

## WHAT IS WATS?

WATS is an off the shelf Test Data Management software which easily integrates with NI TestStand and other test applications. WATS automates test data management and makes yield, cpk, general SPC and test & production data easily accessible through your web browser.

WATS can scale from a single test station to collecting data globally from your production sites.

Let your entire organization make use of test and repair data!



## WHAT DOES THIS MEAN ACROSS YOUR ORGANIZATION?

### TEST



Let your test department team reuse code and do team development with strict structural programming. They can focus on testing with the elimination of the need to consider reporting. With WATS your data flow is now handled automatically.



## **MANUFACTURING**

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Give your manufacturing department direct "real time" feedback on production processes (YIELD/Progress), either in house or outsourced. Manufacturing can quickly localize problems and implement improvements. WATS lets your manufacturing department use its time on other priorities rather than reporting, as this is now automated. Making improvements is easier because response time is shortened and the "distance" between various parts of the organization – both physical and virtual – is reduced. Improvements loops are now very short. You are actually in the process while you see real time test and production data. You can quickly stop process because the results are generate in real time. WATS organizes repair reports and ties these to test/unit failures.



## **R&D**

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Give you R&D Department a higher level of control on product quality. They can have easy access to analysis for optimizing product development. Trend charts with limits. Measuring how close you are to your specifications with CPK, Mean, Maximum and Minimum – on the fly. With WATS they are also able to export test data for more thorough analysis.



## **QA**

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Let your QA Department get even higher levels of control on production quality. The WATS "Captain's View" lets them automatically monitor production rates and yield, as well as producing automated Statistical Process Control alarms on mail. Other views instantly reveal product/production error, test flow and repair data.



## **RETURN ON INVESTMENT**

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Improved yield means improved quality. Through the WATS off-the-shelf platform, you have the ability to do quick drilldowns to identify “problem areas.” And Excel charts and Pivot tables are a finger touch away.

## **DATA CHALLENGE**

Today’s test stations often generate many different test results stored in variety of ways. Reporting formats and layouts are often left to software engineers.

Test data is therefore rarely used before a problem occurs. Once there is a problem, time and resources are needed to gather necessary information to create reports and analysis. If stations are located world wide, an overview of production sites is difficult.

Can you trust your contractor to give correct information about production yield repair reports?

## **WHY DROWN IN TEST DATA?**

Why not take advantage of WATS to increase the power of your existing test environment?

WATS captures all your data from any National Instruments TestStand™ Station, or you can interface other existing test systems.

With WATS you manage, store, analyze and monitor test and production data real time. You leverage the power of your existing data collection across your entire organization.

You can install WATS on your already existing test stations and make use of its Control Panel overview with online UUT reports, test step analysis, yield reports and mail alarms -- instantly.

## **SO WHY NOT REDUCE THE TIME FROM ERROR SITUATION TO SOLUTION?**

WATS gives you high levels of control on production quality. It allows you to link repair and test data. Reduces test development time. Increases market value and control. And shortens time to market.

## FLEXIBLE AND PROACTIVE

WATS is the scalable alternative. It gathers all test data automatically from multiple test stations. In a small local area, worldwide -- or both. New production sites and test stations can easily be added.

WATS makes test data useful *before* critical situations occur by providing easy access to

- Yield information
- Six Sigma parameters (CPK)
- E-mail based yield alerts

You get traceable data down to the smallest Unit Under Test (UUT) through

- Serial number
- Part number
- Revision logging

All information is presented in a web interface with several export options (like excel and XML) for closer NI DIADEM analysis.

WATS uses standard database technology, tightly integrated into test-equipment using Nation Instruments TestStand™. Through WATS you are assured that all test data from TestStand™ will be stored in a local database at the test station.

Whenever a network connection is present, the test data moves to the next level and replicated into the Master database. Because communication between WATS modules are TCP/IP-based, all information can be routed over Internet.

## THE WATS SOLUTION . . .

- Accumulates your test-data from multiple test stations and sites – on one master server – in real time
- Allows real-time monitoring, analysis and reporting options
- Locates production abnormalities and helps define possible improvements
- Reduces time from error situations to a solution
- Transforms test data into information you can use and act on -- making it accessible to decision-makers across your company
- Provides a better decision platform leading to improved results

In short, WATS helps your entire organization to understand and improve how your product performs to specification. Distributing control globally.

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