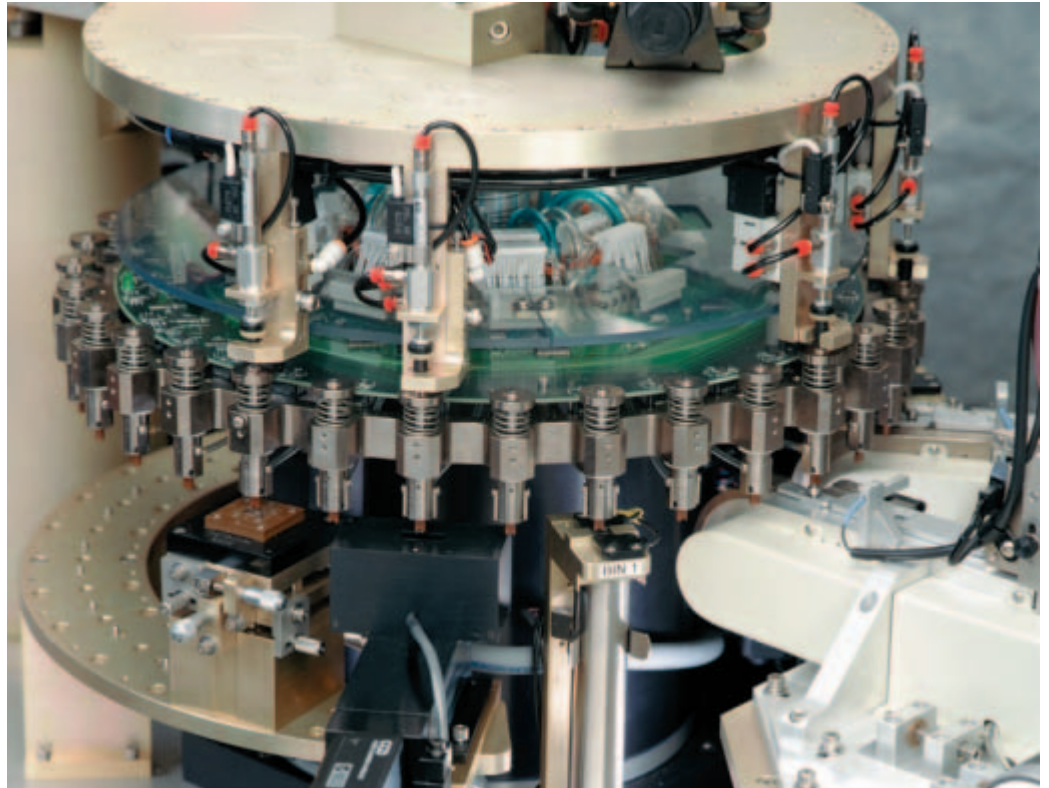
# Model 8832 IC Test Handler



**AETRIUM<sup>®</sup>**

*Experience, Technology, Solutions*

*Aetrium Model 8832 IC Test Handlers are well suited for high production volumes of small surface mount devices using bulk vibratory bowl feed input. Device kits are available for SOT23, SOT89, SOT 223, SC59, SC70, SC75, MLF™, QFN, D-PAK, TO, Chip Scale and other packages.*



*Shown, are bowl, input track, orienter, vision inspection and bulk sort*

## High Speed Indexing with Precision Accuracy

- 24,000 uph at zero test time
- Up to 8 test sites
- Serial or parallel test

# Flexible Configuration

- Soft dock cable interface
- Thirty-two 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



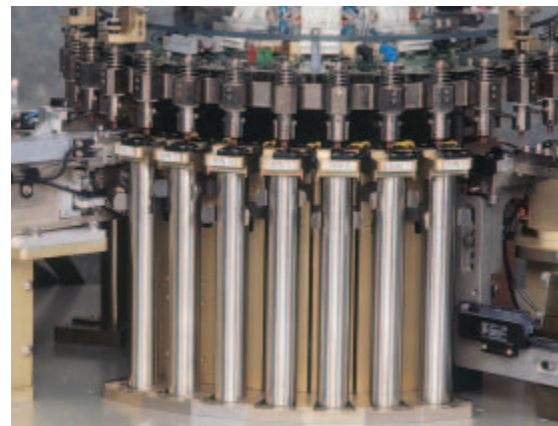
*Diagnostic and Graphical User Interface*

# Device Handling

- Bulk vibratory bowl feed input
- Rotational capability (pin 1 orientation)
- Contacting
  - Kelvin
  - Standard (Non-Kelvin)
  - Customer supplied
  - Third party
- Up to 8 programmable bulk output categories
- Up to 3 Tape & Reel outputs



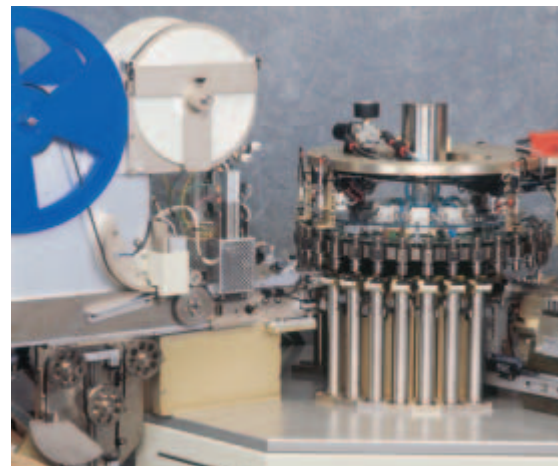
*Bowl Input*



*Bulk Output*

# Process Integration

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



*Tape & Reel Output*

# Specifications

## Applications

Package Types	SOT23, SOT89, SOT 223, SC59, SC70, SC75, MLF™, QFN, D-PAK, TO, Chip Scale and other packages
Test Sites	Up to 8

## Environmental

Temperature Range	Ambient
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## Contactors

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

Bowl Input	
Bulk Output	Up to 8 programmable categories including re-test
Tape & Reel Output	Up to 3
Throughput	Up to 24,000 uph @ Ø test time
Index Time	150 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, DSP & fiber optics

## Physical Dimensions

Weight	800 lbs. (370kg)
Footprint	29 inches (74cm) x 46 inches (117cm)
Height	56 inches (143cm)

## Utilities

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

Specifications subject to change without notice.



World Headquarters Aetrium Incorporated  
2350 Helen Street  
North St. Paul, MN 55109 USA  
651-770-2000  
Fax: 651-770-7975  
www.aetrium.com  
e-mail: info@aetrium.com