

Fastek International

CATS-1000/2000

Configurable Automated Test System for Avionics and Industrial Applications



CATS - Configure and GO

Why CATS

Fastek's CATS Test Platform can save you man-months of training and development time in:

- Test System Architecture
- Test System Training and Coding
- Duplication of Test Development from:
 - R&D to
 - Production to
 - Reliability, Qual and Certification Testing to
 - Field Deployment



What is CATS

CATS stands for Fastek's Configurable Automated Test System

This platform is centered on National Instruments (NI) hardware, supplemented as needed by automated modules and controlled by Fastek's pre-built COTS software modules in a configurable matrix that will allow test developers to start configuring tests immediately. This system is delivered to you "READY TO TEST", and allows for immediate results without months of training and development. Fastek can provide turnkey test support, custom test development, on-site or off-site customer service and a full range of pre-built testing options.

At the core is a **Common Software Architecture** that is transferable across all CATS platforms and cDaq-cRio or PXI platforms and compatible with standard test equipment.

- National Instruments (NI)TM COTS Hardware and Software based platform
- NI LabVIEWTM Based Graphical User Interface
- NI Based TestStand Sequencing for Automated Testing
- Compatible with NI and Third-Party Simulation and Data Collection and Post-Processing Software Applications
- Extended Warranty
- Delivery in 60-90 Days

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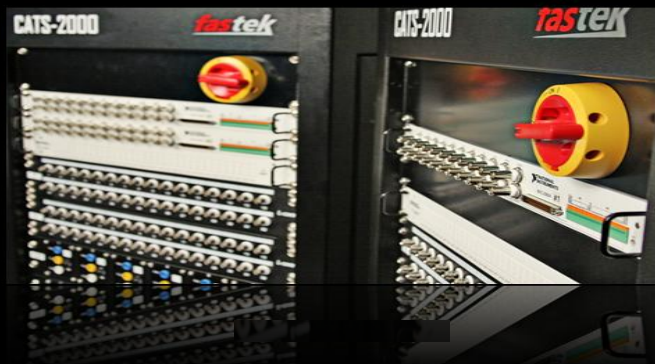
How is **CATS** the Best for **YOUR** Application

Common Test Equipment between Engineering, Production and Field Testing for Traceable Data Collection and Analysis

- Significant savings can be realized in capital expenditures and nonrecurring test software and development expenses

The CATS solution provides **Common Software Architecture** that is transferable across all CATS platforms and cDAQ-cRIO or PXI platforms and compatible with standard test equipment.

- Pre-Built Configurable Test Modules – Ready to Test
- Saves Development and Training Time
- Ready to Test Applications
- Use **CATS** Now – **Configure and GO** !



Fastek Customer Support Includes:

- Training & Users Guides
- Users Groups
- Monthly Newsletter
- Help Desk Support

CATS is a single software architecture that can be used across the entire Product Life-Cycle:

- Research and Development
- Functional Test
- Hardware/Software Verification and Validation
- Environmental Testing
- Field Testing
- Return to Service Testing
- Reliability and Life Cycle Testing

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CURRENT CATS Software Modules

Standard Main GUI Interface (Configurable Baseline)

Watlow 942 Temperature Controller
Parker ACR-9000 Motion Controller
Laversab Airdata System Interface
Short and Long Duration Data Logger
Remote Data Transmission C/C
VeriStand Simulation Interface
Long Duration Data Recording
TestStand Report Generator
SE/DIFF Analog Switch Setup
ARINC Communications C/C
ARINC-1553 I/O Controller
ARINC-653 I/O Controller
Digital Multi-meter C/C
Spectrum Analyzer C/C
Dual Couple Axes C/C
C/C = Configure and Control

Watlow F4S Temperature Controller
Wireless Network Remote Controller
CAN Bus C/C Waveform Generation
RF Digital Attenuator Controller
RS-232 Custom Data Processing
ARINC Custom Data Processing
Camera Image Collection C/C
3 Phase Current C/C/Control
RS-232 Communications C/C
Relay/Switch Module C/C
ARINC-429 I/O Controller
ARINC-604 Data Loader
Single Axis Motion C/C
Synchro/Resolver C/C
Dual-Axis Motion C/C

Image Processing C/C
3 Phase Voltage C/C
Test Sequence C/C
Thermocouple C/C
Counter/Timer C/C
Digital Output C/C
3-Axis Motion C/C
Analog Input C/C
Strain Gauge C/C
Oscilloscope C/C
Photometer C/C
Digital Input C/C
RS-422 I/O C/C
Waveform C/C
FSC-1000 C/C

