

Automated Curve Tracing and DC Parametric Test Systems

Pin Counts:

- AutoTrace: 54, 108, 162, 216
- MultiTrace: 216, 324, 441, 625
- MegaTrace: 648 to over 2000



Capabilities:

- Opens & Shorts
- Unpowered Curve Trace
- Powered Curve Trace
- Single and Dual Supply Measurement
- Latch-up Testing
- I_{DDQ} Testing
- Functional Pre-conditioning
- IBIS I-V Collection & Formatting
- Kelvin Testing

Features	AutoTrace II	MultiTrace-54	MultiTrace	MegaTrace
Pin Count	54, 108, 162, 216	54	216 to 625	648 to 2160
Switch Matrix Channels (Busses)	4	6	2, 4, or 6	2, 4, 6, or 8
Number of Sources (SMUs)	4	8	4 or 8	8
Max number of Supplies for Idd test	1	3	3	5
Form Factor	Benchtop	Benchtop	Benchtop	Stand Alone
Basic Curve Tracing	Yes	Yes	Yes	Yes
Latch Up Testing	No	Yes	Yes	Yes
Vector Preconditioning	No	Yes	Yes	Yes
Fixture	DUT Boards	54 pin DIP	441 or 625 PGA	DUT Boards
Upgradeable	Up to 216 pins	Trade in	Yes	Yes

RTI's Test Systems:

- MultiTrace:** The Original Automatic Curve Tracer available for over 10 years. This is a desktop system capable of testing devices up to 625 pins. It is available in a variety of sizes to meet the needs of the widest range of customers.
- MultiTrace-54:** A fully capable 6 bus MultiTrace with only 54 pins. This system is designed to give manufacturers of small devices a lot of testing power in a competitively priced package. A 54-pin DIP fixture is built right into the tester.
- AutoTrace:** A Scaled down version of the MultiTrace with 4 switch matrix channels and from 54 to 216 pins. Having half as many sources but still capable of performing almost all the same applications, the AutoTrace is perfect for smaller organizations who just need basic curve tracing capabilities.
- MegaTrace:** This picks up where the MultiTrace left off. Starting at 648 pins and going all the way to 2160, the MegaTrace has enough pins to test just about any device. Now in a rolling, stand alone cart form, the tester is easy to move around and use with other instruments like emission microscopes, probe stations, and other remote testing requirements.