



FineTest

www.finetest.com

Hi-Pot Test Systems



Functional ATE & Power Supply Testers



Military and Aerospace Test Systems

Functional ATE Systems

Power Supply Test Systems

Hi-Pot Test Systems

ESS / Burn-In / Vibration Monitoring Systems

Manual Test Systems

Test Fixtures and ITAs

Box Builds and Sub-Assemblies

Switching and I/O Cards

Custom Cabinets and Accessories



FineTest 1 Industry Drive, Palm Coast, FL 32137 Tel: (386) 569-6189 Fax: (386) 446-0463 email: sales@finetest.com

*FineTest Commercial Test Systems
are used by many diverse manufacturers
and end users including the following:*

TDK/Lambda

S.A.F.T.

Jabil Circuits

Medtronics

ABB CEAG

Resonant Power

EOS Corporation

Nortel Networks

On-Line Power

Racal Datacom

P-Com

Alpha Technologies

Cherokee International

GE Medical Systems

American Radionics

Silicon Graphics

IBM

Avex

Magnetek

Tellabs

Xerox

Xantrex

Marconi

Alacrity

Compaq

CSS Power

GoldStar

Rockwell Automation

Sun Microsystems

Ascom Energy Systems

US Technologies

Emerson Network Power

AT&T Power Systems



HIPOT Test Systems

*FineTest HIPOT and Integrated HIPOT Test Systems
are used for many diverse applications
including the following:*

Automation Controllers and Modules

Medical Patient Monitors

Medical CT Scanners

Commercial and Military Power Supplies



Automated HIPOT Testers for Automation Controllers *Brazil/Mexico*

HIPOT TEST SYSTEMS



Front view of duplicate Hipot Testers #2-5

Application: Automated Hipot for Automation Control Cards
High Volume Production Test

Features: 2 Wire 64x1High Voltage Multiplexer
Ergonomic Hydraulic Table Top goes up and down
Touchscreen Monitor and Keyboard on Adjustable Height Arms
Microsoft C# Platform
Multiple Systems and Test Fixtures Built to Print



