

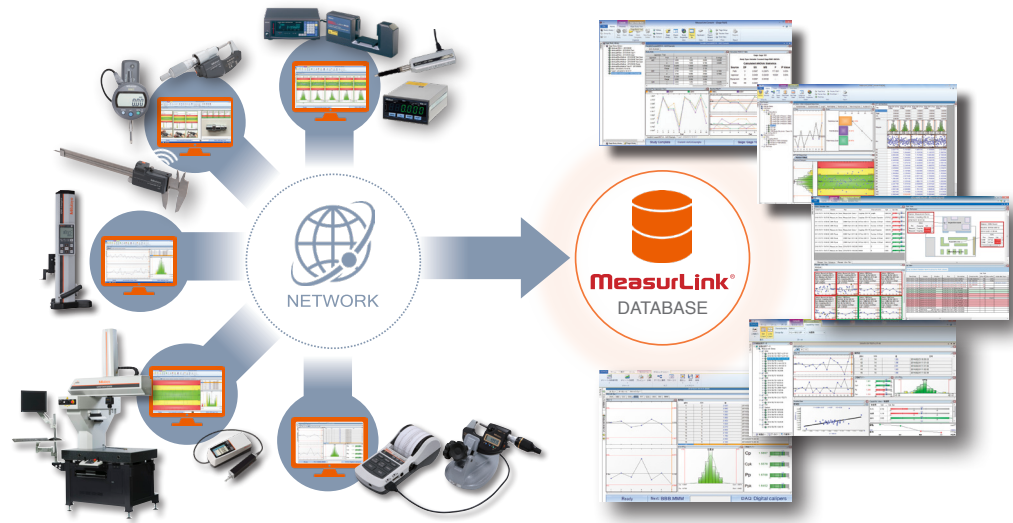
MEASURLINK® 10 REAL-TIME SPC SOFTWARE

MeasurLink® Version 10 is an easy-to-use, data collection and real-time statistical process control suite.

SMALL TOOL INSTRUMENTS
AND DATA MANAGEMENT



ML10



ML10

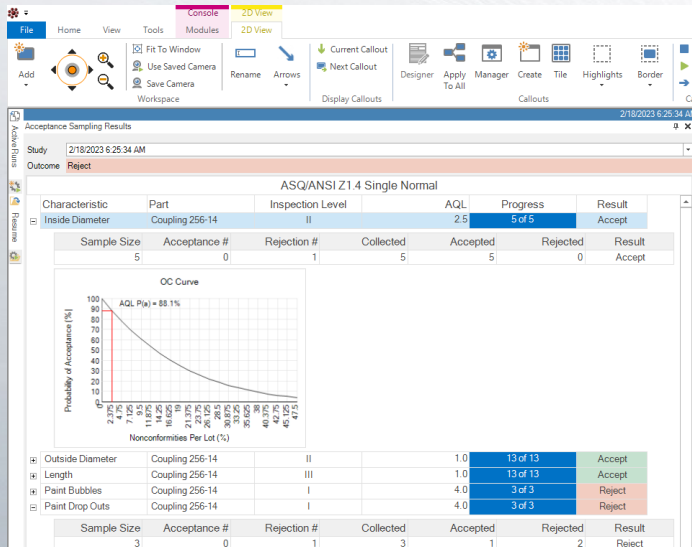
THE BIG PICTURE

Scalable Data Acquisition, Management & Analysis

MeasurLink[®] is Mitutoyo's Data Collection and Real-Time SPC software. It is used in all industries to collect and analyze data to improve the manufacturing process. MeasurLink[®] supports Real-Time data collection with live SPC charts to alert operators, and additional alerts, analysis tools, and reports for Quality Control and Operations.

Assemble a software package from any of the MeasurLink[®] modules to satisfy your organization's specific needs.

- **Real-Time Standard** allows data collection from each tool and instrument while allowing real-time display of statistical processing data such as control charts, histograms and process capability indices.
- **Real-Time Professional** additionally supports filter, Import Templates and DDE DAQ Sources.
- **Real-Time Professional 3D** additionally supports view of the workpiece using 3D CAD data. (HOOPS).
- **Process Analyzer** A powerful supervisory tool for viewing, analyzing and reporting on all data collected at any Real-Time station on the network. Additional charting options and management friendly reports provide insight on the manufacturing process.
- **Process Manager** enables centralized monitoring of information from all MeasurLink data collection terminals networked together on the shop floor.
- **Report Scheduler** automatically outputs reports created by Real-Time or Process Analyzer on a user defined schedule.
- **Gage Management** plans and implements a complete calibration schedule and incorporates a powerful retrieval function in addition to recording and managing the operational state of gages.
- **Gage R&R** is an evaluation and analysis software compliant with MSA required in ISO/TS 16949.



Acceptance Sampling

MeasurLink's Acceptance Sampling uses C=0 or Z1.4 guidelines to determine inspection quantities. The inspection results will determine whether to accept or reject the entire material lot. Simply enter the lot size and sampling criteria to get started. This approach allows:

- ✓ Reduced cost of receiving inspection
- ✓ Increased confidence in supplier quality
- ✓ Faster reaction to supplier quality issues
- ✓ Less risk of supplier defects impacting other processes

DATA MANAGEMENT FOR SMART FACTORIES

Mitutoyo has been developing MeasurLink and serving manufacturing quality programs for almost 30 years. It represents the design input of industry experts and thousands of manufacturers across the globe. It is quality management, inspection and analysis software built on a technology platform for the most robust performance and reliability.

Why Our Products Are Leading The Way

MeasurLink® can serve the smallest shop to the largest multi-national enterprise with the most ease of use and power available in SPC software today. It is designed with Industry 4.0 and Smart Factory in mind and provides the scalability, extensibility and interoperability needed in today's factory.



