

Symphony Technologies Software Solutions:



**Software Solution for
Statistical Process Control Implementation**

Feature Sheet



The quality of the products and services you deliver to your customers depends on how good your process is.

Statistical Process Control is a proven and scientific way of determining the **capability** of your process to deliver Quality, and tracking the **process stability** over time.

Performing SPC is the best and scientifically oriented method to build in quality in what you do. As the name suggests, SPC is a statistically oriented method that involves complex statistical analysis and evaluation. This tends to make SPC a daunting task to perform.

A Process managed by Statistical Process Control naturally produces only good Quality products and services.



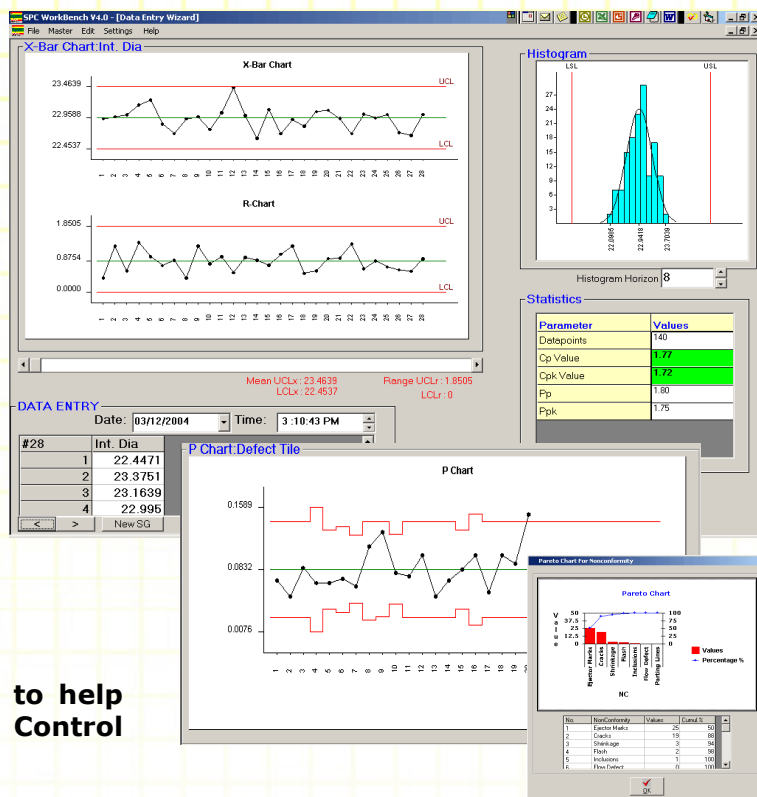
SPC WorkBench

The SPC WorkBench software solution from Symphony Technologies, puts together Control Charts, Histograms, Process Capability evaluation, and all that is necessary to put an intuitive and math-anxiety-free SPC implementation, in your hands.

The charting, calculations and evaluation will be done by SPC WorkBench...

...while you will reap the benefits of delivering good quality products and services to your customer.

Symphony Technologies is happy to help you simplify Statistical Process Control implementation.



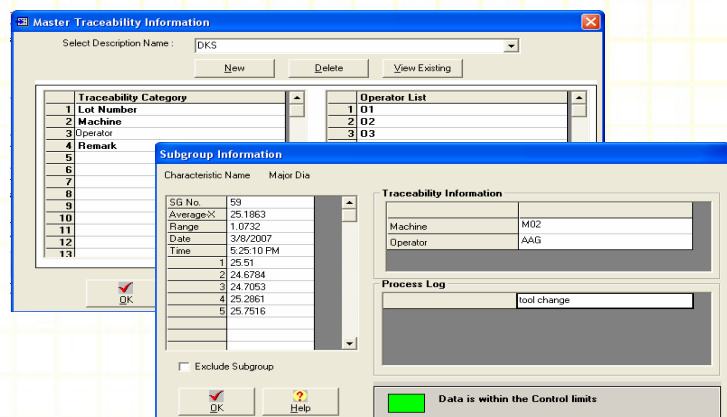
Simplify SPC

- Stay informed about your **process accuracy** and its **consistency**.
- The Process Wizard provides Flexibility to define any kind of process:
 - **Variable and Attribute data**
 - Define any number of measurable characteristics
 - Define sub group sizes from 1-15
 - Define **one sided tolerances**
 - Choose from various control charts such as **X-MR, Xbar-R, Xbar-s** for variable and **p, np, c and u charts** for attribute data
- Get complex vital Statistics such as **normality plots and PPM levels at a single click**
- Automatic **recommendation of appropriate control charts** based on selected Sub-Group size.
- **Re-calculate control limits** to accommodate upgrades in machinery or manufacturing practices.
- **Events Log** to track assignable causes
- **Rationalize your data** by excluding the subgroups with assignable causes for variation. **Get a true picture of your process's natural variation.**
- **Data is saved automatically** and continuously to **eliminate data loss.**
- Create unique files for each independent process

