

Mitutoyo

Precision is our Profession

MeasurLink®



Coordinate Measuring Systems



Vision Systems

MeasurLink®

An Integrated Solution for Quality Data Management
www.measurlink.com



Form Systems



Precision Tools

On-line Real-Time Data Acquisition Management and Analysis



MiCAT

Mitutoyo Intelligent Computer Aided Technology

the standard in world metrology software

MeasurLink®



Mitutoyo America Corporation

www.mitutoyo.com

Mitutoyo America Corporation



Mitutoyo America Corp. serves manufacturers by combining Mitutoyo measuring products with its own application expertise to provide total quality solutions. Working closely with end-users, Mitutoyo America Corp. has developed a base of knowledge about manufacturing's needs for metrology that allows it to create on-going partnerships with manufacturers.

Precision is our Profession

Mitutoyo America Corporation was established in 1963 to work with US manufacturers striving to improve the quality of the products they make. Acting as a catalyst between new metrology technology and industrial users, Mitutoyo America Corporation brings the products of Mitutoyo, the world's premier manufacturer of precision measuring instruments, to the North American market.

Mitutoyo America Corporation serves manufacturers by combining Mitutoyo measuring products with its own application expertise to provide total quality solutions. Working closely with end-users, Mitutoyo America Corporation has developed a base of knowledge about manufacturing's needs for metrology that allows it to create on-going partnerships with manufacturers.

Mitutoyo America Corporation has an extensive support network throughout North America. Products are brought to market through a wide network of industrial distributors; front-line solution providers who understand manufacturing's need for precision measuring technology.

Mitutoyo America Corporation's physical presence in the North American market includes metrology centers, sales offices, service and repair facilities and strategically located warehouse and shipping centers.

The MeasurLink® Quality Data Management System is Mitutoyo America Corporation's answer to manufacturers who want to pull it all together by blending hardware and software into an enterprise-wide quality control network.



Mitutoyo



Around the world, the name Mitutoyo stands as a symbol of quality in precision measuring instruments. As the sole representative of Mitutoyo products in North America, MAC brings that world-class quality home to you—a single point of access for satisfying measurement requirements.

Mitutoyo
70th
Anniversary

Innovation for the Future

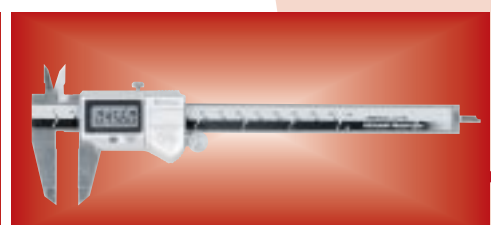
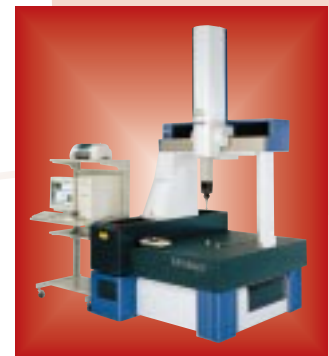
The world leader in precision measuring technology

For 70 years, Mitutoyo Corporation has been developing and bringing metrology technology to every aspect of the manufacturing process. Mitutoyo's measuring tools have been the cornerstone of many company's quality improvement efforts, from simple, mechanical micrometers and calipers to CMMs, Vision and Form instruments.

As metrology technology has evolved, and the advent of computer-based measuring devices, Mitutoyo has developed a line of high-end instrumentation designed to measure roundness, surface roughness, contours, and material hardness. Mitutoyo has also advanced the use of non-contact, vision measuring and inspection equipment into the semiconductor, electronic and computer industries.

Three-dimensional measurement is one of Mitutoyo's strengths. A 30-year history of Coordinate Measuring Machine technology has led to unique, industry-leading developments in metrology hardware in terms of speed, accuracy and durability.

The MeasurLink® Quality Data Management System ties all these measuring technologies together to form an integrated metrology network that provides a comprehensive overview of a manufacturer's processes and products from a quality control standpoint.