Ensure part quality and consistency



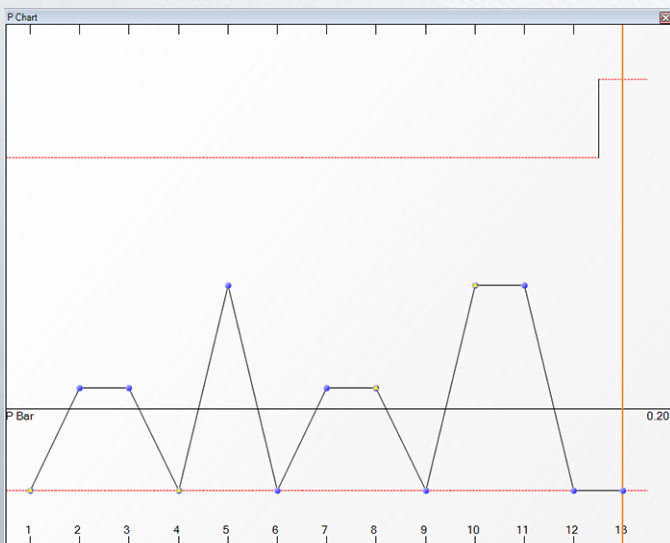
Increase data visibility and accessibility



Increase ease of use for inspectors in all environments



Reduce manufacturing defects through the use of real-time SPC



THE ADVANTAGES OF

Attributes - P Count

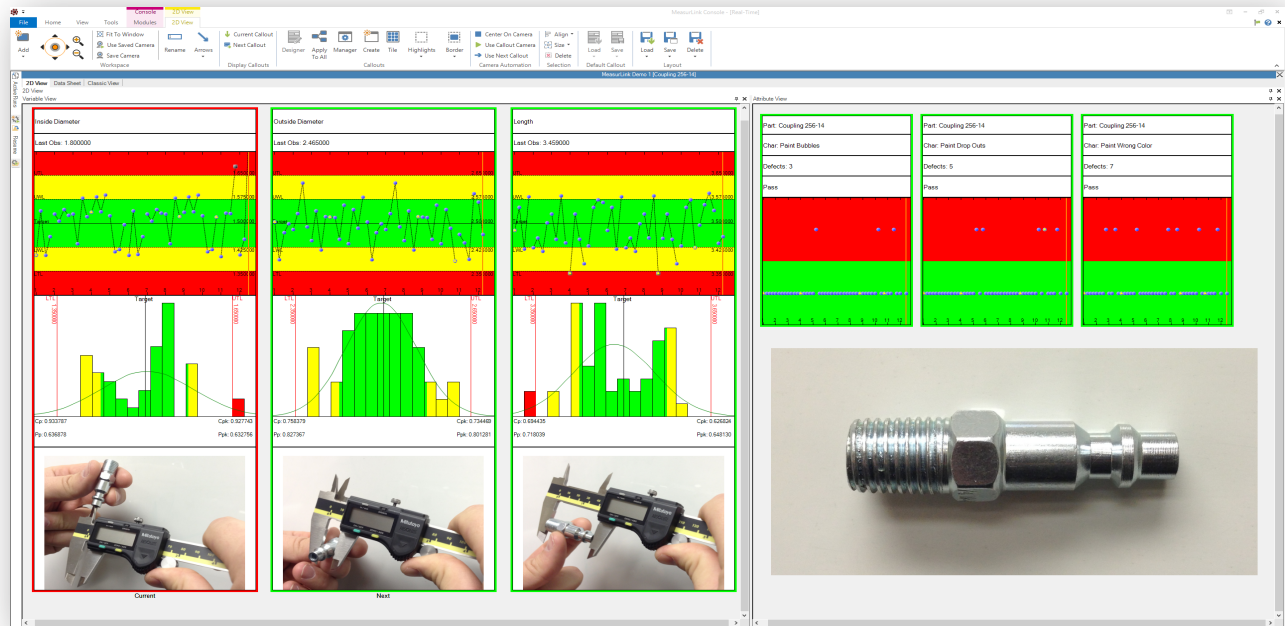
The most commonly used attribute control chart is the p chart. The p chart is used specifically to control the fraction or proportion non-conforming. The fraction non-conforming is the ratio or the quantity non-conforming divided by the quantity of parts. The p chart is used for several reasons:

- ✓ On processes that use go no-go gaging such as plug gages, ring gages and functional gages.
- ✓ In inspection areas to monitor or control the fraction non-conforming from the shop or supplier.
- ✓ In situations where visual inspection is performed.
- ✓ Other attribute situations where the fraction (or proportion) non-conforming requires control.
- ✓ Attribute Inspection where sample size varies.

Real-Time Standard

Use MeasurLink[®] Real-Time Standard Edition to acquire and analyze data in real-time and check variable and attribute inspection to to control your process and minimize defects.

Designed to collect data at the point of manufacture, operators can be alerted of trends, cycles, and nonconformance as soon as they occur. A customizable user interface allows the user nearly infinite ways to view information specific to that process. MeasurLink[®] Real-Time has the ability to connect and acquire data from virtually any measuring device.



GENERAL MANUFACTURING

Statistical Process Control

MeasurLink[®] is an integral part of Six Sigma activities. MeasurLink[®] calculates and monitors statistical metrics. This Real-Time monitoring allows users to control the quality of the product during production and prevent costly defects

- ✓ Live statistical data testing
- ✓ Email alerts and alarms for out-of-control processes
- ✓ Real time Cp, Cpk, Pp and Ppk calculations
- ✓ Immediate pre-control, X-Bar R and IMR charting
- ✓ Assignable cause and corrective action data entry

MeasurLink[®] allows companies to control the quality of their processes by identifying and reducing process variation.

Features & Benefits

✓ User Friendly

Click a gage button and watch the charts update in real-time. This helps the operator stay on top of the process. Begin collecting data in minutes with Inspection Wizard.

✓ Part Pictures

View scanned blueprints, digital photographs at a glance. On-screen guided sequencing keeps the operator moving to the right feature.

✓ Comprehensive SPC

Easy-to-use Control Charts, Histograms, Capability, Detailed statistics, Assignable Causes, Corrective Actions, and Traceability all make this software "best in class".

✓ Variable Collection Frequency

Allows characteristics of the same routine to be measured at different intervals while maintaining appropriate prompted guided sequencing.

✓ Multimedia Aids

Attach movies (AVI, MOV, MPG), sound (WAV) and images (BMP, JPG, TIF) to parts, routines or individual characteristics as instructional aides for an operator.

✓ Revision History

Track specification adjustments and preserve historical data.

✓ Data Acquisition and Input

Collects data from digital micrometers, calipers, indicators, bore gages, etc. Keyboard entry is a snap. Collect data for one or a million parts. Begin collecting data in 60 seconds with a "Quick Run" by defining features, tolerances and input method. Flexible data input. Collect data by feature, by part or randomly. Guided sequencing minimizes inspection errors.

✓ Mixed and Attribute Variable Data

Collect dimensional data (length, width, height, outside diameter, inside diameter weight, etc.). Supports derived features (calculations for run out, volume, true position, etc.) Mix your dimensions and non conformances in the same Inspection Routine. Track defects and defectives along with your dimensional data. Collect data from visual inspections (burrs, cracks, dents, missing holes, etc.) to determine the fitness of a part. Track failures using a go/no-go style or count the defects on a characteristic to determine if a part is defective. There is complete flexibility to study the individual characteristics and as a group of them, too.