Open View Dual 64x1 HV Mux



Close-Up of Dual 8x1 HV Mux Card



Ergonomic Hydraulic Table Top adjusts Up/Down



Close-Up of Table Up/Down Switch

HIPOT TEST SYSTEMS

Test Fixtures for Automated HIPOT Testers

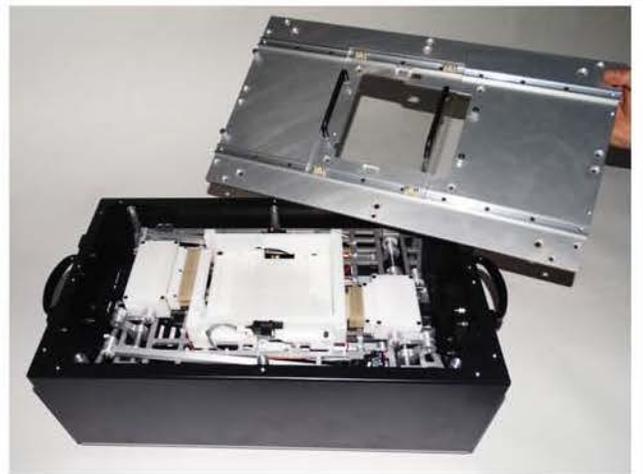
HIPO T TEST SYSTEMS



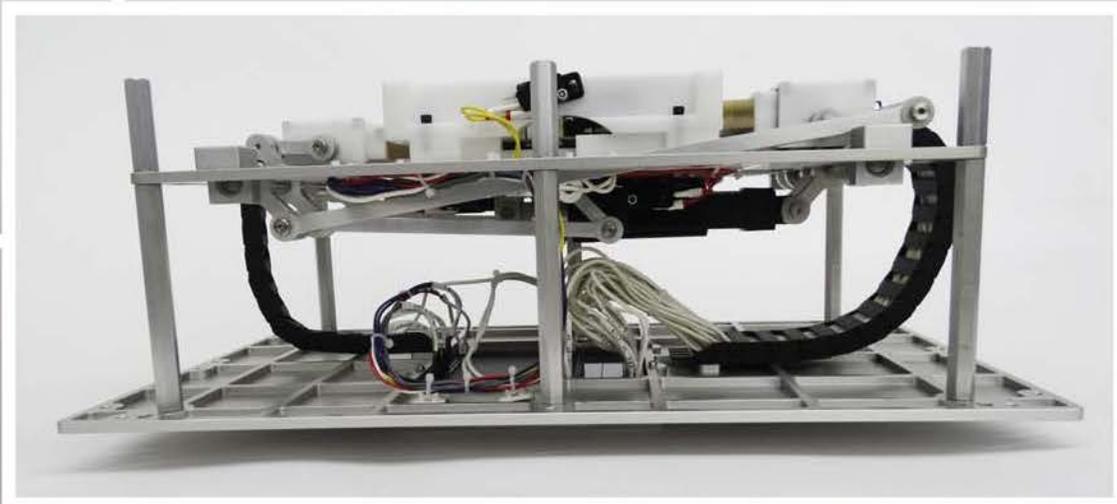
Duplicate Hipot Auto-Connect Fixtures



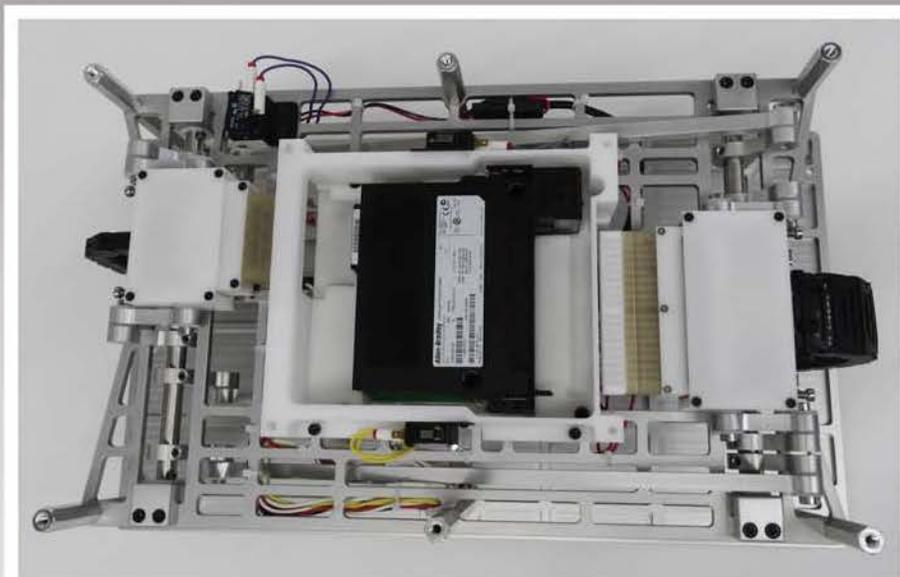
Sliding Safety Door on top of Fixture



Fixture with Top Removed



Internal Side View showing Linear Actuator to make connection to UUT



Top View with a UUT Installed



Close-Up of Pogo-Pin Connector



*UUT Nest showing
Moving Pogo-Pin
Connectors*

Test Fixtures for Automated HIPOT Testers

HIPOT TEST SYSTEMS



Programmable Logic Card Hipot Fixture



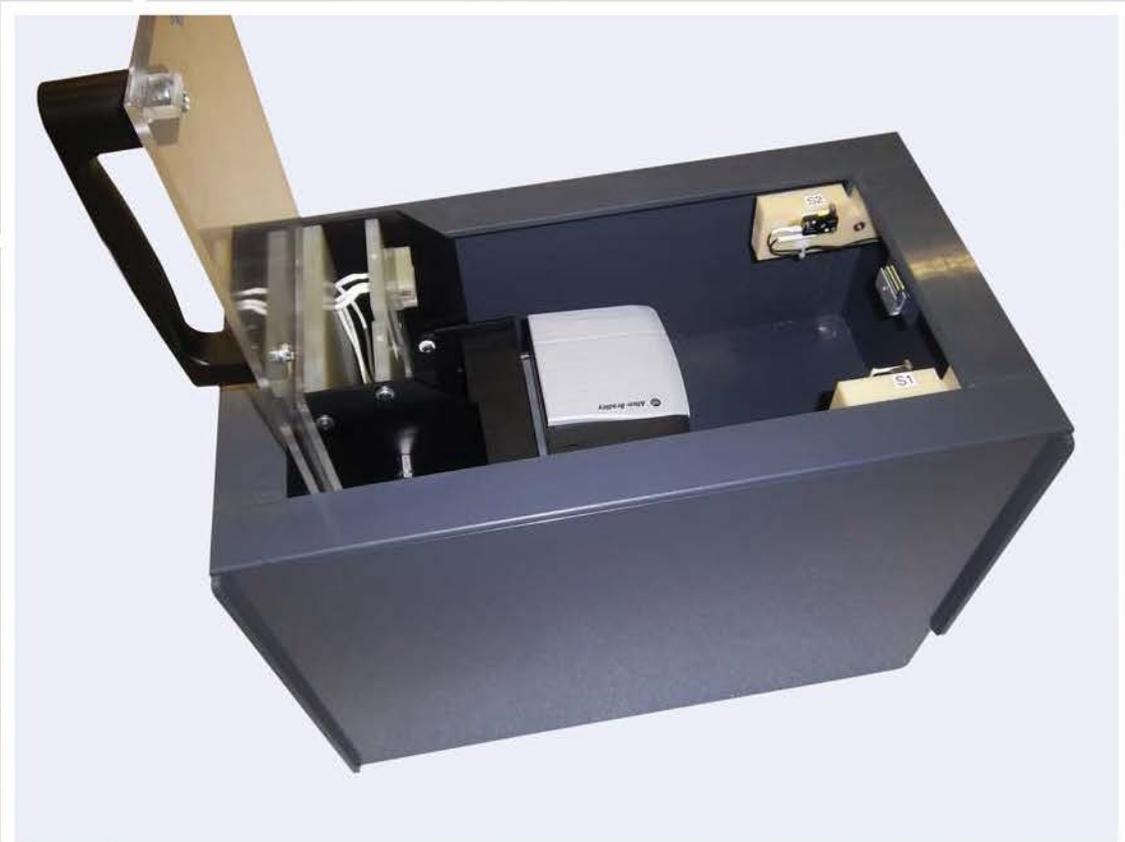
Side View with Safety Cover Open



*Inside View showing
end product mounting rack
with UUTs installed*



Fixture Installed on Tester



