

SPC ACCELERATOR

DELIVERING THE FOUNDATIONS OF YOUR IGNITION MES & SPC SOLUTION

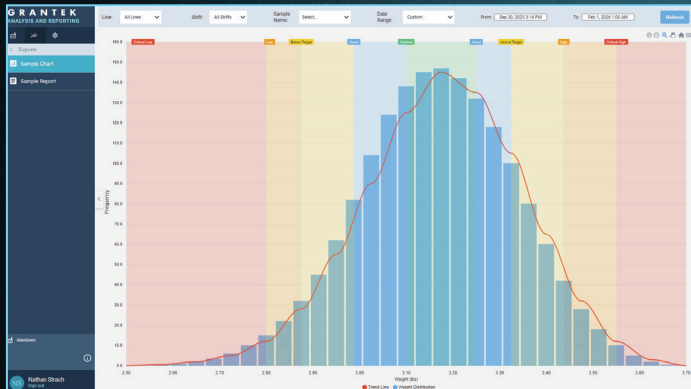
Delivering Statistical Process Control solutions that are quick to deploy, customizable for your process, and scale across the enterprise; enabling your quality excellence journey.

WHY SPC?

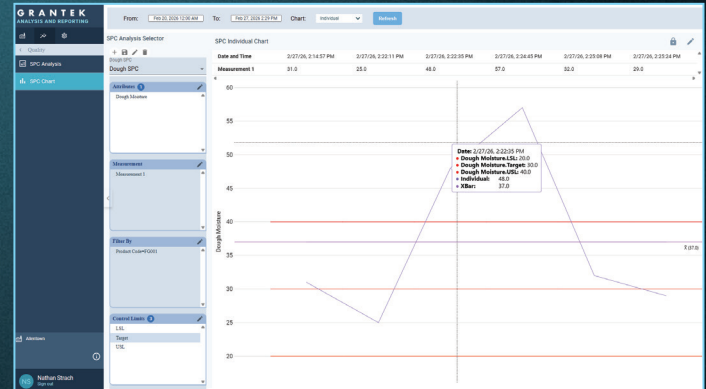
- Monitor **process variation** and maintain **product quality** in manufacturing operations
- Detect when a process is **trending out of control**, enabling **proactive intervention** before defects occur
- Provide insights into **process stability** and **performance**
- Reduce variation, minimize scrap, and drive **quality excellence**

GRANTEK'S SPC ACCELERATOR

Grantek has assembled comprehensive Statistical Process Control functionality built on Sepasoft's MES modules to expedite delivery of Quality Monitoring solutions on Ignition. Grantek's SPC Accelerator delivers a strong foundation for Ignition MES deployments with fast time-to-value and is designed for **flexibility and scalability** to adapt to your unique process and quality requirements.



Colour-coded process distribution zones give operators and managers an at-a-glance view of where production stands relative to specification targets.



Real-time SPC control charts with configurable control limits and interactive data inspection.

SPC ACCELERATOR:

COMPONENTS & FUNCTIONALITY

Granttek's SPC Accelerator is designed to maximize value out-of-the-box. These components are available in Vision and Perspective from Day 1, and can be expanded to meet your needs.

SAMPLE COLLECTION & MANAGEMENT

- Interface for operators to manually enter sample measurements during production
- Automated data collection from connected equipment and sensors
- Configurable rules for when and how samples should be collected
- Production Start Screen to contextualize production data with SPC parameters
- Sample Entry Reports provide visualization and tracking of collected sample data

SECURITY & ACCESS CONTROL

- Role-Based Permissions for differentiated access for operators, quality personnel, and administrators
- Sample Entry Authorization for control over who can enter or modify sample data
- Configuration management for admin-only access to statistical rule setup

STATISTICAL ANALYSIS

- Real-time statistical process control charts
- Automatic computation of mean, standard deviation, and control limits
- Detection of out-of-control conditions using Nelson's statistical rules
- Western Electric (WE) Rules for additional statistical control rule evaluation

ALERTING & NOTIFICATIONS

- Automated alerts when statistical rules are violated
- Immediate notification when processes exceed control limits
- Customizable alert thresholds and recipient management

DATA MANAGEMENT

- Hourly scheduled jobs for systematic data gathering
- Functions to transfer historical data to other applications (power BI Tableau)

DASHBOARDS & VISUALIZATION

- Live updating statistical charts during production
- Historical data visualization for pattern identification