✓ Engineering Specifications

Attach drawings to parts, routines or individual characteristics for viewing. Most file formats are supported as an attachment (e.g. Word, PDF).

✓ Data Tests

Full support of Western Electric and Nelson Tests for pattern recognition in control charts (e.g. extreme point, trend, stratification, oscillation, etc.) along with various alerts for each failed test.

✓ Time Stamped Data

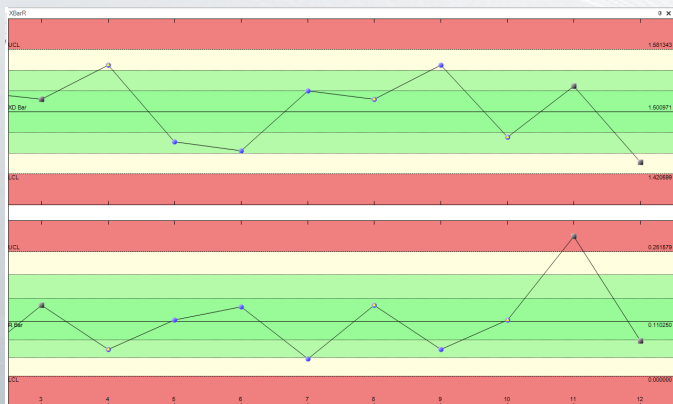
All observation data is marked with the data and time from the computer clock.

✓ Corrective Plans

Operators choose corrective action as applied to the part or process. Multiple corrective actions can be applied to any subgroup. Empower operator to build on existing Corrective Action list.

✓ Forced Assignable Cause

Force assignable cause tags on Inspector during collection if process is out of control. Empower operator to build on existing pick list.



THE ADVANTAGES OF

Control Charts

These charts are particularly helpful for machine dominant processes. The X-bar (mean) chart tells when a change has occurred in central tendency. This might be due to such factors as tool wear, a gradual increase in temperature, a new batch of material of greater toughness, or a different method by a night-shift workman. In looking for causes when an R (range) chart is out of control, look for poor repair or poor maintenance if this is a machine controlled process. Look for new operators or something disturbing the operators if this is an operator controlled process.

Real-Time Professional

MeasurLink[®] Real-Time Professional Edition enables customers to connect and acquire data from Mitutoyo Coordinate Measuring Machines, Vision and Form Measuring Systems via native integration (DDE).

In addition to all of the features supported by MeasurLink[®] Real-Time Standard Edition, this application also supports data filters. Full reporting functionality with templates is also provided. Supported data sources include keyboard, RS232 and USB devices, native Mitutoyo integration (DDE) ASCII, and QMD (xml-based) file import. MeasurLink[®] also supports the Quality Information Framework (QIF) through the import of QIF Plans and Results and the export of QIF Results and Statistics.

Additional Features & Benefits

✓ Import Templates

Easily create an import template that maps data in a text file to MeasurLink[®] information. Templates are saved to the database for everyone to use and can be added as data sources to data collection stations. An import template can be verified against the source file without adding data to the system.

✓ Import Data

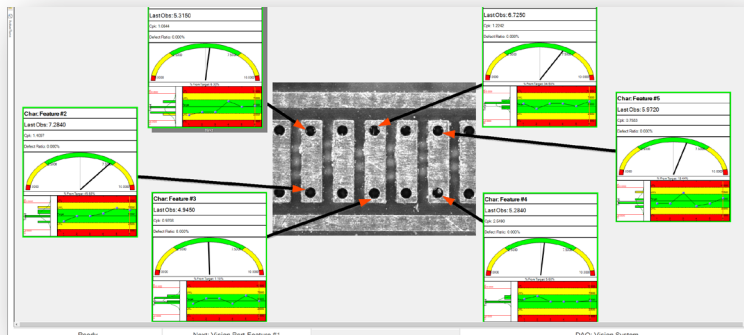
When set up as a data source, import templates are readily available to the operator, or periodic imports can be executed.

✓ Data Transfer

Collect data into MeasurLink[®] from Mitutoyo capital equipment running Mitutoyo Software that is MeasurLink[®] enabled. This provides a tighter and more robust interface than importing data from files.

✓ Data Filter

All data collected within a Real-Time run is related. Often, especially for runs containing a large volume of subgroups, requests are made for subsets of data that are further related from the entire run's population. MeasurLink[®] provides robust filtering capabilities to comply with these requests.



First Article Inspection View - 96								
	A	B	C	D	E	F	G	
1	1. Part Number:		2. Part Name:		3. Serial Number:		4. FAIR Number:	
2	27543-01		M-Part 468-12		SN4096		213A	
3	5. Part Revision Level:		6. Drawing Number:		7. Drawing Revision Level:		8. Additional Changes:	
4	1		576324		B		N/A	
5	9. Manufacturing Process Reference:		10. Organization Name:		11. Supplier Code:		12. Purchase Order Number:	
6	19523		Mitutoyo America Corporation		546-21		60813	
7	13. Detail Part:	X	14. Full FAI:	X	Partial FAI:			
8	Assembly FAI:		Baseline Part Number (Including revision level):		N/A			
9			Reason for Partial FAI:		N/A			
10	a) If above part number is a detail part only, go to field 20							
11	b) If above part number is an assembly, go to the "INDEX" section below.							
12	INDEX of part numbers or sub-assembly numbers required to make the assembly noted above.							
13	15. Part Number:		16. Part Name:		17. Part Serial Number:		18. FAIR Number:	
14	27434-12		Coupling 256-14		137-023		209A	
15								
16	19. Signature:	John Doe				20. Date:	09/08/2022	
17		X	FAI Complete		FAI Not Complete			
18	21. Reviewed By:	John Doe				22. Date:	09/12/2022	
19	23. Customer Approval:	John Doe				24. Date:	09/14/2022	



AEROSPACE INDUSTRY

AS9100 Conformance

AS9100 requires a great focus on establishing and complying with design requirements. MeasurLink[®] supports First article inspection view in Real-Time or Process Analyzer to provide a clear and concise approach for completing FAI reports that align with the AS9102 requirements. This feature includes forms 1, 2, and 3 with options to export to Excel or PDF and allows users to search first article inspection information and production data in one location.

