

Powerway® Factory Floor Performance

Powerway Factory Floor Performance is a powerful and configurable system for control of manufacturing processes, including data collection, administration and examination.

When Harley-Davidson decided to look for a commercial SPC software package that could interface smoothly with the other systems at the plant, they didn't look much further than Powerway. The company was impressed with the way the Powerway software could instantly convert raw data into meaningful results generating a wide range of chart types.

Harley felt the Powerway software also provided especially strong features for evaluating the effectiveness of alternative corrective actions—for actually solving problems rather than simply reporting them.

The result has been a continuous improvement process that—within a year of implementation—helped operators make substantial quality improvement, reduced scrap and rework costs and helped control overall manufacturing expenses.

Would you be able to provide statistical analysis, both of defects and the measures taken to prevent them from recurring, from your factory floor? Could you do it in real-time?

Achieving a reduction in scrap and rework begins with a solid statistical control process, and if data isn't available in real-time, defects won't show up until after the parts/products have been made. This results in costly errors, such as the need for rework, higher setup costs and damage to customer relationships.

To prevent these things from happening you need to:

- React immediately to process changes.
- View data in real-time.
- Integrate data collection from shop floor devices.

So how can you collect statistical analysis data in real-time and meet those needs? Powerway Factory Floor Performance. This unique software is designed for quality professionals who insist that statistical process control (SPC) be deployed as closely to the process as possible. Using Powerway Factory Floor Performance helps you assure rapid response to changes in process behavior..



Powerway SPC Operator: Collecting information.

Customized and simplified data collection with three choices of user interface (configured in SPC Administrator). Receive feedback from the factory floor and implement that feedback into corrective and preventative action to stop defects. Powerway SPC Operator places data collection where it is needed most—in production.

- Collect data at the process (manually, semiautomatically, or automatically) and it is immediately available to the process operator in a graphical format.
- Configure characteristic to collect data with or without operator participation.
- Allows significant freedom in configuration with subgroup sizes and sample frequencies.
- Contains an optional countdown timer to let the operator know when it's time to collect data.

Powerway SPC Examiner: Viewing and analyzing data.

View SPC data in real-time, to prevent defects before they happen using Powerway SPC Examiner.

- Customize alarm groups for viewer notification.
- Alert examiners with color-coded listings to the state of each data set.
- Generate post-process reports based on a single or multiple criteria.

Powerway SPC Administrator: Oversee the process.

Integrate SPC at the factory floor level, and set up different configurations for different workstations. Powerway SPC Administrator provides extensive configuration capability and is highly customizable to your specific environment.

- Complete configuration and control of the data collection process, user privileges and workstations.
- Complete access control.
- Organize alarm groups to keep management informed.

Powerway Factory Floor Performance is part of the Powerway Suite 2000 integrated performance solution.

From product design through production, Powerway Suite 2000 automates paper-intensive engineering, quality and manufacturing processes within your organization, helping you reduce costs, improve quality and speed time to market. All Powerway software applications are designed to work individually or together, and are grouped into four solutions groups for your convenience:

- Document Control provides complete paperless document and data control.
- Engineering Advantage provides advanced quality planning.
- Quality Solutions provides integrated quality management.
- Factory Floor Performance provides real-time factory floor data collection.



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