MeasurLink®

An Integrated Solution For Quality Data Management

The MeasurLink® Quality Management Software combines real-time data acquisition, on-line SPC analysis, integrated networking, and quality information sharing into a comprehensive solution for your company. The MeasurLink® family consists of a number of different software modules that allow users to determine the level of depth they want in a quality management system.

Starting with a Real-Time package, users can acquire and analyze data in real-time and check variable, attribute and short run inspection to maximize production and minimize defects. Other MeasurLink® packages allow for management of the manufacturing process, process analysis, gage management, gage repeatability and reproducibility, gage tracking and statistical analysis.

MeasurLink® software has entity-wide capabilities, performing as a data acquisition clearinghouse by enabling users to connect and acquire data from virtually any measuring device. It supports the full range of metrology technology, including calipers, micrometers, indicators, CMMs, vision systems and more. They can be networked into one, large quality analysis system with the ability to provide manufacturing QC data to a variety of information users in the company.

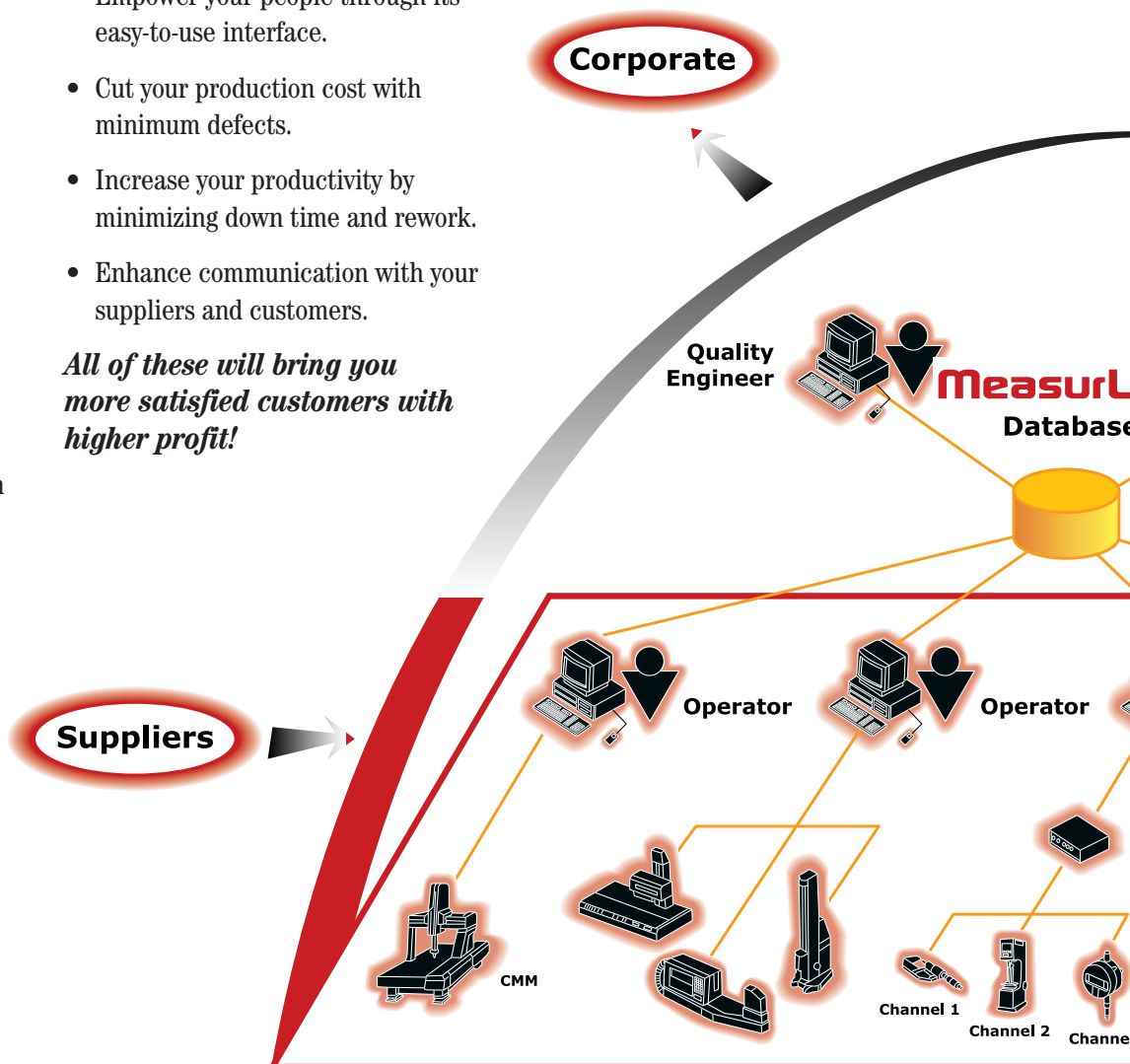
MeasurLink® also supports the measuring tools of most other manufacturers, making it an open architecture product sought by major industrial manufacturers worldwide.

