

5000 Series Flexitray[®] Reliability Test System

The Reltech Limited 5000 Series Flexitray[®] Reliability Test System offers a versatile and efficient approach to monitored Reliability and Burn-In Testing of all types of Semiconductor, Fibre Optic and Discrete Components.

The 5000 Series Flexitray[®] System is designed with 3 individual chamber modules, each module providing an Independently controlled temperature zone from -40° C to +175° C with an optional internal or external Refrigeration facility.

MIDAS[®] Microprocessor based automated Burn-In Driver and Software system provides DUT stimulus, monitoring and Test During Burn-In (TDBI) functions.

This powerful, state-of-the-art range of hardware and software automates the Burn-In and Reliability test processes. Multi-purpose Driver Cards are available to suit a wide range of Semiconductor Device types, including Mixed Signal Devices and Fibre Optic Components. All Driver Cards are easily programmed using the Windows NT Driven Software. Customer Specific Driver cards may also be fitted.

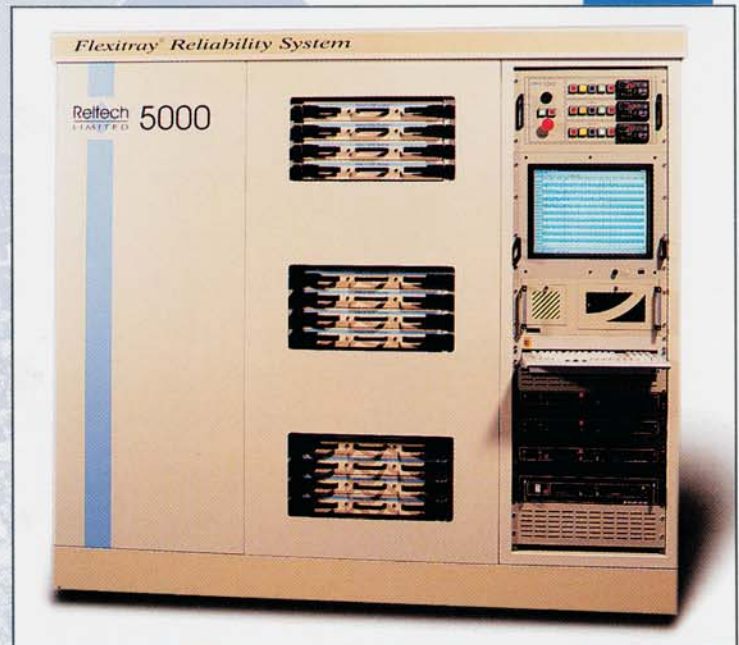
Test Chamber size options offer 4,8 or 16 Trays each with a DUT area up to 16.00" x 23.85". The unique Flexitray[®] DUT Carrier with a highly efficient lever system provides easy DUT Tray loading and unloading.

FLEXITRAY[®] SYSTEM CONFIGURATION OPTIONS

- 5340 System: 4 Burn-In Trays per Chamber (3 Chambers)
- 5280 System: 8 Burn-In Trays per Chamber (2 Chambers)
- 5116 System: 16 Burn-In Trays per Chamber (1 Chamber)

SYSTEM SPECIFICATIONS

- Temperature Range: +25° C to +175° C
-40° C to +175° C (Optional)
Operation to +200° C is optional
- Temperature Gradient: +/- 2° C at +150° C
+/- 3° C at +175° C
- Temperature Stability: +/- 0.2° C
- DUT Dissipation per 4 DUT Trays: 1000W
- Heating Rate: 5° C per minute
- Rapid Cool Down: +150° C to +25° C within 30 minutes



Reltech Limited
5000 Series System

Reltech LIMITED

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Meeting Your Demands for Reliability Assurance

BURN-IN BOARDS

- DUT Carrier Module accepts Burn-In Boards with dimensions up to 16.00" wide and 23.85" long
- Custom Interface Unit allows use of existing or new Burn-In Boards. Unit adapts to the Burn-In Board Connector used.
- Signal I/O: 220 ways
- DUT Current: 5 Power rails per DUT Carrier @ 20A per rail
- Temperature Range: -40° C to + 175° C (DUT Socket Dependent)
- Unique Flexitray® DUT Carrier/Tray

SYSTEM FEATURES

- EMC Rear Enclosure houses the DUT Driver Cards, Monitor Cards and Voltage Regulator Cards
- Each Chamber has a slotted rear wall - each fitted with a 220-way high performance, low inductance connector for delivery of signals at frequencies up to 40MHz and Amplitudes as low as 1V
- Removable Back Planes enable easy access for maintenance

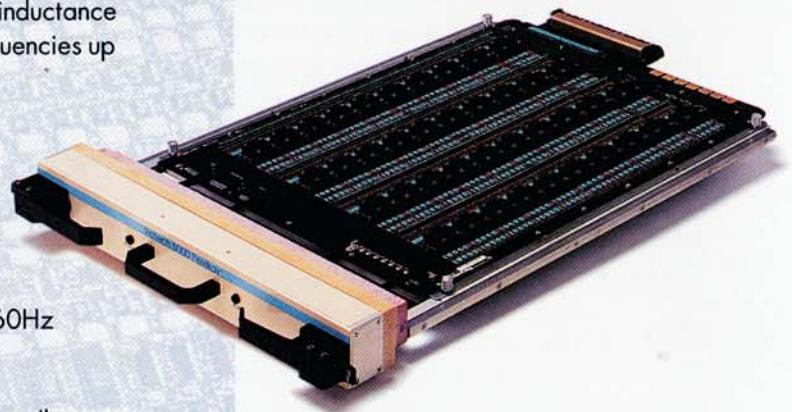
SYSTEM SERVICES

- Electrical Supply: Three Phase, 240-420V AC 50/60Hz
- Chilled Water at 10° C below ambient. (A Water Chiller may be supplied and fitted)
- Dry Nitrogen Purge for anti-DUT corrosion

SYSTEM DIMENSIONS

- Height: 2000 to 1950mm
- Width: 2008 to 2010mm
- Depth: 1373 to 1400mm

Specifications subject to change without notice. The information contained in this Data Sheet is a guide to the performance specification of the system or systems described and shall not be construed to represent any part of a contract or order.



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L I M I T E D

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