



Statistical Process Control Module

MES BUILT ON IGNITION®

Ensure that statistical process control (SPC) data is accurately collected on time, every time by using the powerful features of the Sepasoft™ SPC Module for Ignition®. SPC will help you reduce or eliminate late or missing sample collection, inaccurate sample data, or other issues leading to quality problems. Deliver your SPC data in real-time to the right people in a comprehensive format using the flexible control charts and analysis tools.

Easy Automatic Sample Scheduling

Taking accurate, regularly-scheduled samples is vital to maintaining quality. That's why we made it easy to schedule samples automatically in real-time using the MES SPC Module. You can take samples based on actual production conditions and use convenient automated alerts to help ensure that samples are never missed. Customizing a sampling schedule is simple and flexible, accommodating the requirements of your unique production environment.

Quick Automatic Signal Evaluation

To ensure quality, it's important to keep processes within acceptable control limits. This is achieved by identifying out-of-control variations as soon as possible without human intervention. When a sample is taken, the SPC Module evaluates your defined SPC rules, sending alerts automatically if they are out-of-control. With SPC you can find out-of-control variations quickly and resolve them before they become a bigger problem.

Features

- Automatic Sample Scheduling
- Automatic Signal Evaluation
- Powerful SPC Control Charts
- Easy Automatic Data Collection

Supported Operating Systems

- Windows Server 2008/2012/2016
- Windows 7, 8, 10, or later
- Ubuntu Linux 12.04 or later
- Other Java SE enabled OSes²

Requirements

- Ignition® Core Modules
- Java SE 8+ (server)
- Java SE 6, 7, 8, or 9 (client)
- Quad-core processor (32- or 64-bit)
- 8GB RAM
- 10GB free HD space
- (requirements vary by usage)

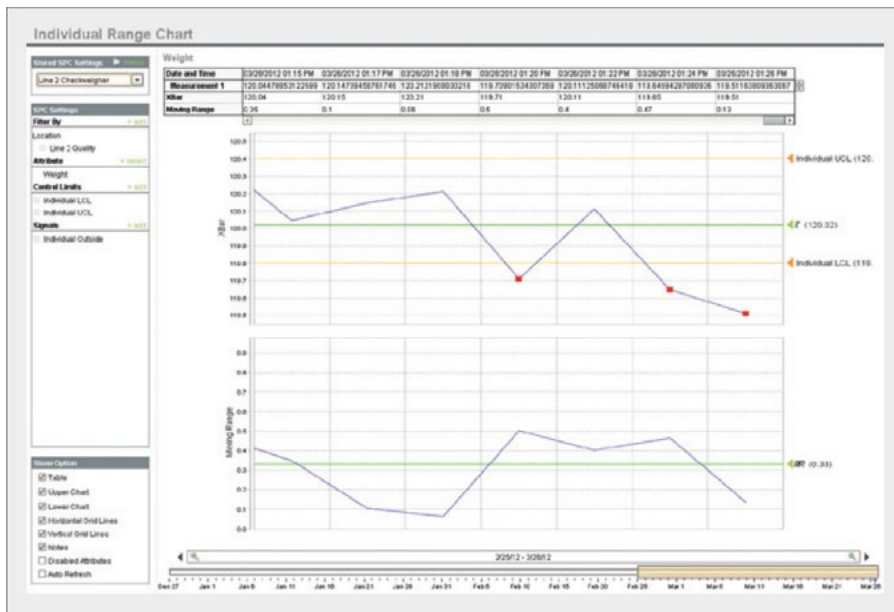
Supported Databases

- Microsoft® SQL Server
- MySQL
- Oracle
- Postgres

*Ignition® is compatible with any Java-enabled operating system. Full support is only offered for listed operating systems.

Control Charts

The powerful charting features of the Sepasoft™ SPC Module make SPC data easy to see and to act upon.





Powerful SPC Control Charts

All the data in the world is of no use without good analysis tools, so we built the SPC Module with a full range of powerful and flexible SPC Control Charts. With the SPC Module you have the power to quickly set control limits. Based on security roles, control limit values can be calculated and set interactively on the Control Charts. The Additional Factors feature gives you flexibility to associate and visualize other production information alongside SPC data.

With customizable appearance settings for charts, tables, control limits, and signals, you have the power to see the information you need—the way you want.

Supported Control Charts

- XBar—Range
- XBar—S
- Individual
- Histogram
- Pareto
- p chart
- np chart
- c chart
- u chart
- Box and Whisker Chart
- Process capability
- Process performance

Easy Automatic Data Collection

Statistical process control data can come from a variety of sources, so SPC comes with the tools you need for collection. Sepasoft™ MES SPC was built with support for automatically collecting data from PLC, MQTT-connected, and OPC-connected devices, in addition to lab instruments, RS232 and USB devices, data files, web services, and external databases. When automatic data collection is not possible, the SPC Module supports manual data entry. In cases when there is no network connectivity, offline data collection is possible using mobile iOS or Android™ devices.

Powered by Ignition

SPC is a module built on Ignition®, the powerful, award-winning, HMI/SCADA/MES software from Inductive Automation. Because the SPC Module is built upon the power of Ignition®, it shares the same advantages, such as cross-platform compatibility, unlimited free clients, robust out-of-the-box SQL database support, and fast installation. SPC leverages the full power of Ignition® SCADA making it an SPC application unlike any other on the market.



Unparalleled Collaboration

Since the SPC Module is built on Ignition®, it can seamlessly collaborate with the full range of other Sepasoft™ MES applications. A production process fully employing MES offerings could collect quality information as well as track OEE and downtime, recipe management, traceability, and more, all on one unified system. Break down the walls between the lab and the plant floor by transforming raw data into useful, actionable information with the Sepasoft™ SPC Module, built on Ignition®.



The SPC Module is available for download at the Inductive Automation Website: inductiveautomation.com/downloads/ignition