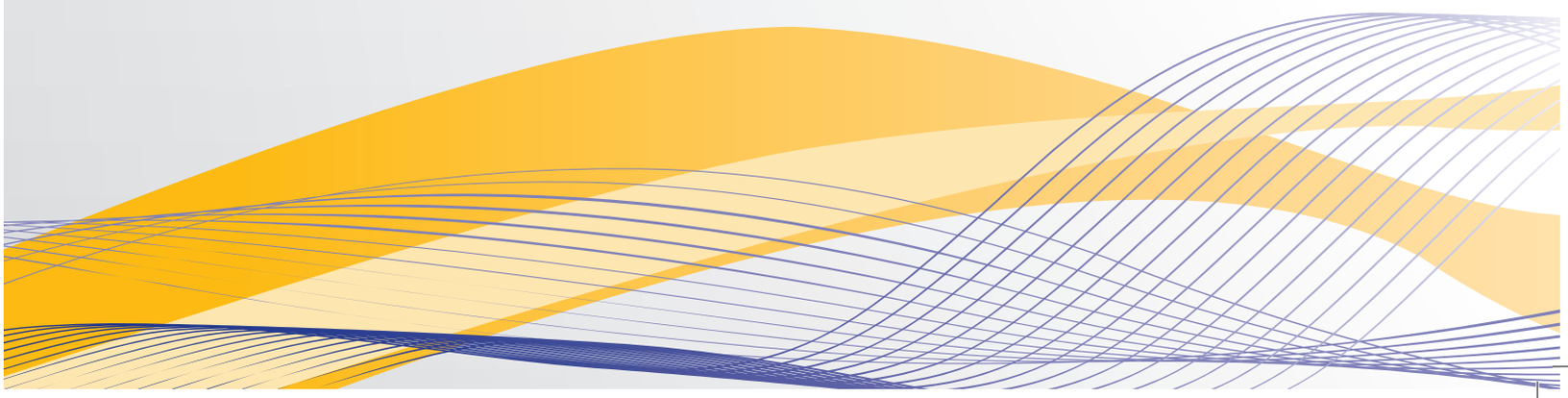
Prolink

DATA COLLECTION/ANALYSIS SOFTWARE

PRODUCT CATALOG



Prolink Software Solutions

Prolink offers an entire suite of software solutions to address and automate the data collection and quality analysis tasks performed throughout your organization. As depicted below, the collected data can then be shared at each level of your organization using our various software tools. The diagram and brief summary explains how each program fits into the big picture. Each color-coded level in the diagram has a corresponding colored data sheet providing the detail and key benefits of the product described.

Enterprise Report Scheduler™ - ERS

The Enterprise Report Scheduler provides high-level summary reporting at the factory or corporate level. Reports can be scheduled at regular intervals to compare the quality capability across departments, plants, and multiple locations.

QC-CALC® SPC

QC-CALC SPC is our comprehensive statistical process control application designed to monitor, manage, analyze, and report the results of your inspection data right from your desktop.

SPC Office Buddy™

Although QC-CALC SPC is our main QA analysis tool, the SPC Office Buddy provides a fast and easy method of moving your data directly into Minitab®, JMP®, and Excel. Integrating with external programs allows employees to leverage existing software purchases and streamlines acceptance within your organization.