Hipot Test Fixture with a UUT



Fixture installed in the Tester



*Mechanical Mechanism
with Pogo-Pin Connections
to UUT*

Functional ATE with Integrated HIPOT for Controllers

HIPO T TEST SYSTEMS



Front view of Tester with Integrated HIPOT



Close-Up of HIPOT Unit



Rear view of Hipot with built-In 8x1 HV Mux

Application: Large System Programmable Controllers
High Volume Production Testing

Features: Integrated HIPOT with
Built-In 8x1 High Voltage Mux



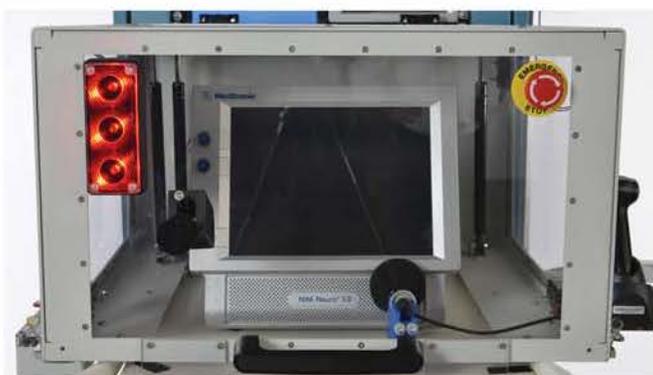
Functional ATE with Integrated HIPOT



Close-Up of HIPOT unit



HIPOT TEST SYSTEMS



Safety Cover with Flashing Lamp

Front view of Tester with HIPOT and Safety Mat

Application: Medical Device Production Testing

Features:

- Fluke Biotek Medical Device Tests
- Full Remote Control of UUT Windows and Mouse
- Integrated AC and DC Hipot with Flashing Lamp, HV Mux and Pressure Activated Safety Mat
- FineSoft on NI LabVIEW Platform