MeasurLink® creates a total quality management system by networking a wide variety of metrology tools, allowing for the acquisition and analysis of QC data, quality management of the manufacturing process, the tracking, management and R&R of gages in use, and advanced SPC analysis and reporting for the manufacturing entity.

MeasurLink® Quality Data Management System can:

- Empower your people through its easy-to-use interface.
- Cut your production cost with minimum defects.
- Increase your productivity by minimizing down time and rework.
- Enhance communication with your suppliers and customers.

All of these will bring you more satisfied customers with higher profit!



The Manufacturing Process with MeasurLink®

What Customers Say About

MeasurLink®

MeasurLink® SPC REAL-TIME

“Highly pleased. The product is first and foremost, very versatile. Secondly, it is easy to setup and use.”

“This program paid for itself in two weeks.”

“MeasurLink® SPC Real-Time has had a major impact on reducing defects, reducing field complaints, and reducing internal scrap, repair and off production costs.”

“MeasurLink® keeps track of parts in process much easier and faster.”

“The operators are very pleased with the program. In the past data was manually collected and calculated.”

MeasurLink® SPC PROCESS MANAGER

“Having the ability to monitor critical processes in real-time without having to continuously walk out to the inspection area is a real time-saver! Also the ability to look at assignable causes and operator notes when a process tilts towards an out of control state has saved a lot of scrap in production.”

“It helps defect reduction because the QC personnel can visually see where the process is centered, where it is going and the cause and effect relationship of assignable causes and defective parts.”

“I bought MeasurLink® software because it easily allows you to perform the most important function of SPC during data collection. MeasurLink® bridges the relationships between inputs and outputs so assignable causes can be eliminated.”

“MeasurLink® is easy to learn. It reduces PC time and gets better reports to managers.”

MeasurLink® SPC PROCESS ANALYZER

“Like the way you can filter jobs for traceability and perform comparative studies between machines, operators, etc..”

“Allows one to choose and break down particular runs or merge and filter runs. It has all the necessary tools for identifying and determining the correct course of action for process improvement.”

“Process Analyzer helps us pinpoint process problems and variabilities.”

“MeasurLink® SPC Process Analyzer has given us the capability of combining specific runs for a better overall picture on how the process is running. The assignable causes can be analyzed and then eliminated.”

