

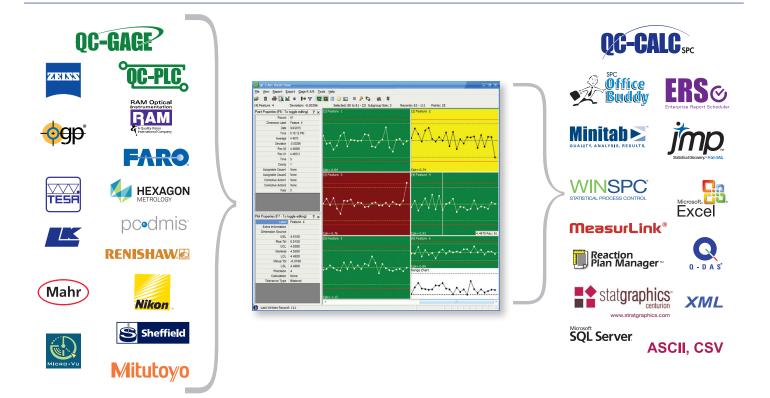
Introduction

QC-CALC Real-Time is used to collect and display measurement results from all CMMs, Video CMMs, and hand gages without operator intervention. Reports can be created and data can be exported to spreadsheets, databases, and other SPC programs. This means you can transfer data from all of your measurement devices to any SPC package using one program!

Our goal is to make data collection seamless regardless of the equipment purchased or software used.

Key Benefits

- Fully automatic data collection from over 200 types of machines
- View up to 1200 live plots (characteristics) while collecting data for many more
- Manual and automatic export capability to over 40 different output formats
- Manual and automatic report generation
- 21 CFR Part 11 compliance
- Trend detection with email alerts
- Dynamic filtering of characteristics
- Multiple gage output combined into one screen (MultiSource)
- True Position Charting with 2D position charts
- Flexible plots support I&MR, XBar & Range, Scatter, Whisker, and True Position Plots



Pinpoint On-Screen Information

The plots are interactive and can be interrogated for information and statistics using the mouse to target specific or multiple points.

Trend Analysis

The process can be monitored and reports automatically triggered as trends in the data occur. Operators can then be forced to assign causes and corrective actions.

Quick Stats

Calculations are updated in the Quick Stats panel instantly as points are highlighted and as the mouse moves from plot to plot.

Exporting

Data can be exported either manually or automatically by part interval to over 40 different output formats.

Reporting

Reports can be printed either manually or automatically by part interval or by exception event. Reports can be printed to the printer, preview, or any of several output file formats such as PDF. Reports can also easily be attached to emails allowing QC-CALC to notify the appropriate personnel when the process moves outside control, specification, or configurable limits.

Manual Input Screen

In addition to data collected from automatic inspection equipment, QC-CALC can prompt inspectors for additional measurements or trace data not available from the gage.

Assignable Causes

Indicate assignable cause variance by right-clicking on the plots and assigning a cause to your part.

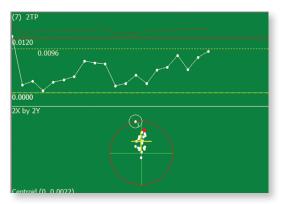


Record Filtering

Quickly display and report on the data needed at the moment. Dynamic record filtering allows the filter to change automatically based on the part or user input just received.

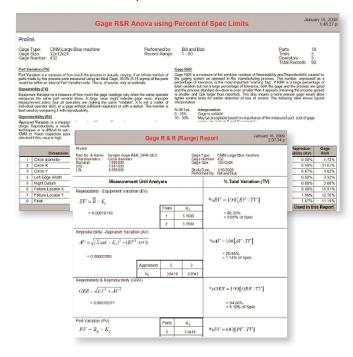
Live True Position Charts

Relationships can be created between the X, Y, Diameter, and True Position data coming from the inspection equipment to create a stacked true position plot. This unique chart depicts the true position with calculated MMC bonus in the top half and the 2D position relative to specification limits in the bottom half. The Cpk and centroid are also calculated and displayed for informational purposes.