Real-Time Professional 3D

MeasurLink® Real-Time Professional 3D Edition is designed for customers who wish to collect data using the Hoops 3D graphics view, in addition to all features offered by MeasurLink® Real-Time Professional Edition.

Hoops 3D files can be exported from most CAD systems and provides the operator with a real view of the part. Camera angle and position can be saved for each characteristic providing for an intuitive, prompted, guided sequencing for the inspector. Supported data sources include keyboard, RS232, and USB devices, native Mitutoyo integration (DDE) ASCII and QMD (xml-based) file import.

Additional Features & Benefits

✓ 3D View

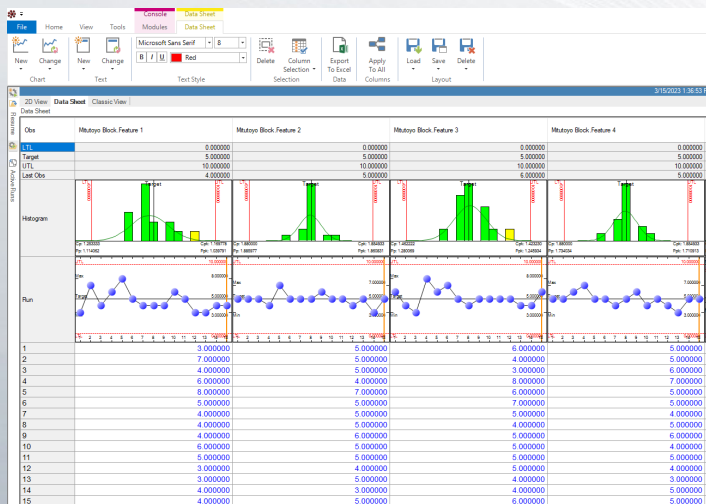
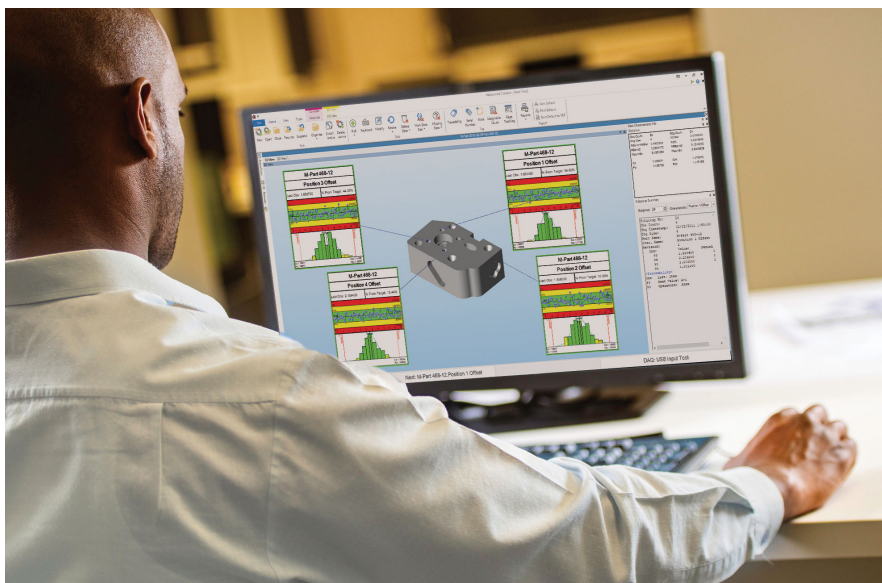
True three-dimensional model support with Hoops streaming files (*.HSF). Export your part's model from Catia, Solidworks or other CAD software and place callouts in the 3D space.

✓ Flexible Callout Design

Callouts provide part acceptability at a glance. You can design them the same way as the two-dimensional view to include charts or statistical information with the ability to size any element inside the callout.

✓ Guided Sequence

The display can automatically change during data collection to show the next or last observation point, providing a simple guided sequence for the inspection procedure. By saving a different view for each characteristic to be inspected, you can have the model rotate, pan or zoom to show the operator details of the part.



THE ADVANTAGES OF Observations

At the heart of any quality program is the collection of data. Whether through 100% inspection or a formal sampling plan, it is the observation data that drives all evaluations of conformance of "as manufactured" to "as designed" dimensions. Observation data drives the statistics, the control charts, the run charts, the histograms...everything.

Each observation measures one or more properties (such as size, location, weight, etc.) of observable characteristics distinguished as independent variables.

- ✓ The Observation Chart shows the actual data values, their data/time stamp, and the subgroup the data is in. The Data Sheet organizes the observations per characteristic. These windows provide the operator with easy editing (if allowed).

Process Analyzer Professional

Analyze data collected on all networked Real-Time stations in one place to identify problem areas, take corrective action, and improve the quality of your product. Inspection data can be merged, filtered, charted and printed to identify long term trends and identify root causes for process improvement.

Process Analyzer Professional Edition is designed for viewing and manipulation of Real-Time data in a networked environment. It enables Quality Engineering to slice and dice data in meaningful ways that contribute to quality control initiatives.

Features & Benefits

✓ Review Inspection Data

Analyze inspection data, view notes and traceability. Open data from different runs to compare the data and process behavior.

✓ Crystal Reports and Custom Reporting

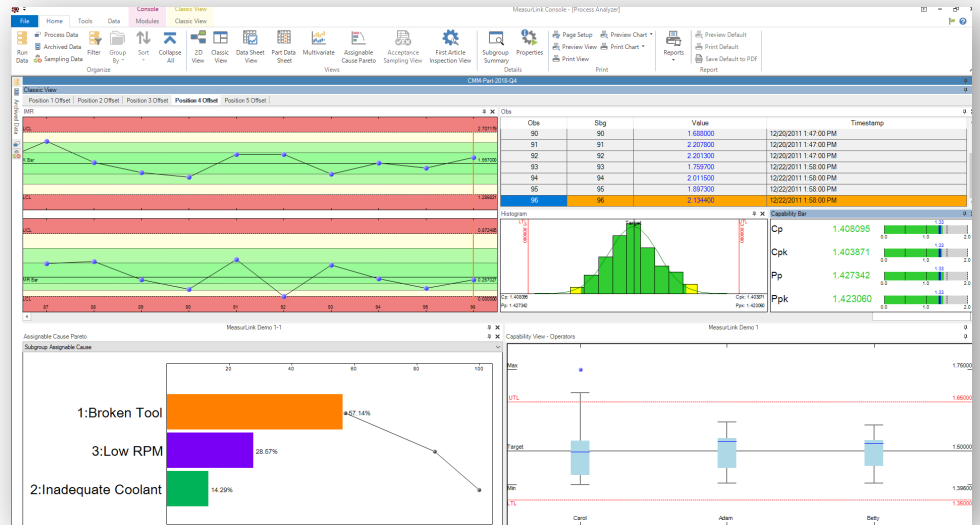
Create your own customized Crystal Reports for use with Part or Run data. Build report templates with company logos and free form text. Select and position chart types to customer specification.