MeasurLink® GAGE R&R

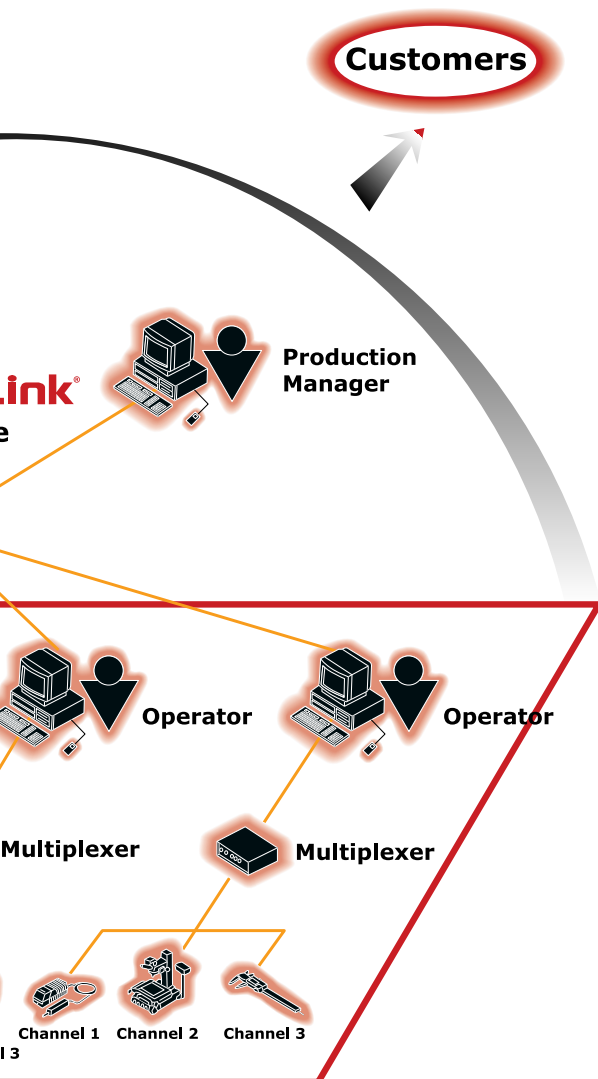
“Excellent Gage R&R program. Very simple to use.”

“Graphics are impressive, 20 appraisers/20parts/20trials is an advantage.”

“Working toward ISO/TS 16949. This software helps us to meet requirements for Gage R&R studies.”

“In order to be competitive, companies need Gage R&R studies for efficiency.”

“I would go with MeasurLink again in a heart beat, no question. In addition to the benefits for the operators using the system, the reporting features in the Analyzer are just the best; I am able to knock out reports within minutes.”



Mitutoyo World Wide

Mitutoyo America Corporation

965 Corporate Blvd.
Aurora, IL, 60504, USA
Phone: 1 (630) 820-9666, extension MeasurLink
Fax: 1 (630) 820-3418
Email: measurlink@mitutoyo.com

Mitutoyo Corporation (Japan)

Phone: 81 (044) 813-8230
Fax: 81 (044) 813-8231

Mitutoyo Canada Ltd.

Tel: 1 (905) 821-1261
Fax: 1 (905) 821-4968

Mitutoyo Messgerate GmbH

Tel: 49 (2137) 102-0
Fax: 49 (2137) 8685

Mitutoyo U.K. Ltd

Tel: 44 (1926) 450044
Fax: 44 (1264) 354883

Mitutoyo France S.A.R.L

Tel: 33 (1) 49-38-35-00
Fax: 33 (4) 72-37-16-23

Mitutoyo Italiana S.R.L

Tel: 39 (2) 935781
Fax: 39 (2) 9373290

Mitutoyo Netherlands B.V.

Tel: 31 (0) 318-534911
Fax: 31 (0) 318-516568

Mitutoyo Belgium N.V.

Tel: 32 (3) 2540444
Fax: 32 (3) 2540445

Mitutoyo Scandinavia A.B.

Tel: 46 (8) 59410950
Fax: 46 (8) 59092410

Mitutoyo Schweiz AG

Tel: 41 (1) 7345534
Fax: 41 (1) 7345559

Mitutoyo Sul Americana Ltd.

Tel: 55 (11) 5641-7755
Fax: 55 (11) 5641-3722

Mitutoyo Mexicana S.A de C.V

Tel: (52-5) 312-5612
Fax: (52-5) 312-3380

Mitutoyo Asia Pacific Pte. Ltd

Tel: (65) 2942211
Fax: (65) 2996666

Mitutoyo Malaysia Sdn Bhd

Tel: (60) 3-37779318
Fax: (60) 3-7779346

Mitutoyo Thailand Co. Ltd.

Tel: (02) 521-6130
Fax: (02) 521-6136

Mitutoyo South Asia Pvt. Ltd.

Tel: 91-11-3324419
Fax: 91-11-3721842

Mitutoyo China Co. Ltd.