QC-CALC® Real-Time

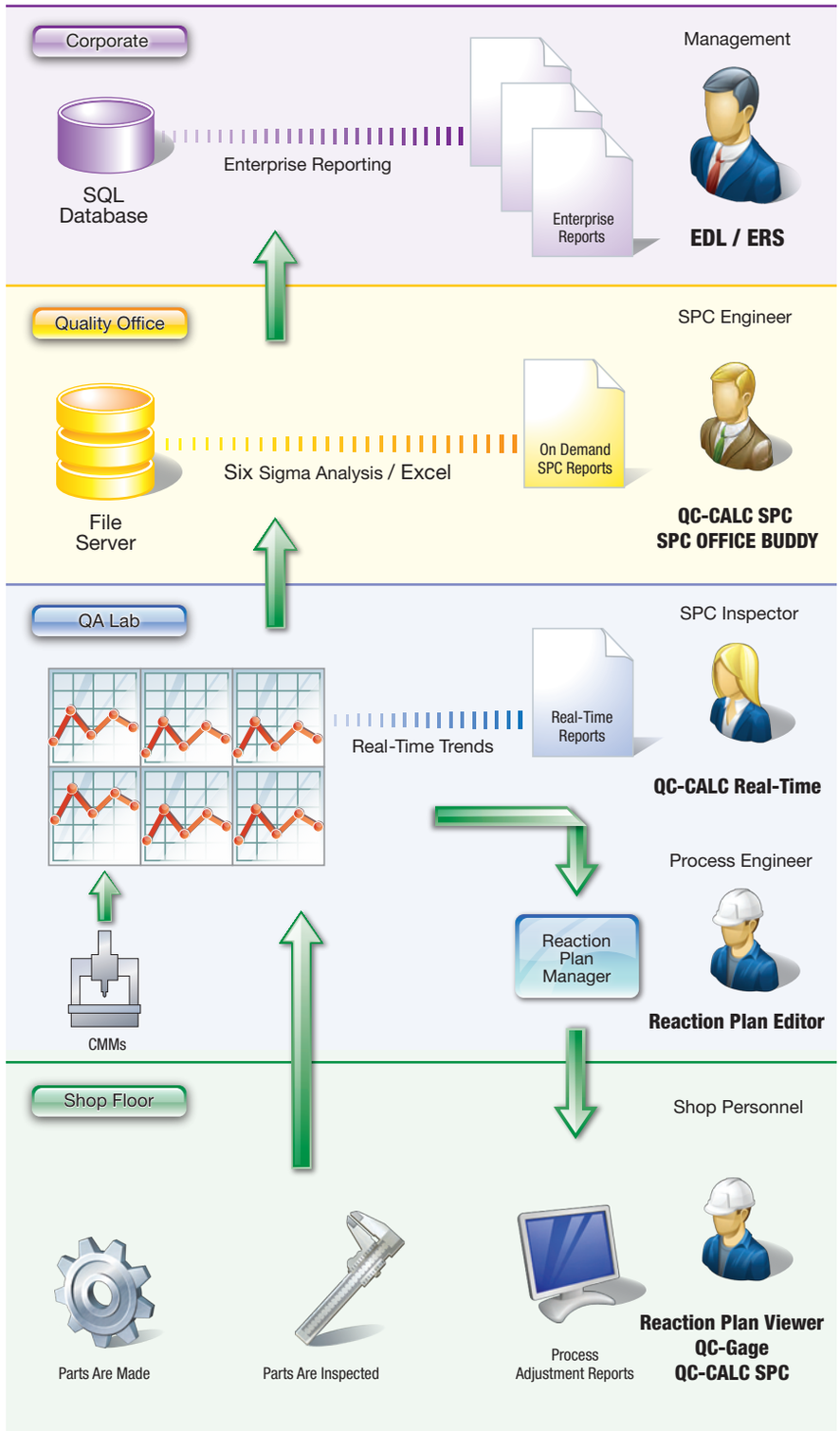
Written in 1983, QC-CALC Real-Time is at the heart of Prolink's software suite since it is the central hub of all data collection. This stand-alone program is required by most companies since it collects, analyzes, and reports the inspection results.

Reaction Plan Manager™ (RPM)

This ground breaking software package provides productivity tools beyond SPC. It allows you to combine measurement data with engineering knowledge to produce very specific operator instructions used for machine adjustments.

QC-Gage®

QC-Gage is designed to collect inspection data directly from electronic gages or operator typed values.