✓ Advanced Filter

Easily filter for runs that meet your criteria. Choose your date range, Stations, Routines, failed data test, Traceability/Assignable Cause, Serial Number, note and more.

✓ Merge Data

Combine lot based or just-in-time collected data to get a bigger picture of process variation and production quality. One option available for merging is to align data by serial number.



✓ Support FDA Requirements

✓ Summary Analysis

✓ Reporting

✓ Scatter Plots

✓ Filter Data

✓ Compare Capability to Traceability



AUTOMOTIVE INDUSTRY

Continuous Improvement

Continuous Improvement activity is nonstop in automotive facilities locally and globally. Constantly improving your process will not only improve the quality of your products, it will also save you money. By having more efficient processes, customer satisfaction will also improve. Use MeasurLink[®] to:

- ✓ Reduce scrap
- ✓ Prevent non-conformities
- ✓ Reduce cycle time
- ✓ Improve tool life accuracy

Process Manager Professional

Monitor data as it is collected in Real-Time. Process Manager provides managers with the perfect tool to organize and maintain a shop-wide quality program at a glance. Display snapshot windows of characteristics that are currently being collected in MeasurLink® Real-Time. The data can be sorted by inspection station, capability or timestamp.

Easily see process information without walking from one inspection area to another by viewing current production across all machines. Show clients your quality operation for the entire facility.

Features & Benefits

✓ Log View

Designed to display information from multiple Stations in a grid. The user can select the type of events to be monitored e.g. failed out of tolerance test.

✓ Plant View

Allows users the highest level view of their shop floor processes. Callouts have a meaningful border color related to tests for capability that have been enabled in each routine's properties. Add image of your floor plan.

✓ Group and Search and Sort Data

View data by part, routine, station. Apply saved filters to data so you monitor only the data that you are responsible for. Supervisor can easily monitor the three stations in their cell.

✓ Manager View

Display a snapshot window of characteristics that are currently being collected in MeasurLink® Real-Time. The data can be sorted by Station, Capability or Timestamp.

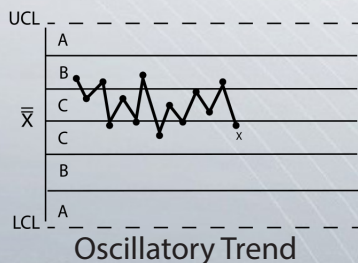
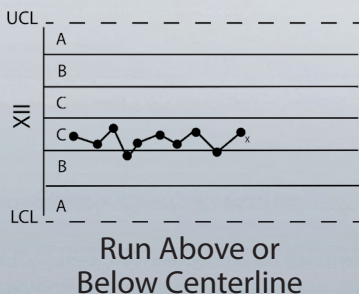
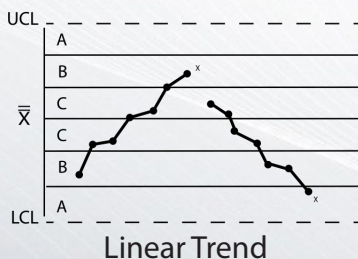
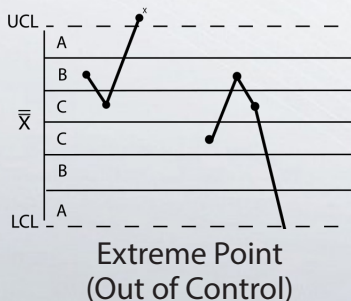


✓ Global Variable View

Display process capability across all operations in your plant.

✓ Remote Viewing

See what the operators see and what your customers will see before product is delivered.



THE ADVANTAGES OF

Statistical Data Tests

MeasurLink® can check data, as it is received, for statistical patterns that indicate a change in randomness. A change in randomness can indicate that the manufacturing process has changed from its initial settings. The initial settings are designed to create the best Part possible, so when the system deviates from the initial settings operators and engineers can be alerted to bring the process back to optimum performance.

Gage R&R

MeasurLink® Gage R&R is a collection of techniques whose purpose is to measure the capability of a measurement system for a measurement task.

Gage R&R results provide information about a measurement system's reproducibility, repeatability, location or stability. Graphical tools allow for isolation of gaging problems including inconsistencies in technique between operators or inspectors.

Features & Benefits

✓ Study Wizard

User guided study setup helps the user define the study that needs to be performed in order to determine the measurement system's capabilities. All elements required for the selected study to be completed are captured before the study is created, and the user is warned to provide any missing information before beginning the study.

✓ Direct Data Input

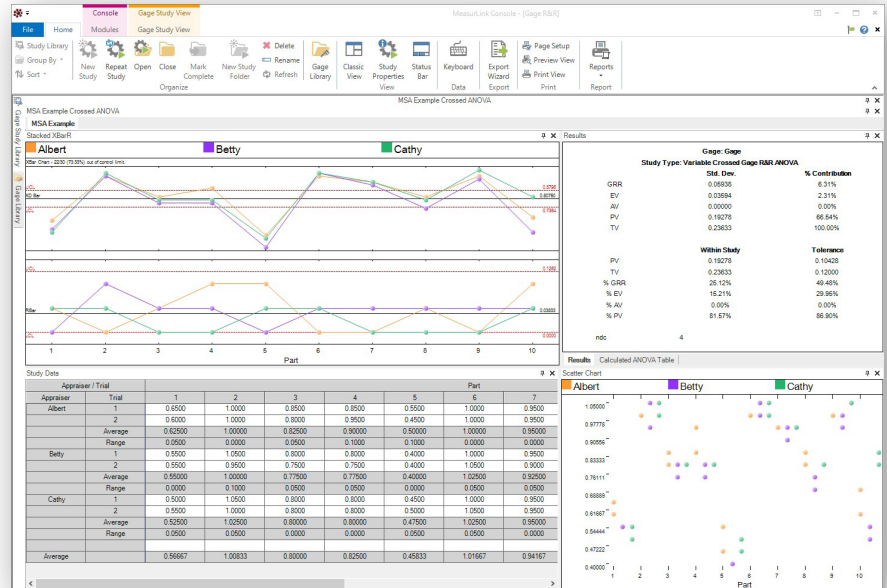
The data for the study can be collected directly from a gage connected to the system or transferred from Mitutoyo Coordinate Measuring Machines, Vision and Form Measuring Systems via native integration (DDE). Users can also key in their data.