Tel: 886 (2) 2299-5266
Fax: 886 (2) 2299-2358

Mitutoyo Korea

Tel: (02) 3661-5546
Fax: (02) 3661-5548

Mitutoyo Measuring Instruments

(Shanghai) Co, Ltd.
Tel: 021-58307718
Fax: 021-58307717

Mitutoyo Poland Sp.z.o.o

Tel. : 0048 502264060

Mitutoyo Czech Republic s.r.o.

Tel. : 00420 - 417 579 866
Fax : 00420 - 417 579 867

Mitutoyo Metronic Kft. (Hungary)

Tel. : 0036 1 2141447
Fax : 0036 1 2141448



Mitutoyo

www.measurlink.com

Mitutoyo America Corporation

965 Corporate Blvd.
Aurora, IL, 60504, USA
Phone: 1 (630) 820-9666, extension MeasurLink
Fax: 1 (630) 820-3418
Email: measurlink@mitutoyo.com

MeasurLink®

An Integrated Solution for Quality Data Management

MeasurLink® Version 6.0

The latest evolution in the industry's most innovative quality management software system.

The MeasurLink® Quality Data Management Software System is a suite of applications that allow users to create extended and in-depth networks of quality control data. It combines real-time data acquisition, on-line SPC analysis, integrated networking and quality information sharing that creates a comprehensive quality management system for your company. MeasurLink® Version 6.0 offers increased speed, stability and enhanced functionality that gives users even more control over their manufacturing processes through more information.

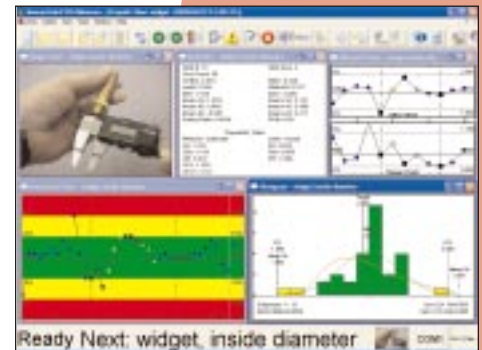
MeasurLink® also supports these popular commercial database management systems: Oracle; Microsoft SQL Server; Sybase SQL Anywhere; Sybase System 11; IBM DB2 (for Windows).

New functional highlights can be found in each module:

Real-Time: Traditional data acquisition software.

This traditional inspection interface supports a wide variety of graphic displays including control charts, tolerance charts, histogram, detailed statistics, and more. It supports both attribute and variable data collection and has "short-run" ability. It's designed for use by both machinery operators and quality control inspectors.

- Long file name support (Run ID, Part ID, Feature ID, Inspection Routine name, Study name)
- Report templates with logo bitmap and free text support
- FDA 21CFR Part 11 support with enhanced logon security, profiles, audit trails
- Extended serial port support (16 port maximum)
- Pareto pie chart
- Multi-variate charting
- Multi-media aids (video, sound, images, file attachments)
- Print to Microsoft Word document
- Printing capability including true Print Preview
- Import for Pocket ML data collector
- Enhanced screen customization (plot point color, shape, statistical output, etc.)
- Automated data control (timed device polling, fixture zeroing, etc.)
- Defect % graph
- Colorized Histogram
- User defined observation font size
- Toolbar button sizing for touch screen - XP style
- Multi-feature Gage R&R study creation
- Available in 12 languages
- Sampling frequency
- Email alarms
- Window capture
- Mixed variable/attribute routines
- Crystal reports runtime
- Inspection wizard
- On screen filter