QC-CALC SPC

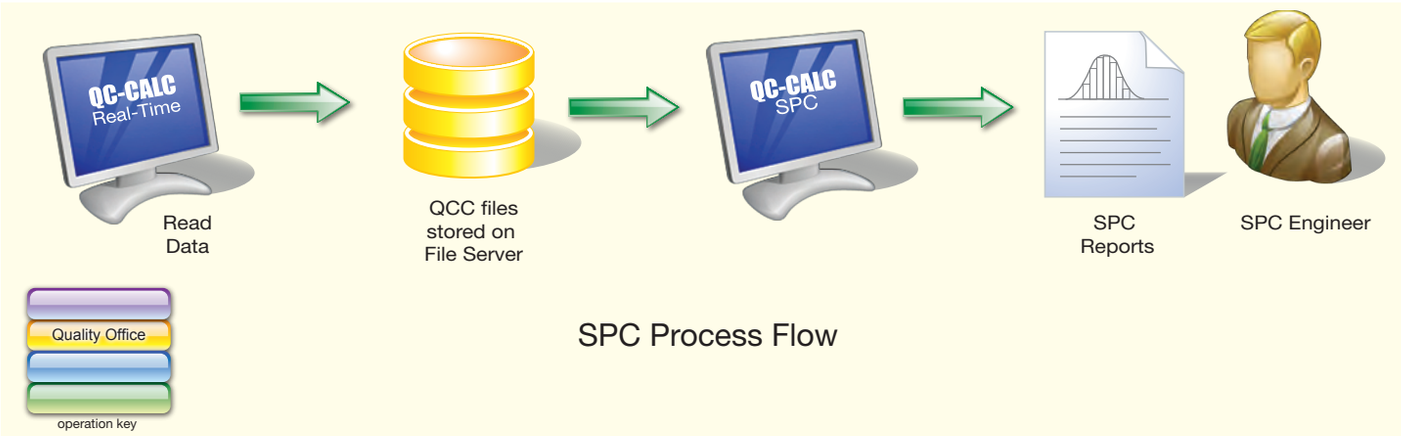
Introduction

QC-CALC SPC is a complete SPC package that analyzes the data collected by QC-CALC Real-Time. Use QC-CALC SPC's charts and reports to constantly monitor your process and keep it in control.

QC-CALC SPC offers a wide variety of charts and functions to aid your analysis and give you the power to make on-the-spot decisions. In seconds, QC-CALC SPC gives you a precise picture of how your production line is performing with easy-to-use menus.

Key Benefits

- Control charts
- Process capability charts
- Attribute charts
- Ability to print reports direct to PDF
- Ability to email reports
- 21 CFR Part 11 compliant
- Record and Dimension filtering
- Remote Real-Time monitoring capability
- Multiple database grouping capability
- Built-in report designer
- Built-in password protection



SPC Process Flow

How it Works

QC-CALC Real-Time reads CMM and gage data and saves it to the network database making the results available to QC-CALC SPC. QC-CALC SPC opens the same database from your office or other remote location. As data is collected, your SPC plots are continuously updated to show you live results from the shop floor. QC-CALC SPC can then filter the data and run charts and reports giving you full control.

Reporting

Reporting in QC-CALC SPC allows you to analyze the data and print your charts to a printer, print preview, or to a file. The following report types are available:

Control Charts

- Xbar & Range
- Xbar & Sigma
- Median & Range
- Individual & Range
- Individual & Moving Range
- Moving Avg. & Range
- Bivariate Analysis Report

Process Charts

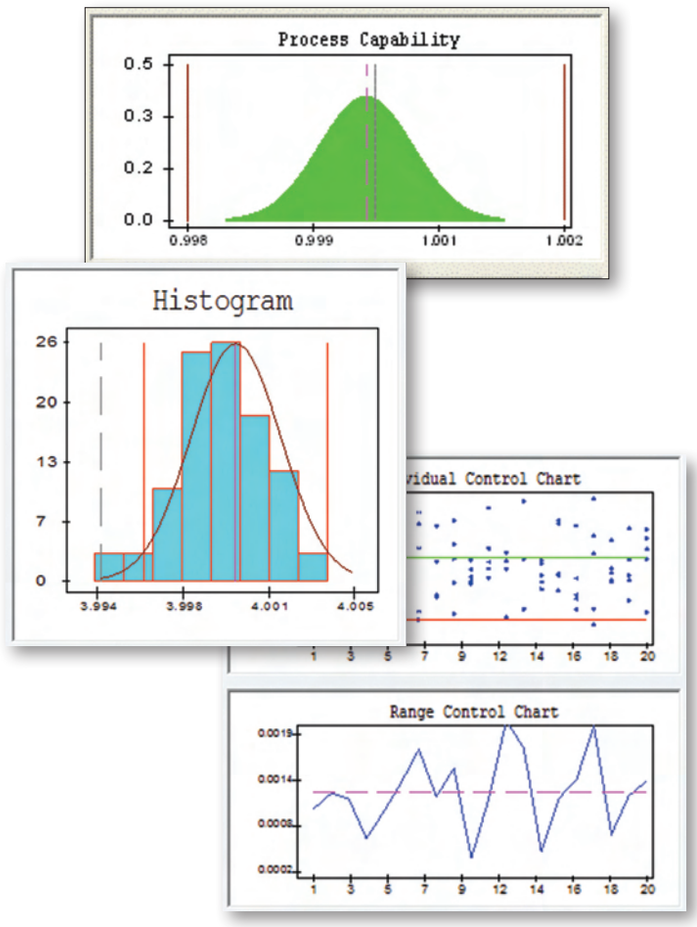
- Process Capability (Cpk)
- Probability Plot
- Pareto Analysis
- Correlation & Regression
- Raw Data w/Outlier Detect
- Histogram Analysis