✓ Organization

All studies in the database are visible and can be organized using different criteria.

✓ Randomized Collection Sequence

As recommended by the academic community, the collection sequence can be automatically randomized.



Traceability

Traceability is information about a part that is important, but not a measurement. This information can be collected and used as criteria for filtering the data.

- ✓ Serial Number, Lot Number, Customer, Invoice, Order Fixture, Machine Line, Material type, etc

MeasurLink has provided a wide array of traceability properties that can be customized to fully integrate the needs of the process. Assigning traceability gives the user expanded filtering and reporting options as well as the ability to provide greater granularity into root cause analysis.

Gage Management

Gage Management provides a method for maintaining, organizing and managing information about gages.

Information such as measurement specifications, calibration recall dates, Gage R&R dates and general event history is provided in an intuitive user interface with complete reporting abilities. Calibration procedure setup is easy and flexible.

Features & Benefits

✓ Gage Inventory

Establish calibration standard and gage inventory. Build metrology asset database. Includes vendor, tolerance, range, owner, serial number, model number, etc.

✓ Calibration Procedures

Generate calibration procedures with environmental conditions, instructions, gage block sequencing, etc.

✓ Calibration Recall Reports

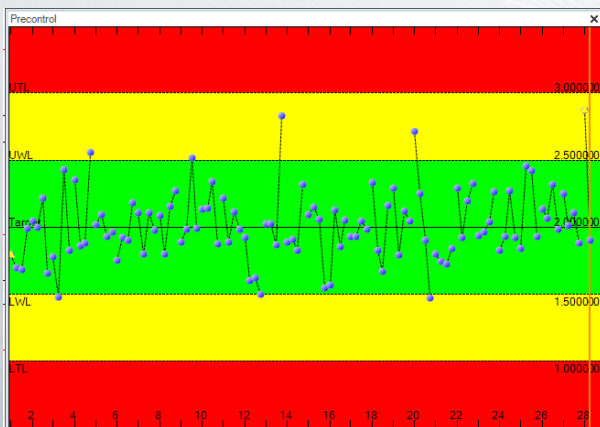
View calibration due date or overdue report to collect gages. Can be filtered based on various criteria.

✓ R&R Recall Reports

View Gage R&R due date or overdue report to collect gages. Can be filtered based on various criteria.

The screenshot displays the Mitutoyo Gage Management software interface. At the top, there is a 'Holidays' calendar view for the year 2015, with months from January to September visible. Below the calendar is a 'Scheduler' window for a specific gage, 'Mitutoyo 504-500-196-20'. It shows scheduling options like 'Repeating' (None, Hourly, Daily, Weekly, Monthly, Yearly) and 'Repeats On' (Monday through Sunday). A 'Preliminary Instructions and Notes' section is visible, containing several bullet points about calibration environment and cleanliness. Below that is a 'Detailed Procedure' section with a list of steps and checkboxes. At the bottom right, there is a table for recording measurements in a data grid.

Result	Standard ID	Units	(+) Tolerance	Standard Size	(-) Tolerance	Data
				1.000000		
				3.000000		
				4.000000		
				6.000000		



THE ADVANTAGES OF Run Charts

In many cases it is a good idea to start out by charting a process with this tool before applying a more powerful control chart. It will allow the user to remove inconsistencies that occur over time. A control chart might obscure some important information by averaging it out. The pre-control chart uses a technique known as "Stop Light Gaging" or "Zone Pre-Control".

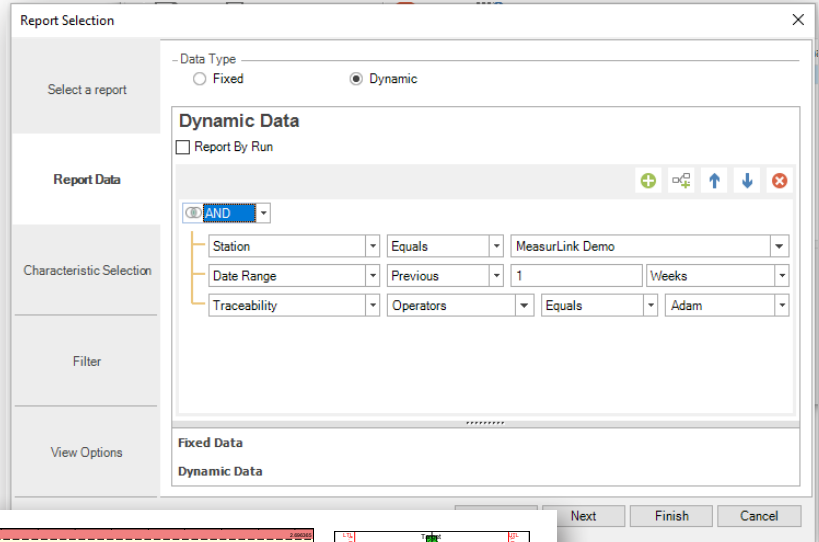
- ✓ The green zone prompts the user to continue the run (within tolerance state) with the acceptable observations that fall within this region.
- ✓ The yellow zone prompts the operator to use caution (near out of tolerance state) and look for possible problem causes.
- ✓ The red zone prompts the operator to stop the run (out of tolerance state) and determine the cause before starting the process again.

Report Scheduler

Report Scheduler is a tool that provides automated report distribution. A great time time-saver for engineers, create reporting tasks that will run on a given schedule.

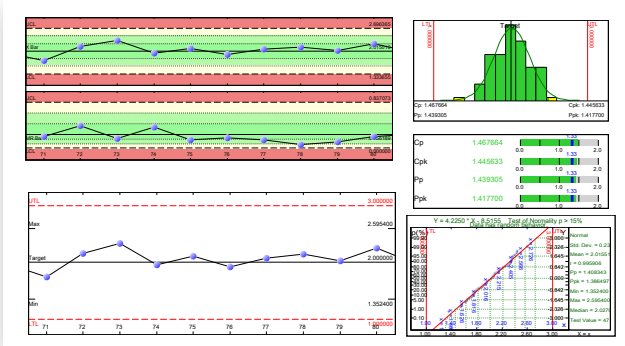
The dynamic data reporting offers advanced filtering that can report on all data collected during a specified date range. A user can select which part numbers or batches they would like to report on before the measurement data exists. When the filter criteria is satisfied, users can receive a report with their analysis automatically, drastically saving them time from manually searching for and analyzing data.

