

MegaTrace AUTOMATED DC TEST SYSTEM



COMPLETE INTEGRATED DIGITAL CURVE TRACE SYSTEM,
DC PARAMETRIC ANALYZER AND LATCH-UP TEST SYSTEM.

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CURVE TRACING CAPABILITIES:

- ◆ Unpowered Curve Tracing (Continuity Testing)
- ◆ Powered Curve Tracing
- ◆ Supply Current Characterization (I_{DD} Testing)
- ◆ 2 and 3 V_{DD} Supply Testing on a 6 Bus System

OTHER MEASUREMENT AND TESTING CAPABILITIES:

- ◆ Latch-Up Testing
- ◆ Functional Preconditioning
- ◆ Any DC Measurement to $\pm 15V$ and $\pm 1A$

HARDWARE CAPABILITIES:

- ◆ Upgradeable Switch Matrix from 648 Pins to Over 2000 Pins
- ◆ 2, 4, and 6 Channel (Bus) Configurations Available
- ◆ Completely Self Contained Unit is Easily Moved on Built In Wheels
- ◆ Windows Software for Easy Upgrades
- ◆ Wide Variety of DUT Fixtures for Every Device Package
- ◆ Cable Fixtures Available to Interface to Probe Stations for EMMI or Wafer Testing

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Electrical and Physical Specifications

Source Measure Units	4 Precision Drives $\pm 15V$, $\pm 1A$, 8 Ranges 2 Standard Drives $\pm 15V$, $\pm 1A$, 1 Range 2 HV Drives $\pm 100V$, $\pm 100mA$, 5 Ranges (Half as many drives in a 2 bus configuration)
Switch Matrix Channels	2, 4 or 6 busses Relay and FET switches (Typically 2 busses are FET and the others are Relays)
Pin Count	648 to 2047 pins Upgradeable in 216 pin increments
Standard DUT board Interface	Standard 2160 pin (max) Elastomer connectors
Optional Interfaces	RTI OctoPogo Interface for 1024 systems 625 Pin ZIF socket (25x25) Opens/Shorts test board (Compatible with MultiTrace adapters)
Other Interfaces	Banana jacks interface to all drives, busses and measurement inputs. (Compatible with BNC adapters)
Custom Fixtures	Available for <i>Any</i> Packaged Device Cabled Interfaces for Probe Cards Cabled Interfaces for Daughter Boards
Included Software	Standard Trace: Curve Trace application Program Switch: Switch Matrix fixturing program Standard Trace: Curve trace application software Diagnostic: Self diagnostic software MTForms(basic): Curve Tracer setup program QATrace: Test Library program Microsoft Office: (Word, Excel, Power Point) Windows XP Pro
Optional Software	Data Trace Software Latch-Up option for MTForms
System Dimensions	57.5"(W) x 26"(D) x 36"(H) (Not including Monitor)
Weight	300 lbs Max (Actual weight varies with model)

RTI is the leading supplier of test systems, fixtures, and test sockets for failure analysis of semiconductor and hybrid modules. In addition to the MegaTrace test system, RTI can supply all required fixtures, cables, and test sockets required for most any application.

RTI supplies FA sockets with multiple lid options including low profile open top sockets for micro-probing and EMMI. The sockets can also be used for both top-side and back-side test. Heated sockets are also available for both top side and back side test.

RTI also provides standard and custom remote test fixtures to enable testing under a microscope, EMMI, and other applications requiring remote testing. In addition, RTI supplies universal BGA test fixtures and sockets reducing overall fixture costs.

Contact RTI to discuss a complete turn-key solution for your FA requirements.