Compliant with
the AIAG SPC
2nd Edition
Manual
suits requirements
for
ISO 9000, QS
9000 and TS
16949

Track the origin history of every data point using unlimited traceabilities such as batch number, employee number, vendor code, raw material used, shift etc.

Pin-point problem areas by building reports for different traceabilities combinations and compare process performance.



The screenshot displays two overlapping software windows. The background window is titled "Master Traceability Information" and shows a "Select Description Name" dropdown set to "DKS". It contains a table with columns for "Traceability Category" and "Operator List". The "Traceability Category" table has rows for Lot Number, Machine, Operator, Remark, and a list of numbers 1 through 12. The "Operator List" table has rows for 01, 02, and 03. The foreground window is titled "Subgroup Information" and shows fields for "Characteristic Name" and "Major Dis". It contains a table with columns for "SG No.", "Average", "Range", "Date", and "Time". The "Traceability Information" section includes fields for "Machine" (M02) and "Operator" (AAG). The "Process Log" section shows a text entry "tool change". At the bottom, there is a green status bar that reads "Data is within the Control limits".

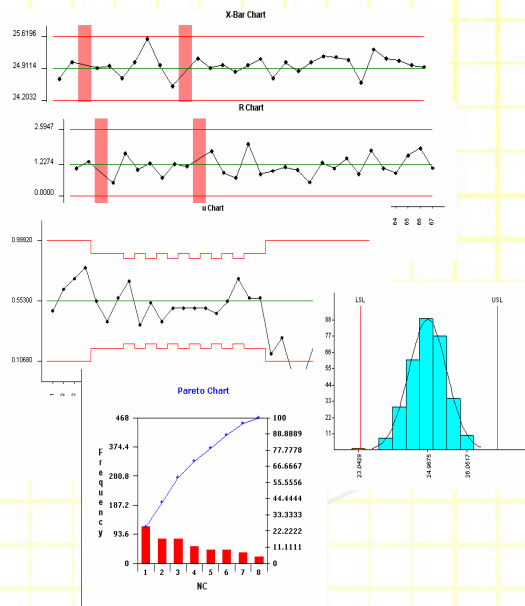
Symphony Technologies Software Solutions

www.symphonytech.com

Know when your Process needs correction...

...Eliminate over-correction and over-adjustments

- Provides simple and accurate **traffic signals** for universal understanding of Process parameters
- Activate **Trend messages** to ensure just in time correction of process drifts before process goes out of control



Highly Visual graphical display.

- Interactive charts providing real-time feedback
- View real-time updated **control charts, histograms, and process capability parameters**, all in one screen
- Copy-paste any chart or graph to incorporate into management reports and presentation

Visual Signals enable easy understanding and reduce the learning curve

Simplify Analysis

- Carry out an **"What-if" analysis** on Specification limits to see whether your process can handle tighter tolerances asked for by your customer
- Get histogram and process capability statistics for specific ranges of data. **Compare performance of your process in time and between subgroups (lots/batches)**
- Get **Pareto Analysis** for Attribute data to pin-point 80% of your problems. Track these problems using traceabilities
- Build **stratified reports** based on traceabilities to compare process performance and narrow down on problem areas



Powerful Reporting for Decision Support

Draw **multiple reports**:

- By date and time
- By sub-groups
- By characteristics
- By multiple traceabilities and their combinations
- Specific data reports by filtering using all the above filters

Preview the report data before exporting it

Reports in MS Excel

- Formattable
- Easy to **distribute via email**
- Easy to store independent of software

Complete SPC WorkBench software available for Free 30-day evaluation

Online Technical and Implementation Support at the Symphony Technologies Quality Helpline

Support

- Comprehensive Help bundled within the software
- Get self running demos of the software to train your people on how to use the software and its features. Reduce the learning curve and implementation time.
- Extensive User Manual
- Ensure lifetime free regular upgrades by signing the Annual Maintenance Contract.
- Get free email technical support and expert advice on any quality issues you may have with our Quality Helpline.

To know more about Symphony Technologies and our products & services, visit us at www.symphonytech.com or write to us at mail@symphonytech.com