MiCAT

Mitutoyo Intelligent Computer Aided Technology

the standard in world metrology software

MeasurLink®

Mitutoyo America Corporation

www.measurlink.com

M³ Solution Center

Michigan
(734) 459-2810

Illinois
(630) 820-9666

California
(626) 961-9661

Massachusetts
(978) 692-8765

Indiana
(317) 577-6070

No. Carolina
(704) 875-8332

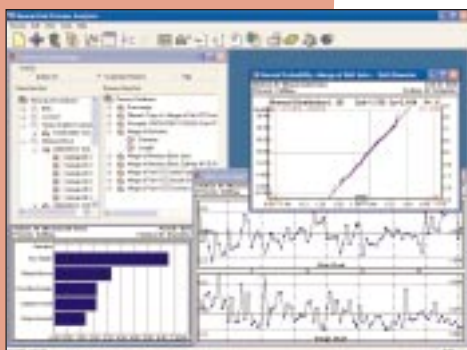
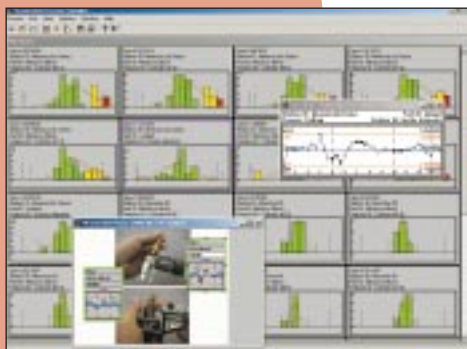
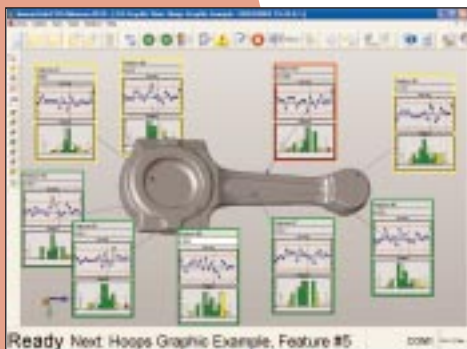
Mitutoyo

www.measurlink.com

MeasurLink®

An Integrated Solution for Quality Data Management

MeasurLink® Version 6.0



Real-Time PLUS: Add the power of visuals to Real-Time.

This is a superset of SPC Real-Time, built around a graphical multi-variate display in which callouts are positioned against an image, such as blueprints, digital photographs, CAD displays. It, too, is designed for use by machine operators and QC inspectors.

- Auto print of Graphics display
- Remote screen setup
- CAD File support (DXF, DWG) – set perspective on CAD model
- GD&T Labeling (ANSI/ASME standard symbology)
- DDE dynamic tolerance update (for GEOMeasure, MCOSMOS, QVPak, QSPak, SurfPak, RoundPak and FormPak)
- Multiple image background (front view, side view, top view, etc.)
- Image control support in callout
- BMP and JPG image support
- Hoops 3D modeling
- Automatic email of inspection results
- Autorotate of 3D model
- Delete/Restore Sub-Group

Process Manager: Ideal for monitoring the factory floor.

This real-time remote monitoring application organizes all current inspection data from worst case to best case. It includes various warning methods that alert management of problem areas. Designed for use by quality control and production management users.

- E-mail and text message alarms (use with Microsoft Outlook/Exchange or Lotus Notes)
- Graphical Plant View
- Graphic View (from Real-Time PLUS)
- Sampling activity screen
- Process Filter
- Run Chart View

Process Analyzer: An excellent engineering analysis tool.

A quality engineering application that organizes all historical data in a tree structure. Inspection data can be massaged (e.g. merged, filtered) to identify long-term process capability and analyzed for continuous process improvement efforts. Process capability (Cpk, Ppk) can be plotted against time for tool-wear analysis or against traceability (operator, machine, shift) to determine areas for corrective action.

- FDA 21CFR Part 11 support with e-signatures
- Comprehensive import templates
- Probability Distribution (verify Cpk validity)
- Native export to Excel (data sheets including multi-run analysis)
- Global Variable View (from Process Manager)
- Capability report
- Crystal report runtime
- Graphics View (from Real-Time PLUS)
- Web Publishing (post data for real-time internet viewing; for use with new product: Measur.NET)
- Serial number search and display (Includes ISIR/PPAP reporting ability)
- Non-normal data transformation
- Data archive