Attribute Charts

- P Chart
- Np Chart
- C Chart
- U Chart

Miscellaneous Reports

- Statistical Summary
- Raw Data
- First Article
- Non-Conformance
- Gage R&R (Range and ANOVA)
- 21 CFR Part 11 Audit Report



QC-CALC SPC

Report Formats

The Real-Time and SPC Reports can be printed to the following file formats:

- PDF
- PDF (signed electronic)
- Rich Text Format (RTF)
- Excel
- Excel Table
- XML
- HTML
- Metafile (EMF) Enhanced
- MIME HTML
- Multi-MIME HTML
- Bitmap (BMP)
- JPEG
- TIFF
- Text

Monitoring

Monitoring allows you to watch the data live on one computer as parts are being inspected on another. As your CMM runs, QC-CALC Real-Time is updating its live screens while QC-CALC SPC displays the same data in another location. This means you have the ability to see the condition of your inspected parts in real-time from your office or even at the machining center. You can monitor a single file, a group of files, or the inspection machine itself. You can also choose to view the data in either live plots or in spreadsheet form.

Dimension Filtering

Dimension filtering allows you to create and save different combinations of dimension filters providing a quick view of critical features. Dynamic dimension filtering allows you to see only features that are trending, out of specification, or out of control.

Trace Fields

Extra non-measurement data values are automatically added from the inspection machine and available for live filtering.

Record Filtering

Record filtering allows you to quickly show and report on just the data you need at the moment. Dynamic filtering allows the displayed values to change automatically based on the part just received.

Grouping

If you've ever inspected parts using CMMs, Video CMMs, or hand gages, you understand the problems associated with creating a concise summary report from multiple data sources. Grouping allows you to open multiple files at the same time to create a full report across inspection equipment. Each file can be displayed in a grid or as plots similar to QC-CALC Real-Time.

