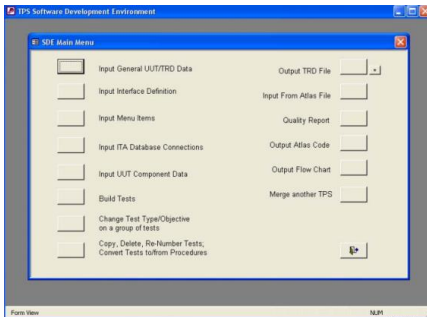


# Westest MPSTS Modular Power Supply Test Set

**Adaptable • Flexible • Scalable • Affordable**

Mature Software Development Suite, featuring:



TRD Generation  
TPS Generation  
Program Emulation  
Flowchart Output  
Quality Report

## 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

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



**Applicable to Factory  
or Depot Level Testing**

**WESTEST**  
Engineering Corporation

ISO 9001:2008  
AS 9100C  
registered 

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# WesTest MPSTS Series Specifications

## Computer System

### PF Micro Computer

- GA-P43T-ES3G ATX DDR3 MB GLAN/AUDIO/ 5 PCI (Intel P43 chipset) LGA 775
- INTEL D/C E5800 3.2Ghz CPU 800Mhz/2MB CACHE/LGA 775
- 2GB DDR3 1333Mhz RAM
- MSI GFORCE 8400GS PCIE VGA 256MB/VGA/DVI
- SAMNG 22X DUAL DVD+/-RW SATA & DOUBLE LAYER DVD+R 12 BLK
- ST3500418AS 500GB SATA2 HD 7200RPM/16MB CACHE
- WINDOWS 7 PROFNL 32-BIT
- BLK \*3U RACKMNT CASE WO P/S F. MOUNT ATX P/S REQ. 20"
- 3 YEAR SYSTEM WARRANTY PARTS & LABOR RETURN TO DEPOT
- ICWUSA LCD & Keyboard Mount

## Core Instruments

### Measurement Subsystem

Keysight DSOX3024A - Oscilloscope: 200 MHz, 4 channels

### UUT Power Subsystem

Keysight N6701A – Power System Mainframe 600W  
 Keysight N6744B – DC Power Module, 35V, 3A, 100W  
 Keysight N8742A – DC Power Supply 0-600V, 0-5.5A, 3.3kW

### Stimulus Subsystem

Keysight N3300A/R-51B-001-5Z – Electronic load 1-6 mainframe  
 Keysight N3304A-UJ1/R-51B-001-5Z – 300W Electronic Load Module  
 Keysight N3306A-UJ1 – 600W Electronic Load Module  
 Keysight 33220A – Function/Arbitrary Waveform Generator, 20MHz

### Data Acquisition Subsystem

Keysight 34970A – Data Acquisition / Data Logger Switch Unit  
 Keysight 34901A – 20 Ch Multiplexer  
 Keysight 34903A – 20 Ch Actuator  
 Keysight 34907A – Multifunction Module

### Universal System Input Power – 120V, 20A

Pulizzi PC125-A Power Distribution Unit



## Adaptable Options

### Software

- NI LabWindows CVI
- NI LabView
- NI TestStand

### Hardware

- Completely Extensible
- Based on Customer Requirements

## WestTest Software Environment





**ENGINEERING CORP**  
 ISO 9001:2008 CERTIFIED

**BRUCE PETTY**  
 BUSINESS DEVELOPMENT MANAGER

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