Mitutoyo America Corporation

www.measurlink.com

M³ Solution Center

Michigan
(734) 459-2810

Massachusetts
(978) 692-8765

Illinois
(630) 820-9666

Indiana
(317) 577-6070

California
(626) 961-9661

No. Carolina
(704) 875-8332

Mitutoyo

www.measurlink.com

MICAT

Mitutoyo Intelligent Computer Aided Technology

the standard in world metrology software

MeasurLink®

MeasurLink®

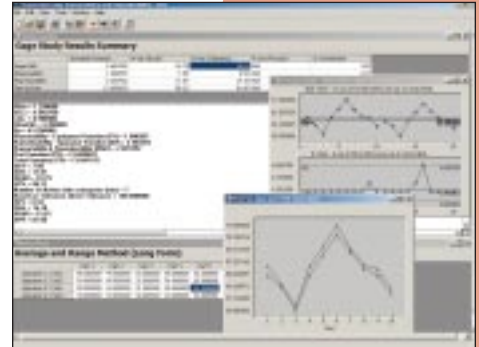
An Integrated Solution for Quality Data Management

MeasurLink® Version 6.0

Gage R&R: Minimize the variation in your measuring system.

This measurement systems analysis application is designed for repeatability and reproducibility, linearity, bias and stability study of inspection systems. Its graphical tools allow you to isolate gauging problems, including inconsistencies in technique between operators. This application is especially valuable to quality control management.

- Updated for AIAG MSA 3 Support
- Includes: Bias, Linearity, Stability and multi-feature study integration with MeasurLink® Real-Time applications
- Multi-variate studies from Real-Time and Real-Time PLUS



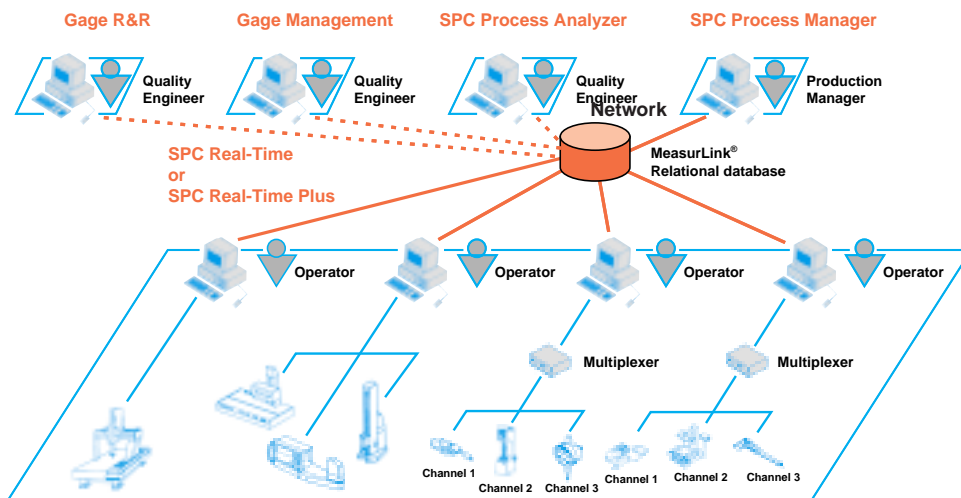
Gage Management: Always know the status and accuracy of your tools.

This application supports the creation of a gage inventory for the purposes of tracking gage use, calibration recall and performing calibration procedures. Designed for use by quality management or tool room/calibration personnel.

- Integration with Real-Time for electronic recall
- Support for Laser calibration of ring gages, plug gages, pin gages, etc.
- Autopin setup for attribute gage sets
- Email notification of overdue gages



MeasurLink® SPC Solution System



MiCAT
Mitutoyo Intelligent Computer Aided Technology

the standard in world metrology software
MeasurLink®

Mitutoyo America Corporation
www.measurlink.com

M³ Solution Center

Michigan
(734) 459-2810

Massachusetts
(978) 692-8765

Illinois
(630) 820-9666

Indiana
(317) 577-6070

California
(626) 961-9661

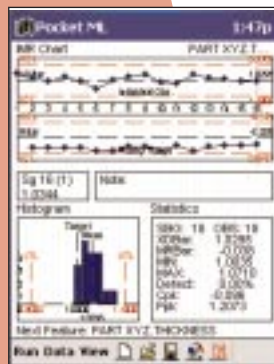
No. Carolina
(704) 875-8332

Mitutoyo
www.measurlink.com

MeasurLink®

An Integrated Solution for Quality Data Management

MeasurLink® Version 6.0



Pocket ML: Untethered data acquisition and monitoring.

