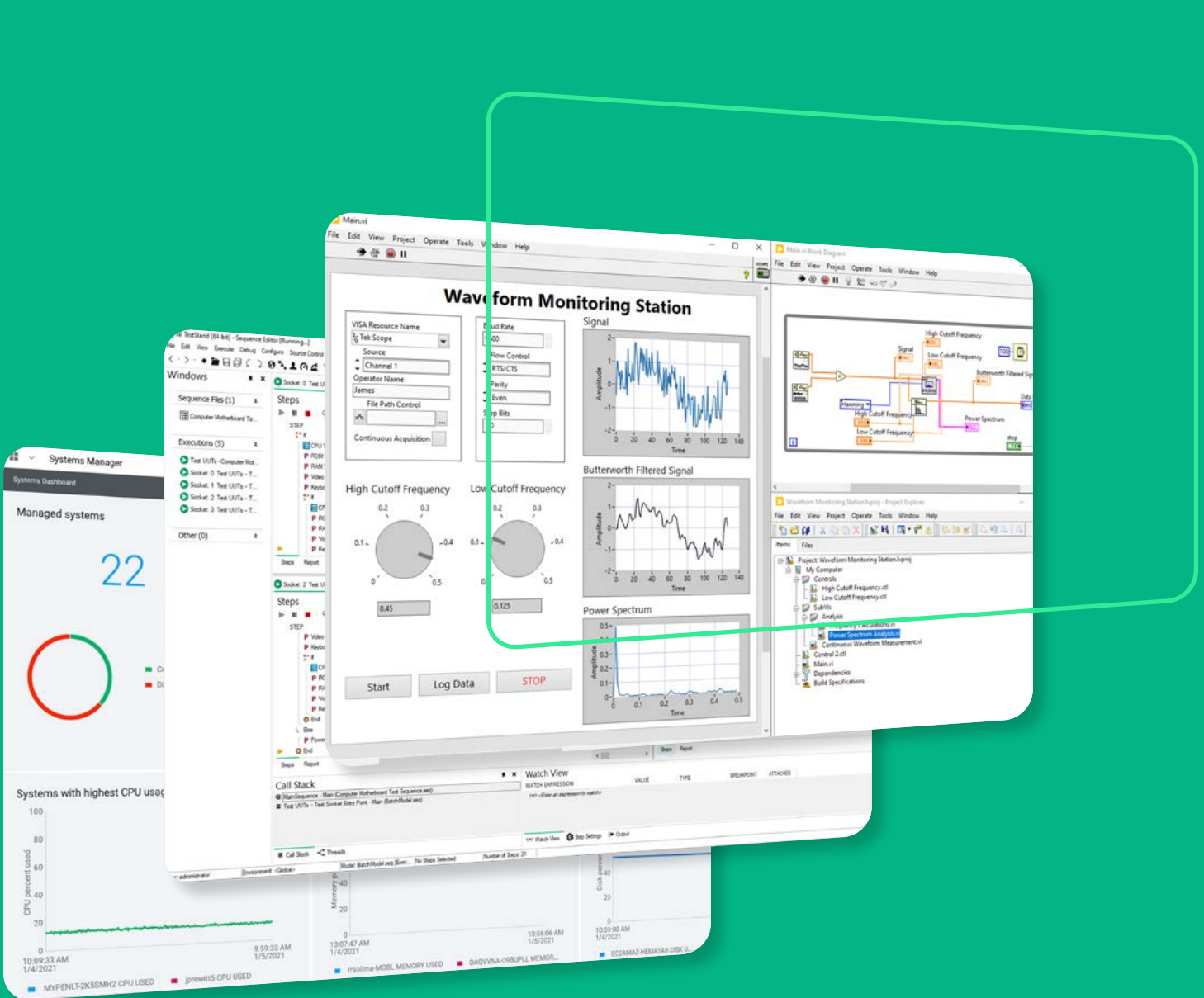


6 Ways to Save Time with Test Workflow



Tools for automation are critical to keeping up with changing test needs while improving test performance. Sure, you could develop code and scripts for every new challenge or keep adding that “one more feature/instrument,” but there’s off-the-shelf software that can do that job and let you focus your time on the harder challenges. With Test Workflow, a subscription bundle of NI test software, you can measure sensors, control instruments, connect to the cloud, analyze data, automate your tests, and more. Here are just six of many ways you can save time with Test Workflow and test automation.

01

Control All Your Instruments with the Same Software

Connect your instruments—from any vendor—and automate them with Test Workflow. This is great for repeated tests, such as firmware tests or when your test requires several instruments from different vendors. NI has been automating instruments for more than 40 years. Use Test Workflow to connect your instruments with a single software interface, host that display in the cloud, and generate a report for Microsoft Office. Turn your tests from a tedious, manual process into hitting the run button and heading to lunch.

02

Simplify Sensor Measurements

Use no-code data acquisition software and begin measurement in just a few clicks. Automate Test Workflow with Python APIs that control execution and modification of existing projects. Once you have your data, drag and drop to create visualizations like charts and graphics, perform calculations with built-in analysis functions to step through calculations, and automate the entire analysis and reporting process with VBS, Python, or Macro Recording.

03

Optimize Multi-Up Production Tests

Create a sequence of tests to develop robust validation and production test systems with Test Workflow. Call and reuse individual test modules developed in LabVIEW, Python, C/C++, and .NET. Reduce test times and increase throughput with native parallel testing to test multiple units at once or run multiple simultaneous tests on the same device. Automatically name and track units under test and store reports in your database for traceability.



04

Connect Test Systems to the Cloud

Connect your test system to the web and automatically share test status and data. In today's flexible work environment, accessing your test system remotely is no longer a convenient feature, but a critical component. Test Workflow empowers you to create web applications without any web development knowledge so that you can access your test system from anywhere. This can connect to systems developed in LabVIEW, Python, or C. While away from your desk or the test station—which may be difficult to access—view long-running tests and be alerted of failure ahead of time. Upload your web application to the cloud and access it on any device that can run a modern web browser.

05

Get Faster Insights from Large Datasets

Test Workflow provides unparalleled access to data for analysis. Test Workflow can import any type of data and indexes your directory so that it is searchable for retrieval. Automate the entire data analysis process from search to analysis to report to eliminate data loss and calculation errors. Standardize the process across your teams so every engineer can save time and view data the same way.

06

Automate Repetitive Tests

Combine the measurements, control, and analysis into a single test bench to save time on repeated tests such as firmware updates, characterization, and performance benchmarking. Test Workflow software includes all the APIs you need to control anything from valves to heaters to motors, and more. Add to this all of the supported NI hardware devices, thousands of third-party instruments, and extensive analysis functions. You have the building blocks to test everything from the latest smart medical device to the largest rocket in development.

See all the Software Included with Test Workflow

[Select Your Edition of Test Workflow](#)

[Buy Test Workflow](#)

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