PC-DMIS DataSuite+

Collect.
Analyze.
Share.
Powerful SPC Tools for Metrology

Statistical Process Control for Successful Manufacturing

Effective deployment of Statistical Process Control (SPC) software enables processes to be closely monitored in real time. Benefits of SPC include quick identification of small problems before they become major issues and the ability to analyze and improve processes over the long term.

The all-new DataSuite+ SPC package is the result of applying over twenty years of experience in the development and application of SPC software for metrology applications. This package provides companies of all sizes with a scalable, flexible SPC toolkit that can be custom applied to specific requirements.

Turning Measurement Data into Actionable Information

DataSuite+ is an integrated set of tools for the real-time capture and analysis of measurement data. It turns this data into actionable information and automatically formats it for its intended audience. Information is delivered by the fastest possible means. The result is a responsive SPC system that can help quickly resolve problems, minimize down time, reduce scrap and vastly improve product quality.

DataSuite+ has two available configurations, DataPage+ and Web Reporting Suite, both providing identical SPC functionality, but with different access and licensing configurations, to meet the requirements of all sizes of organizations ranging from small shops to the largest multi-nationals.

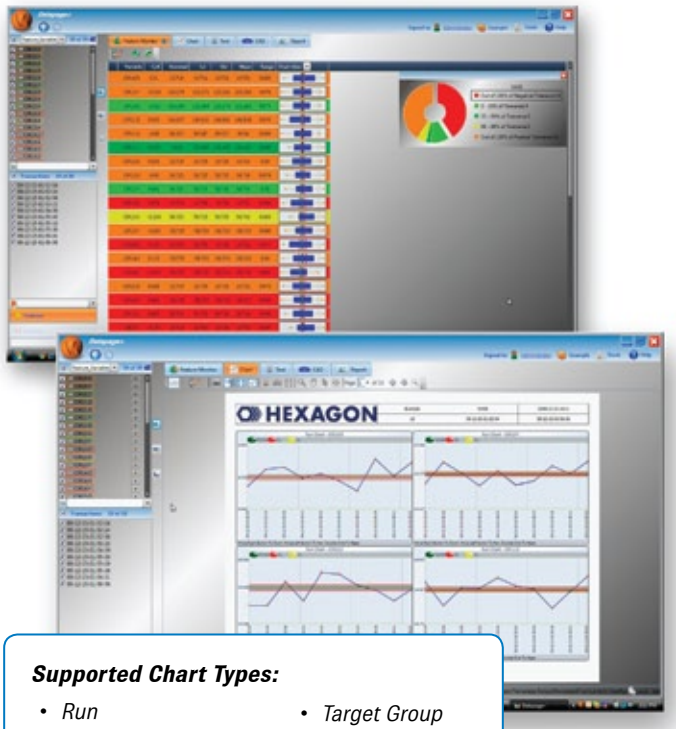
DataPage+ Traditional Licensing — DataPage+ uses a traditional one computer-one license plan; designed for single facility or small company use. Multiple systems can access and share a single SPC results database.

Web Reporting Suite — A client-server system where a single SPC database is accessed via a network-licensing model via web browser *(example shown)*; ideal for multiple site and enterprise-level implementations.

ems datapage+

DataPage+ is a stand-alone SPC package for analyzing data coming from multiple types of measurement devices and multiple types of software.

- Integrated with the PC-DMIS reporting engine for easy data transfer.
- Customizable "Dashboard" view (top right) allows multiple processes, features or other characteristics of interest to be monitored in real time.
- Multiple templates allow report organization into the most appropriate format for the intended audience, such as production, management, or engineering.
- Part quality is monitored in real-time as measurements are made, providing immediate feedback to the shop floor.
- Tool wear can be tracked to notify operators when adjustments are needed.
- Operators, engineers and managers can use the rich toolkit for investigating manufacturing problems, aiding in root cause analysis and implementing process improvement initiatives.
- Accepts data from PC-DMIS or any other measurement software program and merges that data into a single SQL database.
- Scalable to meet changing customer needs by employing robust database architecture.
- Automatically outputs data in Excel formats.



