NI TestStand

Now with a test-optimized AI, Nigel™ AI Advisor

Test Executive for Validation & Production

It's an off-the-shelf test executive with the capabilities needed to rapidly develop, deploy, and manage automated test systems:

- TestStand can sequence tests written in various programming languages

- TestStand helps optimize instrument use and test time with built-in parallel execution

- TestStand includes operator interfaces and deployment tools for scaling test

- TestStand automatically generates reports and can store results to local or network databases.

An off-the-shelf test executive improves developer efficiencies and lowers the total cost of test.

75% Development Time Saved

67% Reduction in Maintenance

Build, Customize, and Deploy Test Systems With TestStand

Develop Test Systems Faster

- **Drag-and-Drop Development**—Sequence, configure, and execute code modules interactively with the TestStand Sequence Editor.

- **Code Adapters**—Take advantage of investment in existing code by integrating LabVIEW, C#, C++, Microsoft Visual Basic .NET, and more. Use multiple languages in the same sequence.

- **Nigel AI Advisor**—Get expert help while developing in TestStand, including onboarding, configuring settings, and automation.

Increase Test Throughput

- **Parallel Test**—Scale from single-unit test to multi-unit parallel tests. Save hundreds of development hours with this built-in architecture.

- **Autoschedule Hardware Resources**—Maximize utilization by sharing hardware among multiple execution threads.

- **Execution Profiler**—Understand device use and discover potential bottlenecks by monitoring test execution in real-time.

Simplify Deployment and Maintenance

- **Customizable User Interfaces**—Enhance operator experience with pre-built and customizable user interfaces.

- **TestStand Deployment Utility**—Simply package all required DLLs, source code, drivers, and configuration information into a single installer.

- **Deployment Patching**—Reduce the difficulty of maintaining deployed test stations by building small deployment patches that can be quickly downloaded and installed on target machines.

- **By NI**—Save on maintenance as TestStand is regularly updated with new features and tested for software compatibility. Documentation and training help onboard new users, as well.

Publish Test Results

- **Built-In Reporting**—Log critical results to several industry-standard report formats, such as PDF, ATML, XML, HTML, and ASCII.

- **Enterprise Connectivity**—Log test results using standard database connectivity or optimized plug-ins for data management systems, such as SystemLink.

Select Your TestStand License

TestStand Development System
- Required for engineers and architects developing test systems.
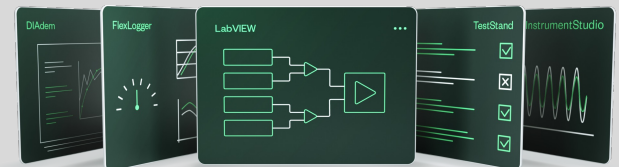- Part Number: 788372-35 [Subscription]
  777777-35 [Perpetual]

TestStand Base Deployment Engine
- Required for deploying sequences to additional test systems.
- Part Number: 777774-35 [Perpetual]

TestStand Debug Deployment Environment
- Recommended for engineers who deploy, debug, and fix issues in their deployed systems.
- Part Number: 779851-35 [Perpetual]

A DEVELOPMENT LICENSE IS REQUIRED TO BUILD NEW SEQUENCES AND A DEPLOYMENT TYPE LICENSE IS REQUIRED FOR EACH DEPLOYED SYSTEM.

Get TestStand and LabVIEW Plus More in the LabVIEW+ Suite

The LabVIEW+ Suite is a collection of LabVIEW plus, more software that provides purpose-built tools for automating measurement, analysis, and test. The software works together to save you time.
Part Number: 788509-35 [S], 790058-35 [P]

PART NUMBERS LISTED ARE FOR DOWNLOADABLE MEDIA FOR WINDOWS, FIND MORE INFORMATION ONLINE OR THROUGH YOUR DISTRIBUTOR.