For example, a user can schedule a report to run each weekend so Monday morning there will be a report on all runs added the previous week.



Features & Benefits

- ✓ Ability to report on multiple runs across separate stations, parts, and routines based on filter criteria
- ✓ Assign Reporting Schedule
- ✓ Choose Report Destination
- ✓ Supports Crystal Reports and MeasurLink Reports



MEDICAL INDUSTRY

FDA Compliance

FDA 21 CFR Part 11 applies to drug makers, medical device manufacturers, biotech and other FDA-regulated industries. It requires manufacturers implement controls including audits, system validations, audit trails, electronic signatures, and documentation for software and systems involved in processing the electronic data. MeasurLink[®] implements strong support for these requirements. Some of the tools used in FDA 21 CFR Part 11 Compliance are:

- ✓ Electronic signatures
- ✓ Audit trails
- ✓ Unique users and login credentials
- ✓ Support for software validation

Collection Scheduler

Keep critical measurements on track with MeasurLink Collection Scheduler. Designed for customers that manufacture and measure on a timed measurement schedule, Collection Scheduler works in conjunction with any Real-Time edition to alert operators when the next measurement is due with a colorful Andon display and timer. The perfect tool to keep measurements on-time for operators running multiple machines or jobs, the Collection Scheduler timer will reset as soon as measurements have been taken in Real-Time.

Supervisors can receive email alerts when measurements miss their assigned schedule or simply keep an eye on the entire shop-floor schedule using Process Manager's new Collection Scheduler view.

Features & Benefits

✓ Colorful Andon Display

Run tiles turn red or yellow if schedules are due or about to be due to help operators easily recognize when measurements need to occur.

✓ Customized Schedules

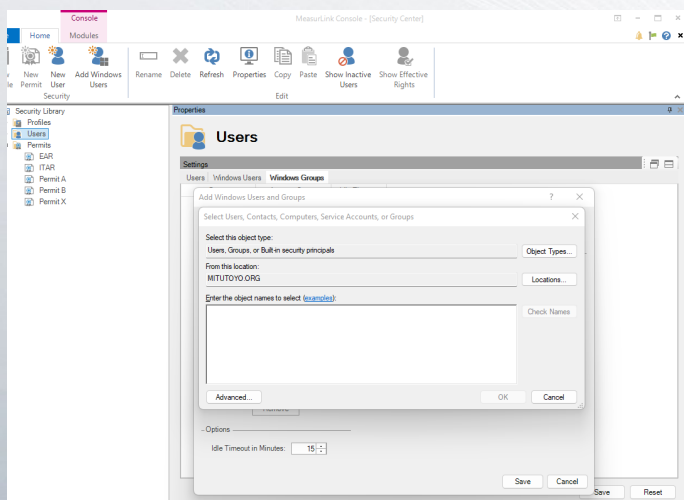
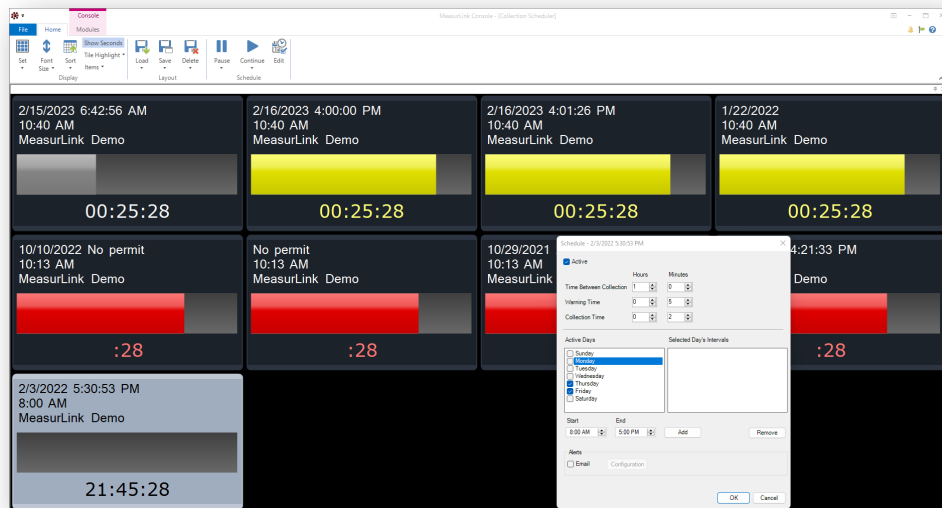
Set schedules for each day or shift to suit organizational needs.

✓ Auto-switch between modules

Select the run due for measurement and automatically launch it in Real-Time. Suspend the run and automatically return to Collection Scheduler for easy operation.

✓ Customizable Layout

Set the size and layout of the run tiles to make easy identification when managing multiple runs.



Security Center

Security Center will help manage the internal user community within the MeasurLink® system. This module provides a simple and efficient method to manage user permissions.

Windows Active Directory Support

Support for Windows users and groups is available and with single sign-on capabilities, an authorized user will have the proper rights just by logging in to the computer and launching MeasurLink.

Permits

Control access to sensitive part information at a user or windows user level.

Product Licensing

Mitutoyo is pleased to offer MeasurLink without the need to purchase annual maintenance agreements. Mitutoyo offers different licensing options to support a variety of needs. Start small, go big, or anywhere in between! Workgroups are discounted packages for multi-license purchases.

Licensing Options*

✓ Workgroup License

Mix and match any licensed module to form a bundled package for increased flexibility and reduced cost-of-ownership. Workgroups come in packages of 5, 10, 15 and 30. (Real-Time Professional 3D is not included).

✓ Floating Licence Authorization

For network licensing, add the floating license authorization to a workgroup. The number of licenses purchased can be shared with anyone on the network and can use any and all modules (RTP-3D is not included). Floating license authorization is required for cloud or terminal server environments.

✓ Single Floating License

A single-floating license, no add-on required. Use any module and share with anyone on the network.

✓ Standalone Licence

Any Real-Time Edition can be used on a single station to test a pilot cell, solve a specific application or monitor a critical line. The Gage R&R module can be used on a standalone station to perform Gage R&R tests. Track gage inventory and calibration schedules with the Gage Management module.

