

SE SPC

Statistical Process Control [SPC]

Keeping processes under control

Overview

SE Statistical Process Control, (or SE SPC), has been designed to collect and analyze data easily so that you can take control of your processes. It allows you to monitor performance and achieve sustainable improvements in quality and profitability.

SE SPC is specifically designed to be scalable, which means no architectural changes are necessary as you add new users, processes, data categories, specific reports, and integration with other SE SPC modules or new data sources. (*)

SE SPC uses control charts as a primary tool for statistical process control. Control charts are used to determine whether a manufacturing or business process is in a state of statistical control or not. They are also used with product measurements to analyze process capability and for continuous process improvement efforts.

SE SPC includes flexible interfaces that allow users to collect data in a variety of ways. Whether you collect data by keyboard or an automated data collector, the data is stored directly into the database without any operator data entry dialogs.

SE SPC supports administration functionalities that provide admin users with the power of defining permissions to access data. This allows admin users to define which users can use the system, the permissions of users, the measurements collected, how they are collected, what data can be viewed or changed, how data is analyzed, and so forth. These functionalities contribute

to the flexibility and scalability of SE SPC. Moreover, unlike other SPC software, SE SPC uses a single, centralized database with reduced redundancy, improved security measures and easy management for the entire enterprise.

Operators and managers depend on SE SPC not only to meet ISO/TS/FDA compliance requirements, but also to quickly identify and react to potential problems that impact the bottom line.

SE SPC has been the trusted statistical process control solution chosen by leading manufacturers in all industries throughout the world. This is because SE SPC easily allows these companies to understand, analyze, and improve their manufacturing processes resulting in reduced costs, improved yield, less waste and rework, and more satisfied customers.

Most importantly, SE SPC enables organizations to improve overall quality, and reduce costs and risks associated with a growing number of regulatory compliance and corporate governance processes such as those related to the ISO 9000 Quality Guidelines, Sarbanes-Oxley, FDA 21CFR Part 11 Electronic Record Keeping, Good Manufacturing Practices, OSHA Regulations, and others.

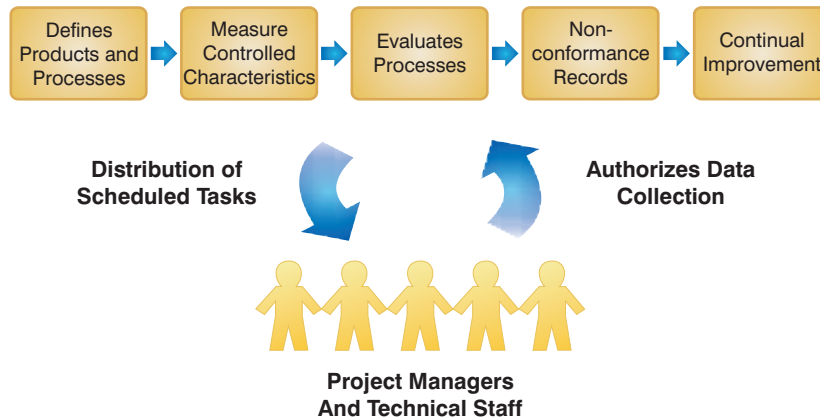
(*) SE SPC integrates with SE Process, Calibration, Maintenance, Asset, and PDM.

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SE SPC

Team Workflow

Team Workflow Technology



Features

- SE SPC can be tailored to your organization's unique data requirements and business processes.
- Signals when a process problem has occurred or is out of control.
- Accomplishes process characterization.
- Monitors process quality.
- Provides mechanism to make process changes.
- Supports process capability (Cp, Cpk) and process performance (Pp, Ppk) analysis with comparison to the product tolerance.
- Provides variable and attribute charts.
- Configures different operator screen views including control charts, samples, and results.
- Multiple SPC charts may be simultaneously displayed in a single window, and updated in real time.
- Allows easy data entry using the familiar spreadsheet-style data entry screen.
- Captures data directly from gages and measurement devices.
- Generates a variety of SPC charts and reports using system defaults or your own custom settings.
- Provides the ability to use real-time data to monitor, predict and make on-line adjustments for production quality and consistency.
- Maintains all critical system information in a single log file for audits and regulatory information.
- Enables complete traceability.
- Sends violation data to an event log or prompt operators to enter information such as corrective actions, notes and assignable causes.
- Offers multi-language support within a single facility, by workstation and/or individual login.
- Integrates with Microsoft Active Directory.
- Allows import/export data from other applications.