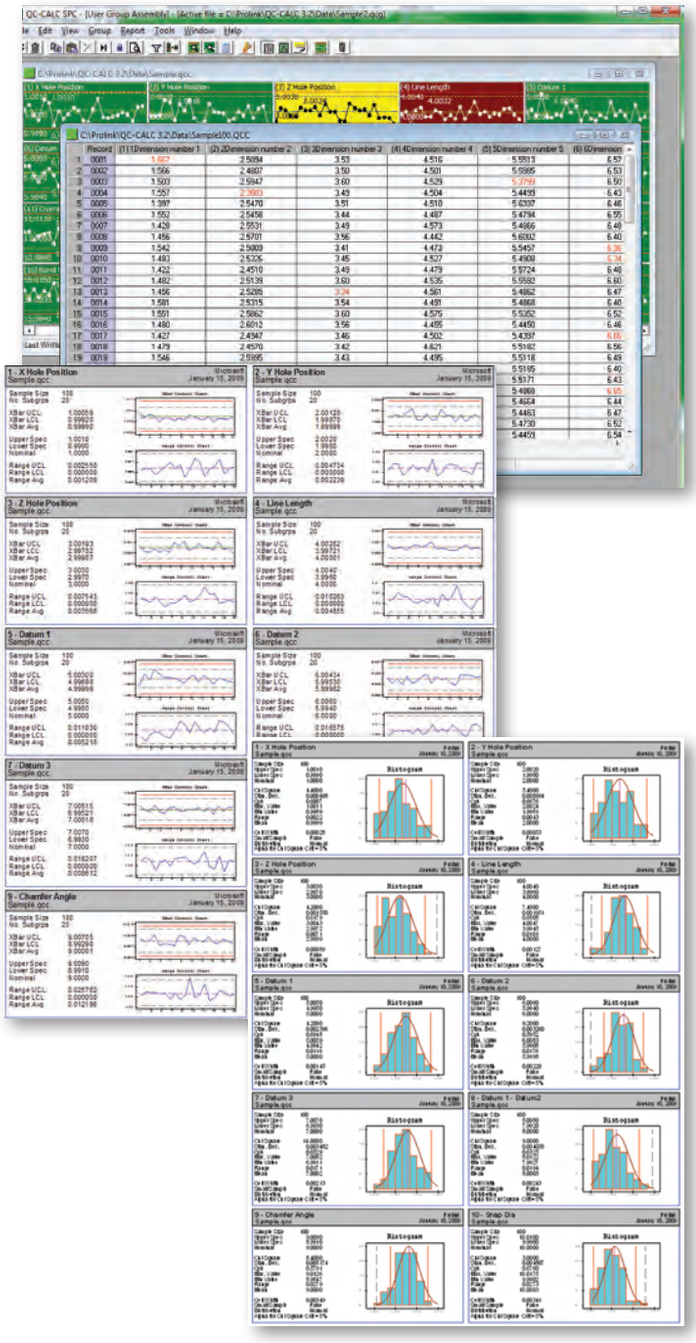
21 CFR Part 11 Compliant

The features that make QC-CALC so flexible can be controlled using the built-in Administrative Tool to guarantee total control of changes. This system includes an audit report showing all password protected changes.

Database Maintenance

The basic database maintenance functions included with the software are:

- Merge
- Purge
- Compact (Removes deleted records)
- Restructuring the database



Please download a 30-day trial version from our website and try it out!

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Prolink Miscellaneous Software and Features

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. Although this option has seen an increase in use by industries other than medical, it can be disabled for industries not requiring such strict control.

Part 11 Trackable Changes

QC-CALC's password protected audit functionality automatically triggers when there are:

- Changes to the measured value
- Changes to the measure date or time
- Changes to the number of fails count
- Changes to the name of any factor (non-measurement trace field)
- Changes to the value of any factor (non-measurement trace field)
- Deletions/undeletions of individual points
- Deletions/undeletions of records (parts)
- Remeasurements of a part.
- Additions, removals, or display order changes of assignable causes
- Additions, removals, or display order changes of corrective actions
- Print actions of a signed report

Part 11 LDAP

QC-CALC optionally operates within your Lightweight Directory Access Protocol (LDAP) system where all user accounts and passwords are stored at the company level and are administered by the IT department.

Administrative Tools

Historically, QC-CALC has been used within an individual inspection machine as a single copy of software with individual settings. As modern inspection devices have been increasingly placed on the internal network, there is now a greater need to share the individual settings across multiple PCs.

The Administrative Tool was created to do just that. It centrally controls the settings and privileges of the individual copies of QC-CALC running throughout the shop. Through the creation of groups, administrators can define which copies have access to the various settings and functionality in QC-CALC. These settings can easily be changed from any of the participating copies of QC-CALC with the use of an administrative password.

Maintenance Plans

Annual Maintenance Plans are optional maintenance agreements that you purchase with your products and are priced based on the amount of software you currently own. Maintenance Plans include both upgrades to our products as well as premium support via email, our website, or the phone.

Upgrades

While a Maintenance Plan is in effect, you are entitled to any number of FREE upgrades to your products. Upgrades are defined as changes to the major or minor version number and are enhancements to the software (i.e. switching from version 3.0 to 3.1 or from 3.0 to 4.0).

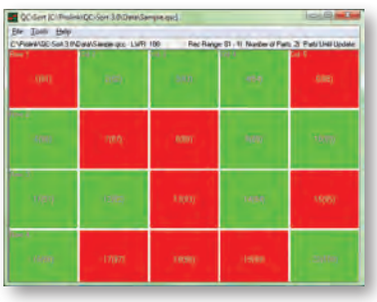
Support

While a Maintenance Plan is in effect, you receive premium support for all of your products including phone, email, and website support. Without a Maintenance Plan in effect, you may purchase premium support calls via our website.

NOTE: Email and website support are always FREE regardless of whether or not you have a Maintenance Plan.

QC-SORT

This nonstatistical application is used in conjunction with QC-CALC Real-Time to quickly identify bad parts on a multiple-part inspection fixture. QC-Sort makes it easy for your operators to remove problem parts from the fixture by using color coded squares to identify the bad parts. QC-Sort is adjustable and easily configured to display the physical layout of your parts as they are fixtured.



It does not matter how many features are inspected. If any feature on a part is out of specification, that part is considered a bad part. QC-Sort displays the corresponding rectangle for that part in red. All good parts are displayed in green.

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