

WestTest-3000/BTTS Bench Top Test Set

In This Business Confidence Matters

**Intuitive Software Development Suite
Designed by Test Engineers for Test Engineers featuring:**

- TRD Generation
- Program Emulation
- Quality Report
- TPS Generation
- Flowchart Output
- ATLAS or CVI

Extraordinary Test Executive:

- Hardware Independent Middleware Driver Architecture
- Multiple TPS Development Languages
 - ATLAS, LabVIEW™, LabWindows™, C++
- Extensive Test Program Debug Tool
 - SetVariable & Measurement Monitoring
 - Instrument Soft Front Panel Control
 - Force GO, Force FAIL, Single Step
 - Signal Path Mapping (UUT to Instrument)
- Exclusive TPS Quality Tool Set

Extensively Customizable:

- PXI Based
- Test Requirements Driven
- Core Capability Consistency
- Software Standards – ATML, IEEE
- Customer Standards Adaptable
- Readily Extendable
- Compatibility with DoD/DoE Sanctioned Standards

Standard Applications Include:

- R&D Lab
- Production Facility
- Commercial MRO
- Military Depot



2980 North Church Street
Layton, Utah 84040
P 801-498-6600
westest.com
ISO 9001:2015 and AS9100D

Attila Shevket
C 617.669.1713
attilas@westest.com

WESTEST
ELEVATED CONFIDENCE

WestTest-3000/BTTS Bench Top Test Set

Adaptable • Flexible • Scalable

WestTest solutions are integrated into leading Aerospace and Defense Industry Research Labs, OEMs, Operators and MROs worldwide

Computer System

NI PXIe-8820 Dual-Core Controller

- 2.2 GHz dual-core Intel Celeron 1020E processor
- Up to 1 GB/s system bandwidth and 250 MB/s slot bandwidth (four x1 PCI Express links)
- 2 GB 1333 MHz DDR3L RAM standard, 8 GB maximum
- Additional OS options available in the PXI Advisor
- 1 Gigabit Ethernet, 4 Hi-Speed USB, serial, and other I/O
- Windows OS and drivers already installed; hard-drive-based recovery
- Windows 7 Pro SP1 32 bit OEM
- WestTest Guidance Controller Test Executive System
- WestTest ATLAS Compiler
- Software Development Environment

Adaptable Options

Software

- NI LabWindows CVI™
- NI LabVIEW™
- NI TestStand™

Hardware

- Completely Extensible
- Based on Customer Requirements

Core Instruments

Measurement Subsystem

- ZT4210 PXI O-Scope – 8 bit, 300 Mhz, 1 GS/s sample, 256 Msamples
- NI PXI-4065 DMM – 6.5 digit, +-300 VDC/VRMS, 3k samples/sec
- NI PXI-6259 DAQ – 16 bit, 1 Ms/s per chan, 32 analog inputs, 4 16 bit outputs
- NI PXIe-1435 Frame Grabber – image acquisition device

UUT Power Subsystem

- TDK Lambda DC System – 300 W, 0-36 V, 0-6 A, constant current/voltage expandable to required number of channels (qty. 3)

Stimulus Subsystem

- NI PXI-5406 Arb Function Gen – 40 Mhz (sine,square), 5Mhz (ramp,tri), phase-cont freq hopping, 400 ms sample rate, .355 uHz freq resolution

Digital Subsystem

- NI PXIe-6943 Dynamic Dig – 32 Chan per card, -2v to 7v, 50Mhz
- NI PXI-6509 Static Dig – 96 bidir pins, 5 V TTL/CMOS, 24mA sink/source

Bus Testing

- AIT MIL-STD-1553 PXI – 1,2 or 4 dual redundant channels with full error injection and detection, BC and RT(31), PXI trig I/O

FPGA

- Geotest GX3601 PXI FPGA – User configurable on-board Altera Cyclone 3, 80 chan ttl, logic (ttl,lvttl)

Switching Subsystem

- Virginia Panel Receiver, G2-2 Module (qty. 1 to 3)
- NI PXI-2522 53 Channel SPDT Switch (qty. 3)
- NI PXI-2530B 64x1 Multiplexer
- NI PXI-2531 Dual 8x32 Matrix

Universal System Input Power

- 115 VRMS + 10%, 47 to 63 HZ

WESTEST
ELEVATED CONFIDENCE