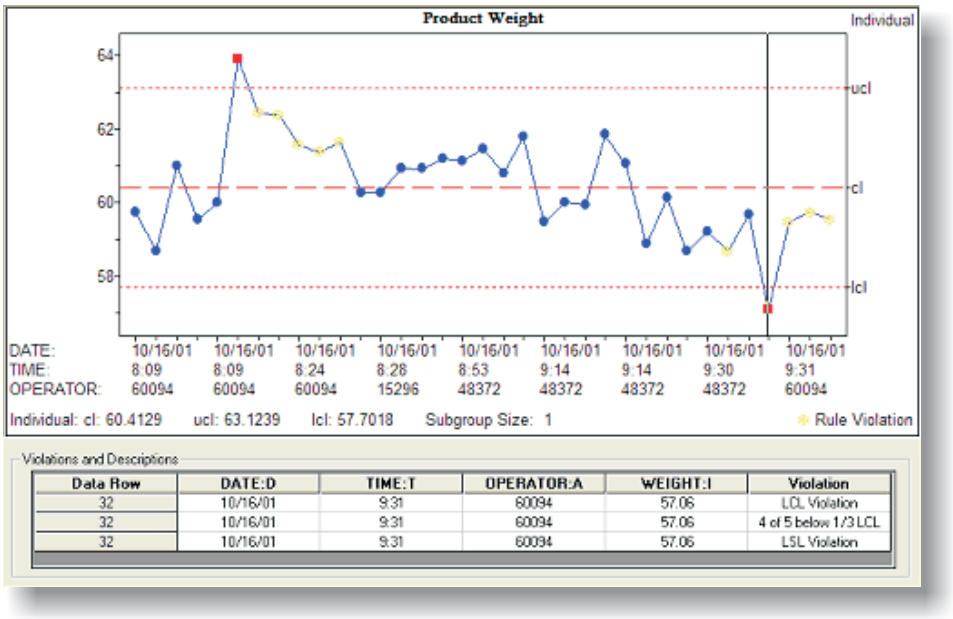
NWA QAx®

ActiveX components for embedded real-time SPC charting and analysis



- **ActiveX-based SPC for the applications developer and systems integrator**
- **Easily embed SPC within other software applications**
- **Comprehensive SPC charting and Process Capability analysis**
- **Configurability of NWA Quality Analyst**
- **Complete SPC graphics, statistical results, and exception reports**
- **Easy to implement and maintain**

Product Overview

NWA QAx® is the leading ActiveX-based solution when you need statistical process control (SPC) charting for product development and systems integration projects. With NWA QAx you can provide the SPC charting and analysis capabilities of NWA Quality Analyst embedded in your application.

NWA QAx is a complete SPC software development tool kit. It allows you to embed ActiveX-based SPC technology into your application and supply a user interface that matches your users' needs and the rest of your application's look-and-feel. The NWA QAx controls provide statistical results, graphics displays, and lists of alarms and exceptions. The graphical display supports click-events to display drill-down information for each point, such as date/time stamp, lot, or batch number.

Alarms and exceptions can be defined based on violations of control limits, specifications, pattern rules (such as the Western Electric and Westgard Rules), or fixed limits. These are returned to the application in real time, providing the support needed to drive alarm displays and produce exception reports. NWA QAx can be used for SPC applications ranging from graphical displays of SPC charts to behind-the-scenes process monitoring.

Compatible with NWA Quality Analyst®

Applications using NWA QAx also integrate seamlessly with NWA Quality Analyst, simplifying your SPC solution design and reducing development time and support requirements. Your application can be designed to meet the more basic needs of typical users, while those who require more sophisticated analytical capabilities can use the full capabilities of NWA Quality Analyst.

NWA QAx is used to deliver graphical SPC output to end users by easily embedding SPC within other software applications.

Comprehensive, Yet Easy to Implement

NWA QAx® is a well-established ActiveX solution with several years of use in SCADA, LIMS and MES applications. NWA QAx is both comprehensive and easy to implement. Basic SPC charts can be added to your application with a few lines of code, while hundreds of methods and properties are available to support the most complex requirements. Flexible data methods make it easy to populate and manage Data Sets of up to 200 variables, while a "validate" method checks to ensure correct use of the configuration properties before execution.

Support

With NWA QAx, you get more than a set of development tools—you get a partner in adding SPC capability to your product or project. NWA is the leader in SPC, with over 20 years experience and over 5000 customers worldwide. We can help ensure that your application of SPC is done right and meets your users' needs.

And, to help get you started, NWA QAx comes with a library of over 20 easy-to-follow sample applications that cover the full range of its capabilities.

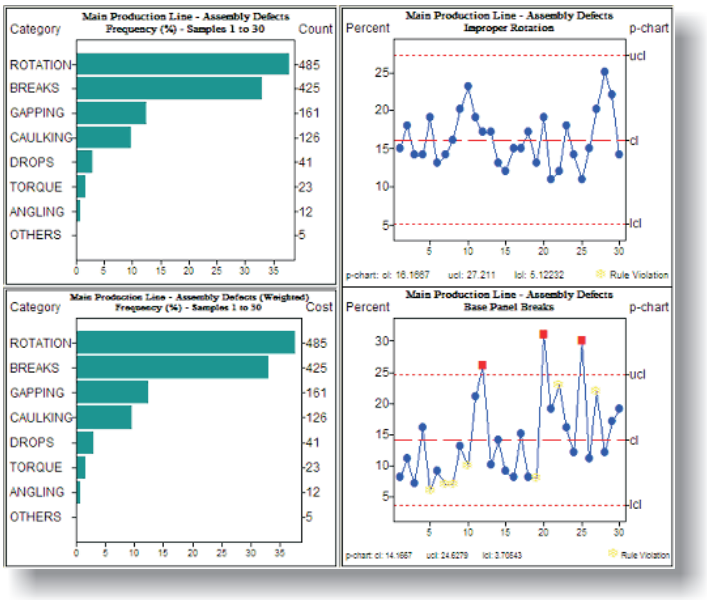
Specifications

- Industry-standard ActiveX architecture
- Complete SPC and Process Capability Analysis
- Includes Regression, Scatter, and other statistical graphics
- Data capacity of 200 columns by 999,999 rows

Testimonial Quotes

"Our client wanted a robust tool to enable the display of SPC charts within their proprietary manufacturing system. NWA QAx enabled us to seamlessly integrate SPC charting without changing the existing functionality of their system."

Christopher Lemp
MAP Quality Engineering



NWA QAx displays multiple charts per instance

Charts and Statistics

- Histogram
- X-bar
- Range
- Standard Deviation
- Pareto Diagram
- Variable Control Charts
- Attribute Control Charts
- Process Capability Diagrams and Reports
- Clinical Studies
  - Westgard Rules
  - Stability Study Calculations
- Configurable Rule Violations
- Configurable Graphics Displays
- Print Chart Capability
- Provide Descriptive Variables
- Multi-chart Display

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