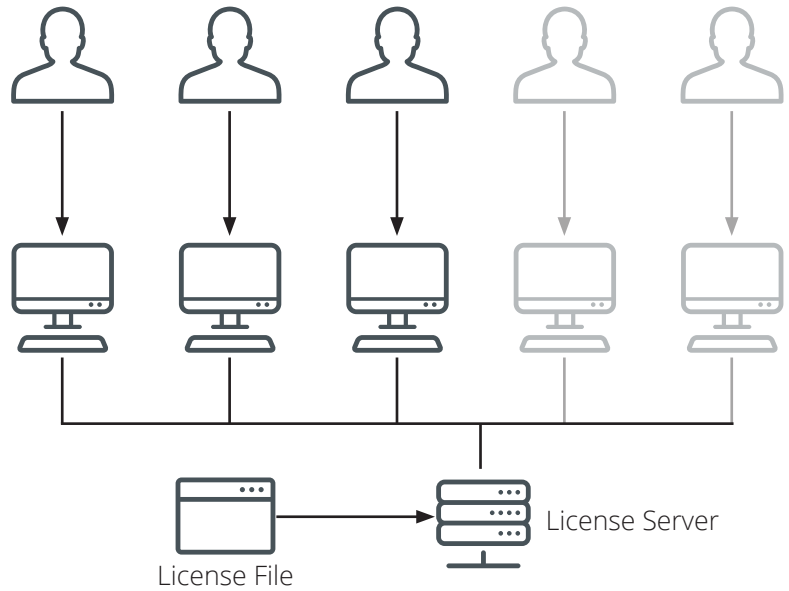
✓ Academic Licence

Mitutoyo is committed to Research and Development and Workforce Training and promotes the use of MeasurLink[®] in Research and Educational institutions with discounted packages.

*Collection Scheduler included with any Real-Time edition

Floating License Server

5 license example: 3 users logged in, 2 still available
Part numbers: 64AAB847 and 64AAB847F



*Support Center and Security Center are included with any license purchase



PLASTICS INDUSTRY

Analysis of Measurement Data

Measurement data is only useful if it can be found when it is needed. Manufacturers need instant access to data regardless of when or where it was measured. MeasurLink[®] Process Analyzer meets the analytical and reporting needs of manufacturers.

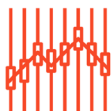
- ✓ Filter data by traceability items
- ✓ Merge data from other Lots or processes
- ✓ Generate reports on current or historical data
- ✓ Summary reports allow complex review of large amounts of data
- ✓ Multivariate charting allows analysis of correlation
- ✓ Access data from any workstation in system, across the room or anywhere on your network

MeasurLink® 10

Description	Part Number			
	New Purchase	Version Upgrade	Floating Authorization	Floating Upgrade
MeasurLink V10 Real-Time Standard Edition	64AAB836	64AAB836-U	N/A	N/A
MeasurLink V10 Real-Time Professional Edition	64AAB837	64AAB837-U	N/A	N/A
MeasurLink V10 Real-Time Professional 3D Edition	64AAB838	64AAB838-U	N/A	N/A
MeasurLink V10 Single Floating License	64AAB855F	N/A	N/A	N/A

License Packages

MeasurLink V10 Workgroup 5 License Package	64AAB847	64AAB847-U	64AAB847F	64AAB847F-U
MeasurLink V10 Workgroup 10 License Package	64AAB846	64AAB846-U	64AAB846F	64AAB846F-U
MeasurLink V10 Workgroup 15 License Package	64AAB844	64AAB844-U	64AAB844F	64AAB844F-U
MeasurLink V10 Site License 30 License Package	64AAB843	64AAB843-U	64AAB843F	64AAB843F-U
MeasurLink V10 Academic 20 License Package	64AAB848	64AAB848-U	64AAB854F	64AAB854F-U



Real-Time Standard



Real-Time Professional



Real-Time Professional 3D



Process Analyzer



Support Center



COLLECT
UNIFY
ANALYZE
VISUALIZE



Process Manager



Gage R&R



Gage Management



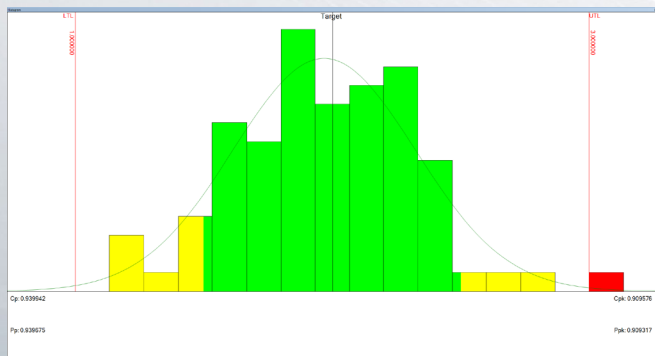
Report Scheduler



Security Center



Real-Time Professional



THE ADVANTAGES OF

Histograms

The histogram is not a chart, it is a frequency distribution. The histogram is the most popular frequency distribution method in use today.

Coupled with specification limits, it can tell the operator a lot about a process. The histogram gets its name from the fact that it displays historical information. The frequency distribution is plotted as side by side columns, each having equal width.

The frequency histogram is a very effective graphical and easily interpreted method for summarizing the collected data and shows the dispersion of the process. It provides information about: the average (mean) of the data, the variation present in the data, the pattern of variation and whether the process is within specifications.

Database Management System (DBMS) Requirements

MeasurLink® 10 ships with Microsoft® SQL Server Express Edition 2019. This edition can be used to support a standalone or multi-machine workgroup installation. We recommend 5 licenses or fewer when using SQL Server Express).

MeasurLink® supports the following Microsoft® SQL Server versions:

- Microsoft® SQL Server 2022 Standard Edition
- Microsoft® SQL Server 2022 Enterprise Edition
- Microsoft® SQL Server 2019 Standard Edition
- Microsoft® SQL Server 2019 Enterprise Edition
- Microsoft® SQL Server 2017 Standard Edition
- Microsoft® SQL Server 2017 Enterprise Edition
- Microsoft® SQL Server 2016 Standard Edition
- Microsoft® SQL Server 2016 Enterprise Edition

Operating System Requirements

All MeasurLink® 10 products are supported on the following Microsoft® Windows

Operating System versions:

- All Windows® 10 versions (not including Mobile and IoT versions)
- All Windows® 11 versions (not including IoT versions)
- 64-bit operating systems required

Hardware Requirements

These requirements are the minimum for the Windows® OS and may not provide optimum performance. In general, the more powerful the PC, the faster the response times!



MeasurLink®
An Integrated Solution for Quality Data Management

Please visit us at www.measurLink.com
for additional information.



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.

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