

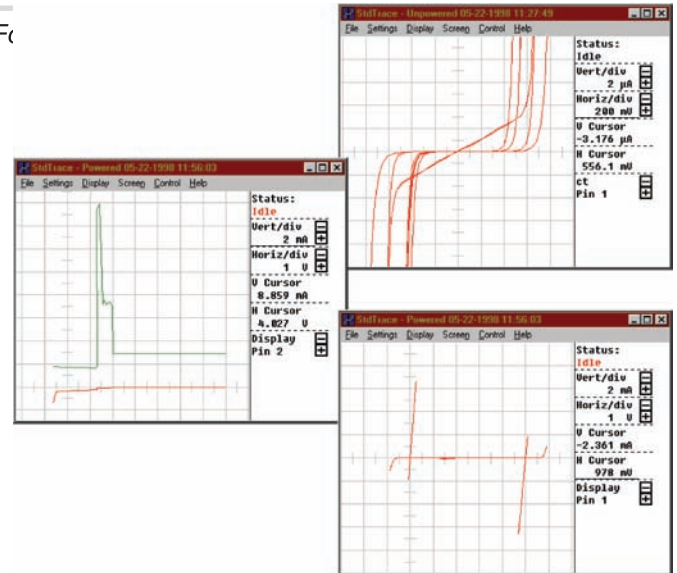
# MultiTrace APPLICATIONS

## AUTOMATIC CURVE TRACING AND DC PARAMETRIC TEST SYSTEMS

### BASIC CURVE TRACING APPLICATIONS:

*These Applications Come Standard as Part of the MTF*

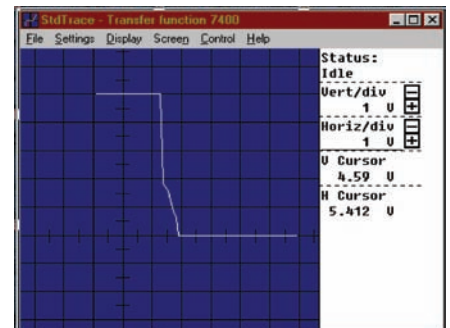
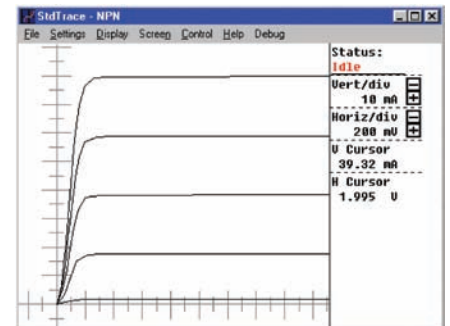
- ◆ **Unpowered Curve Tracing:**  
Detect Opens, Shorts and Gross Leakage.
- ◆ **Powered Curve Tracing:**  
Detect Leakage, and Supply Current Problems.  
Measure a Variety of Useful Parameters.
- ◆ **Supply Current Measurements:**  
Two Methods For Measuring the Supply Current. A 6-Bus System Can Measure Three Supplies Simultaneously.
- ◆ **Latch Up Testing: (option)**  
Characterize Latch-Up Sensitivities  
According to the JESD 78 Specification.

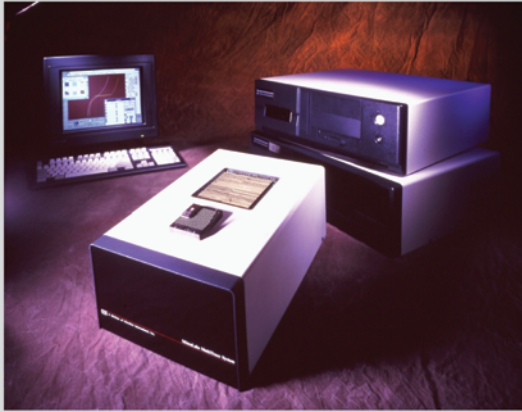


### BASIC CURVE TRACING APPLICATIONS:

*These Applications and More Can be Configured By the User*

- ◆ **Input-Output Transfer Functions:**  
Sweep the Voltage on an Input Pin and See the Output Pin Change States.
- ◆ **Transistor Family of Curves:**  
Characterize Transistors of Any Type
- ◆ **Liquid Crystal and Emission Microscopy:**  
Use With a Microscope to Localize the Site of the Damage.
- ◆ **IDDQ Testing:**  
Measure the Supply Current for Each State of the Device.
- ◆ **Functional Vectoring Capabilities:**  
Change Input Pin States According to an Input File Then Measure What You Need.  
Ability to Measure Output States Allows for Gross Functional Testing.
- ◆ **Kelvin 4-Wire Resistance Measurements:**  
Make Precision Resistance Measurements Using This Special Software Application to Control the Switch Matrix and Collect the Data for You.





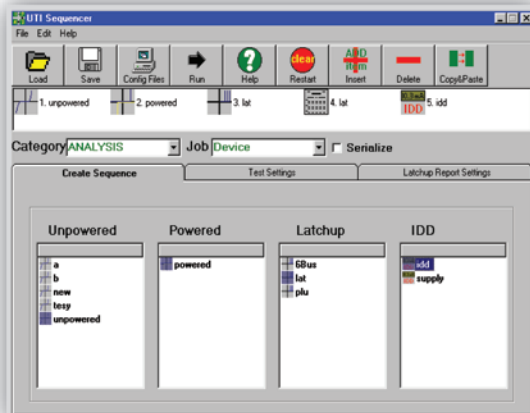
### CONVENIENCE FEATURES:

- ◆ Windows Software for a Familiar Feel
- ◆ Powerful Testing Tools Like a Test Sequencer With Auto Report Generation and Auto Comparison.
- ◆ Launch Saved Test Setups by Clicking on a Shortcut.
- ◆ Paste Graphs Directly Into Your Report Document.
- ◆ Extract Curve Trace Data Into a Spreadsheet for Further Analysis or Advanced Graphing Capabilities of Excel.
- ◆ Flexible Fixturing Options Give You Many Ways to Connect to Your Device.
- ◆ Straightforward Upgrade Path Ensures That Your Tester Will Never Become Obsolete.



### EXTENSIVE DOCUMENTATION:

- ◆ General Tutorials for Beginners to Curve Tracing.
- ◆ Printed Manuals for All Included Applications.
- ◆ Library of All Docs and Software Updates Online at the Website and on Your CDROM
- ◆ Application Notes to Help You Understand the Theory and Details
- ◆ All Aspects of Fixturing, Operation and Interpretation of Results Are Discussed.
- ◆ Lots of Screen Clips Help You Find Your Place.



### SOFTWARE PRODUCTIVITY TOOLS:

- ◆ Test Sequencer and File Viewing Built Into MTForms 4.0.
- ◆ QATrace Allows You to Make a Library of Predefined Tests.
- ◆ Fixturing Applications Make Pin Mapping Easy.
- ◆ Save Test Setups as Shortcut Icons and Launch From Any Folder or Toolbar.
- ◆ Automatic Latch Up Report Generator.
- ◆ Extract Data Into Spreadsheets Using DataTrace.