Gage R&R Wizard

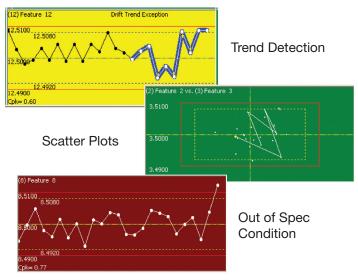
Inspection data is useless without first proving the reliability of the measurement system being used. A Gage Repeatability and Reproducibility (GR&R) study doesn't have to be a painful process. QC-CALC's Gage R&R Wizard guides users through the setup process, warns of potential problems, and analyzes the results via customizable reports.



Characteristic Filtering

Reduce on-screen clutter to quickly identify only the most critical features.

Plot Types



Trace Fields

A maximum of 60 additional trace fields can be captured in addition to the measurement data. This allows for more granular filtering when problems occur.

21 CFR Part 11

The control of inspection information as it applies to the medical industry is defined by FDA title 21 Code of Federal Regulations (21 CFR Part 11). QC-CALC's data collection, storage, and reporting adhere to this important standard. This option can be disabled for industries not requiring such strict control.

		Da	ta Integri	ity Repo	rt		Printed on January 27, 20
olink							
ample	Part.Qcc						
spectio		de to the raw QC-CALC e documented and inclu ige occurred.	de the record c to s	reate a record filter to see all changes ma	reduce this rep de for a particu	ort. For exam lar day or rar	nber, or other condition, plea ple, you can create a date fil nge of days. Likewise, you c report for one part. See filteri
spectio	n data. All changes ar user, and reason the char Date	e documented and inclu ige occurred. Action	de the record control so d Feature or	reate a record filter to o see all changes ma earch for a particular ata for more details. Old Value	reduce this rep de for a particu	ort. For exam lar day or rar	ple, you can create a date fil nge of days. Likewise, you c
spectio umber,	n data. All changes ar user, and reason the char	e documented and inclu ige occurred.	de the record co to s d	reate a record filter to o see all changes ma earch for a particular ata for more details.	reduce this rep de for a particu serial number a	ort. For exam lar day or rar ind create a r	ple, you can create a date fil nge of days. Likewise, you c report for one part. See filteri
spectio umber,	n data. All changes ar user, and reason the char Date	e documented and inclu ige occurred. Action	de the record control so d Feature or	reate a record filter to o see all changes ma earch for a particular ata for more details. Old Value	reduce this rep de for a particu serial number a	ort. For exam lar day or rar ind create a r User	ple, you can create a date fil nge of days. Likewise, you c report for one part. See filteri
spectio imber, Rec	n data. All changes ar user, and reason the char Date Performed	e documented and inclu ige occurred. Action Performed	de the record ci to s d Feature or Document Location	reate a record filter to o see all changes ma earch for a particular ata for more details. Old Value or Action ID	reduce this rep de for a particu serial number a New Value 1.5000	ort. For exam lar day or rar ind create a r User	ple, you can create a date fil nge of days. Likewise, you c report for one part. See filteri Reason
Rec	n data. All changes ar user, and reason the char Date Performed 12/12/2008 1:28:29 PM	e documented and inclu ge occurred. Action Performed Dimension 1	de the record ca ta s d Feature or Document Location Feature 1	reate a record filter to o see all changes ma earch for a particular ata for more details. Old Value or Action ID	reduce this rep de for a particu serial number a New Value 1.5000	ort. For exam lar day or rar ind create a r User Bruce Bruce	ple, you can create a date fil nge of days. Likewise, you c report for one part. See filteri Reason Bad measurement
Rec 4 9	n data. All changes ar user, and reason the char Date Performed 12/12/2008 1.28:29 PM 12/17/2008 1.29:01 PM	e documented and inclu ige occurred. Action Performed Dimension 1 NumFactor 1	de the record control so d Feature or Document Location Feature 1 Cavity	reate a record filter to o see all changes ma earch for a particular ata for more details. Old Value or Action ID 1.4986 1	reduce this rep de for a particu serial number a New Value 1.5000 2	ort. For exam lar day or rar ind create a r User Bruce Bruce Bruce Bruce	ple, you can create a date fil nge of days. Likewise, you c report for one part. See filteri Reason Bad measurement Remeasured Part

Add Pictures to Each Characteristic

A picture can be added to each characteristic to give more meaning to the plot data.