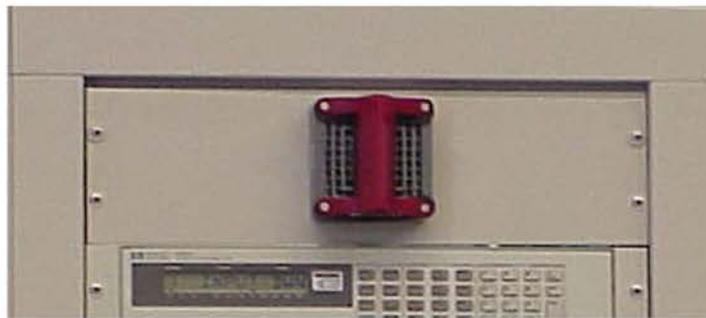
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Functional/Power ATE with Integrated HIPOT

HIPO T TEST SYSTEMS



Front view of Tester with HIPOT



Close-Up of Flashing Safety Lamp



Close-Up of HIPOT unit

Application: Medical AC/DC and DC/DC Power Supplies for CT Scanner
High Volume Production Test

Features: Integrated HIPOT Unit
Safety Lamp flashes when HIPOT is in use
Safety Mat disables HIPOT when stepped on

Functional/Power ATE with Integrated HIPOT



*Close-Up of HIPOT unit
and Flashing Safety Lamp*



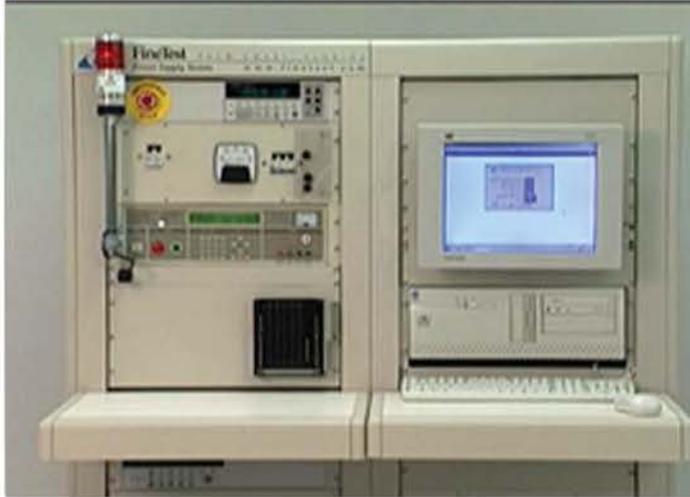
Front view of Tester with HIPOT

Application: Medical AC/DC and DC/DC Power Supplies for Patient Monitor
High Volume Production Test

Features: Integrated HIPOT Unit
Safety Lamp flashes when HIPOT is in use

Power Supply Tester with Integrated HIPOT

HIPOT TEST SYSTEMS



Front view of Tester with HIPOT



Full view of Tester and Safety Mat



Close-Up of Flashing Safety Lamp



Close-Up of Safety Mat

Application: AC/DC and DC/DC Power Supplies
High Volume Production Test

Features: Integrated HIPOT Unit
Safety Lamp flashes when HIPOT is in use
Safety Mat disables HIPOT when stepped on

Power Supply Tester with Integrated HIPOT



Close-Up of HIPOT unit



Close-Up FineTest HV Relay Unit for Hipot



*Dual Insertion Test Fixture:
One for Hipot and one for Functional Test*



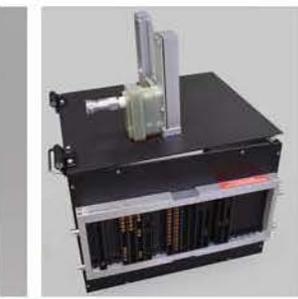
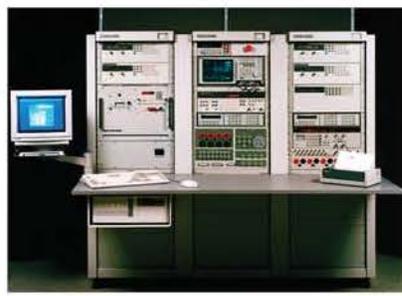
Front view of Tester with HIPOT

HIPOT TEST SYSTEMS

Application: Military Power Supplies
Production Test

Features: FineSoft on NI LabVIEW
& NI TestStand platforms
Integrated Hi-Pot Testing

 **FineTest**
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FineTest Production Floor

FineTest Building at 1 Industry Drive



FineTest

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