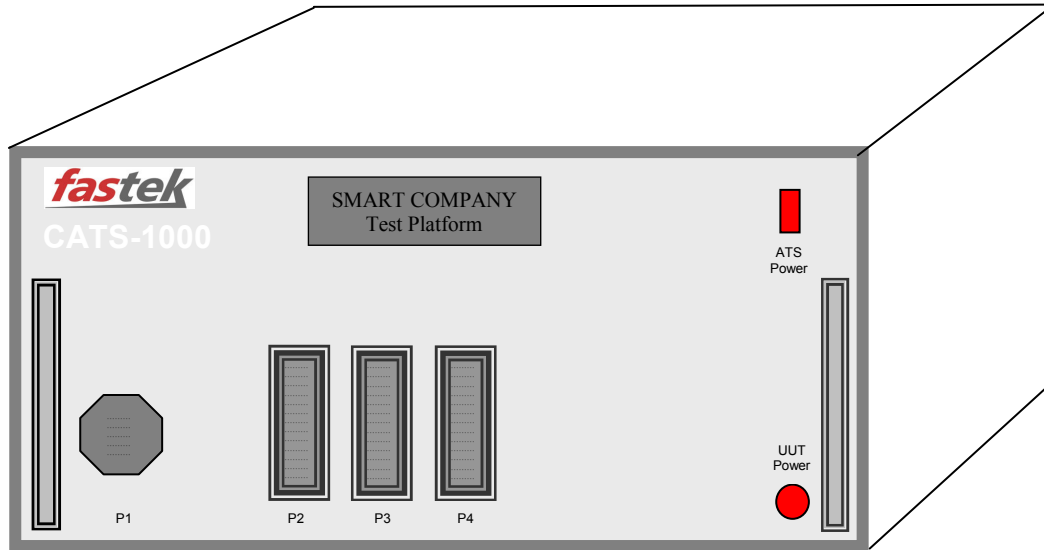




System Engineering, Testing,  
Development Services

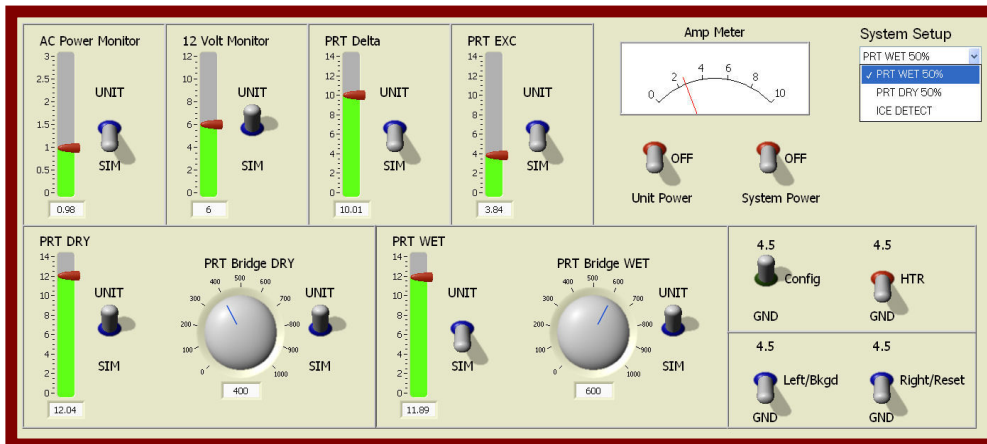
# CATS-1000 Configurable Automated Test Station



**Fastek International Ltd.** offers an automated Hardware/Software solution to replace manual hardware test fixtures for:

- Developmental Testing
- Hardware/Software Validation & Verification Testing
- Production Testing
- Customizable Life Testing Platforms for Data Collection

The custom “Soft Front Panel” controls all functions of the station and alleviates the operator from manually adjusting individual LRU switches, potentiometers, and push buttons.



The system is completely reconfigurable for use with different projects and the operator still has a manual soft panel to control the hardware or program fully automated testing runs.

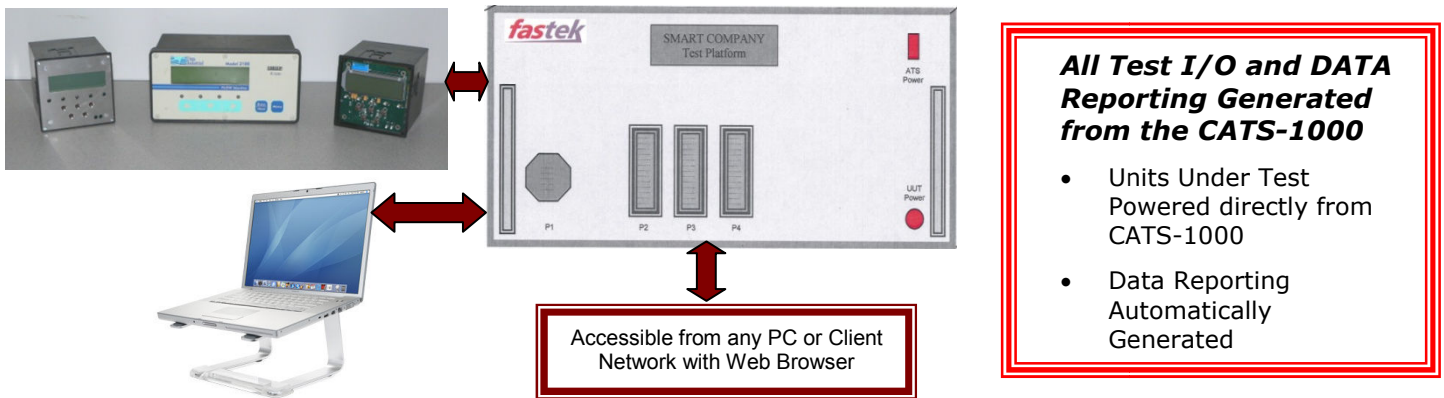
**Customized Soft Panel Configurations**  
NI LabVIEW and TestStand Soft Panel custom configurations to duplicate any manual test configuration

At the core of the **Fastek** CATS-1000 configurable system architecture is the National Instruments (NI) CompactRIO (cRIO) or cDAQ and LabVIEW.

The cRIO system combines:

- open embedded architecture
- small size
- extreme ruggedness
- CompactRIO is powered by reconfigurable I/O (RIO) FPGA technology

### Hardware Savings with the **Fastek** CATS-1000 Automated Test Station



The hardware and software is suitable for and adaptable to:

- Software Verification and Validation Testing
- Developmental Testing
- Production Testing
- Functional and Environmental Testing
- Soft-Panel Control of Sensor Voltages
- Model-based Testing (Programmatic Control of the Sensor Voltages)

#### **All hardware components are:**

- COTS replaceable, worldwide
- Commercially maintainable
- Commercial calibration services available, worldwide

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Contact **Fastek** for complete National Instruments TestStand/LabVIEW™ Support Services. Our staff of NI Certified Instructors, Developers and Architects can provide products ranging from test modules to whole test systems, based on NI's LabVIEW™, LabWindow/CVI™ and/or TestStand™ products.

**Contact Fastek for customized development of all your CATS-1000 Applications.**