Pocket ML™ is an application designed for the Pocket PC platform (Microsoft® Windows Pocket PC). MeasurLink® Pocket ML™ is a full function SPC data collection software that is excellent for mobile data collection and event logging. Pocket ML™ collects measurements from a single gage and supports timed input. Inspection data can then be imported into MeasurLink® desktop software or Microsoft Excel/Word.

- Pocket ML 2.0 w/ wireless and Autosync
- Pocket ML Web Server 1.0 for real-time wireless communication on 802.11b WIFI
- Ships with iPAQ Pocket PC



Measur.NET: Browser-based, internal and external data communication.

MeasurLink® data for Web server “publishing”: Integrated with security to publish runs at User ID level with specific Password. Active Server Pages set for Login, Published Run display and Data Viewing. ActiveX control developed for “live” data viewing. Employs SSL (secure sockets layer) certificates for privacy.

- Measur.NET 2.0 real-time web viewer

MiCAT

Mitutoyo Intelligent Computer Aided Technology

the standard in world metrology software

MeasurLink®

Mitutoyo America Corporation

www.measurlink.com

M² Solution Center

Michigan
(734) 459-2810

Massachusetts
(978) 692-8765

Illinois
(630) 820-9666

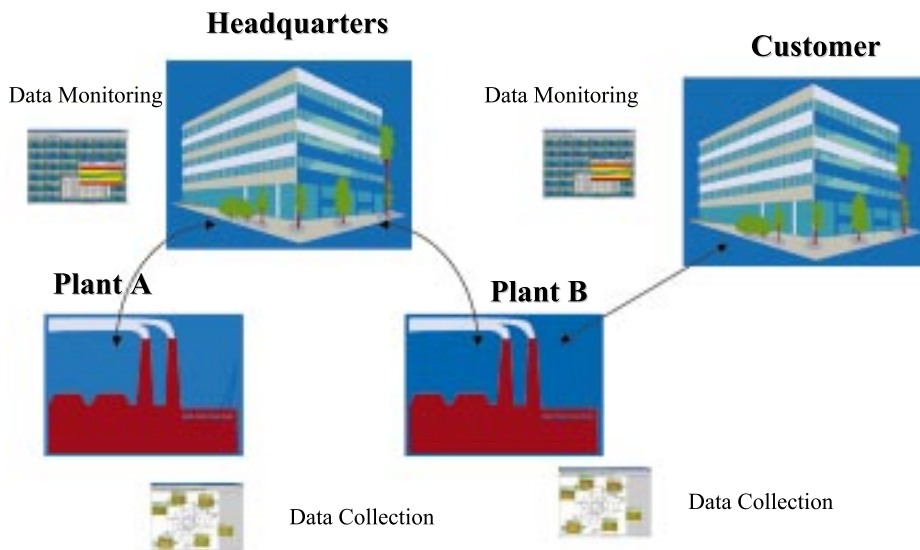
Indiana
(317) 577-6070

California
(626) 961-9661

No. Carolina
(704) 875-8332

Mitutoyo

www.measurlink.com



MeasurLink® creates a total quality management system by networking a wide variety of metrology tools, allowing for the acquisition, processing, analysis and sharing of QC data relating to your manufacturing process. It tracks gages, processes and R&R, allowing users to see and manage their entire production process.

Note: STATMeasure and STATMeasure PLUS are designed for use with GEOMeasure, CADMeasure, GEOPak WIN, QVPak, QSPak, QM Data, SurfPak, FormPak and RoundPak

Mitutoyo

Mitutoyo

www.measurlink.com

Mitutoyo America Corporation

965 Corporate Blvd.

Aurora, IL, 60504, USA

Phone: 1 (630) 820-9666, extension MeasurLink

Fax: 1 (630) 820-3418

Email: measurlink@mitutoyo.com