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## What Is TestStand?

TestStand is test management software that helps you develop, debug, and deploy test systems and provides full visibility into testing process and results.

## Explore TestStand Features

TestStand is application software that helps engineers quickly develop robust automated test and validation systems. You can extend the functionality of your system by developing test sequences in TestStand that integrate code modules written in any programming language. You can use built-in functionality to profile and optimize speed and parallelism before deploying test systems to production. TestStand provides extensible plug-ins for reporting, database logging, and connectivity to other systems, meeting the needs of any environment. With TestStand, you can confidently deploy test systems with increased throughput that run at the speed of production. TestStand users with an active Standard Service Program (SSP) membership are eligible to upgrade to TestStand 2020.

## Customize and Automate Your Tests

Use ready-to-run test software to automate the execution of code modules written in any programming language to meet every test requirement.

## Generate Reports to Make Decisions

Quickly report your test results with native report generation and database connectivity.

## Deploy and Debug Test Systems

Efficiently replicate and maintain test systems with the TestStand Deployment Utility and debugging tools.

## What Can You Do With TestStand?

TestStand is a ready-to-run test management software that is designed to help you quickly develop automated production test and validation systems. Learn more about how to develop, debug, and deploy your test systems below.

## Develop Automated Production Test Systems

Develop production test systems with native tools to configure parallel testing, adapters to call test code written in other programming languages, and automatic report generation.

## Develop Automated Validation Test Systems

Simplify the automation of validation test systems with interactive workflows for hardware configuration, built-in debugging tools, and automatic report generation.

## Deploy and Debug Test Systems

Deploy your test sequences, code modules, and related files to your production machines. Reduce downtime on deployed systems by using debugging tools in TestStand to troubleshoot and fix any errors.

## Software Benefits

### Standard Service Program

Every purchase includes a renewable, one-year membership to the Standard Service Program (SSP) for software, which offers the following:

- Live phone and email technical support from local, degreed engineers
- Automatic version updates to TestStand
- 24/7 access to selected online training and virtual demonstrations
- Access to historical versions in case you need to share code with your team

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## How to Buy TestStand

### Buy TestStand for You

A single-seat license of TestStand can be associated with an individual or to a specific computer ID.

### Buy TestStand for Your Team

The Volume License Program is designed for teams that need five or more licenses. It reduces the total cost of ownership by providing streamlined asset management to your organization.

### Buy Automated Test Suite

You can purchase TestStand as part of the Automated Test Suite, which also includes LabVIEW Professional, LabWindows/CVI Full, Measurement Studio Enterprise, Switch Executive, Requirements Gateway, and related NI device drivers.

## Related Products

### Requirements Gateway

Requirements Gateway is application software that links development and verification documents with formal requirements in documents and databases.

### Switch Executive

Switch Executive is switch management and routing application software that accelerates development and simplifies the maintenance of switch systems.

### TestStand ATML Toolkit

The TestStand ATML Toolkit translates ATML Test Description documents into TestStand sequences and code modules written in LabVIEW or LabWindows/CVI.

### TestStand Semiconductor Module

The TestStand Semiconductor Module extends the TestStand environment to help you develop, debug, deploy, and maintain semiconductor test systems.

## Select Your TestStand

	TestStand Development System	TestStand Base Deployment Engine	TestStand Debug Deployment Environment
Key differentiators	<ul style="list-style-type: none"><li>Develop and debug test sequences using an interactive development environment</li><li>Call test code written in any programming language</li><li>Create deployable test system installers</li></ul>	<ul style="list-style-type: none"><li>Deploy TestStand to validation or production test systems</li><li>Execute test sequences and perform simple debugging</li><li>Upgrade deployed systems to the latest version of TestStand for free</li></ul>	<ul style="list-style-type: none"><li>Deploy TestStand to validation or production test systems</li><li>Use advanced debugging tools to step into test code for immediate troubleshooting</li><li>Debug code written in LabVIEW, LabWindows™/CVI, or Measurement Studio</li></ul>
Included TestStand licenses	TestStand Development System	TestStand Base Deployment Engine	TestStand Debug Deployment Environment

	TestStand Development System	TestStand Base Deployment Engine	TestStand Debug Deployment Environment
<b>Standard Service Program</b>			
One year of technical support	✓	-	✓
Ability to upgrade deployed systems to the latest version of TestStand for free	-	✓	-
One year of software upgrades	✓	-	✓
Access to 24/7 online training courses	✓	-	✓
<b>TestStand Sequence Editor</b>			
Integrated development environment	✓	-	-
Example user interfaces	✓	-	-
Integrated find and replace	✓	-	-
Built-in type management tool	✓	-	-
Multiple-step editing	✓	-	-
Built-in user management tool	✓	-	-
TestStand documentation	✓	-	-
Analyzer sequences for errors	-	-	-
<b>Develop Test Sequences</b>			
Create/edit/configure sequences	✓	-	-
Insert/edit/configure steps	✓	-	-
Sequence diff/merge tool	✓	-	-
<b>Execute Test Sequences</b>			
Run sequences	✓	✓	✓
Run selected steps interactively	✓	✓	✓
Set breakpoints	✓	✓	✓
Report generation	✓	✓	✓
Database logging	✓	✓	✓
Enforce user privileges	✓	✓	✓
<b>Debug Test Applications</b>			
Debug sequences using TestStand Sequence Editor	✓	-	✓
Debug LabVIEW code modules <sup>1</sup>	✓	-	✓
Debug LabWindows/CVI code modules <sup>1</sup>	✓	-	✓
Debug sequences <sup>1</sup>	✓	-	✓
Debug steps <sup>1</sup>	✓	-	✓

<sup>1</sup>Debugging steps and sequences involves making minor changes to these components to fix issues in the application. Making changes to steps and sequences that add or improve functionality is considered development and requires a development license.

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### Part Number Table

Description	Part Number
TestStand Base Deployment Engine License	777774-35
TestStand Base Deployment Engine License	777774-3505
TestStand Development System, Windows	777777-35
TestStand Dev. System, Windows, With Media	777777-35WM
TestStand Debug Deployment Env License	779851-35