Supported Chart Types:

- *Run*
- *Individual*
- *Subgroup*
- *Histogram*
- *Cumulative Probability*
- *ATT Test*
- *Target Individual*
- *Target Group*
- *Pareto Variable*
- *Pareto 6 Sigma*
- *Bar & Whisker*
- *Multi*
- *Multi Run*
- *Process*

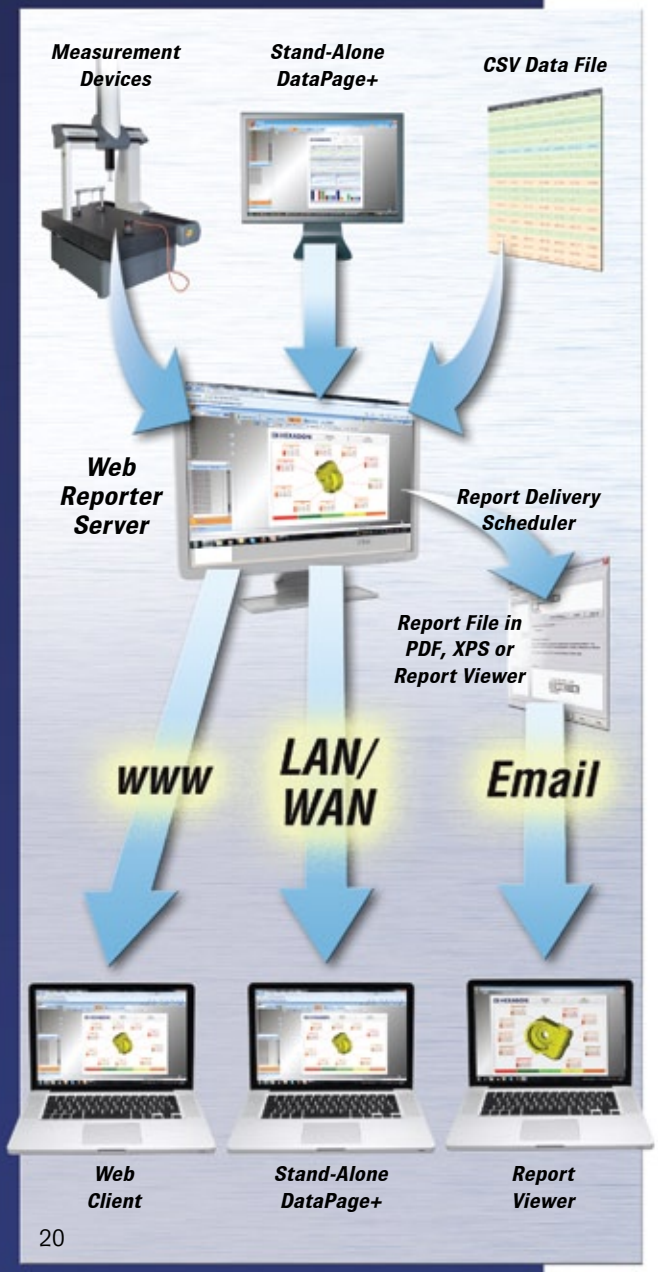
DataView+

DataView+ is an optional CAD reporting feature for DataPage+. CAD models can be merged with measurement results for easy to understand visual interpretation of data.

- Highlights problems by graphically identifying them on the CAD model.
- Gives programmers full control over the orientation of CAD models and the labeling of features on reports.
- Displays statistical charts along with text information for any given feature.
- Easy to create and modify templates and labels with no advanced programming knowledge.
- Custom label and template builders allow users to create special reports to suit specific audiences.

PC-DMIS Web Reporting Suite

Using Internet Technology to Build Enterprise Quality Reporting Systems



Meeting the Reporting Needs of Many Users

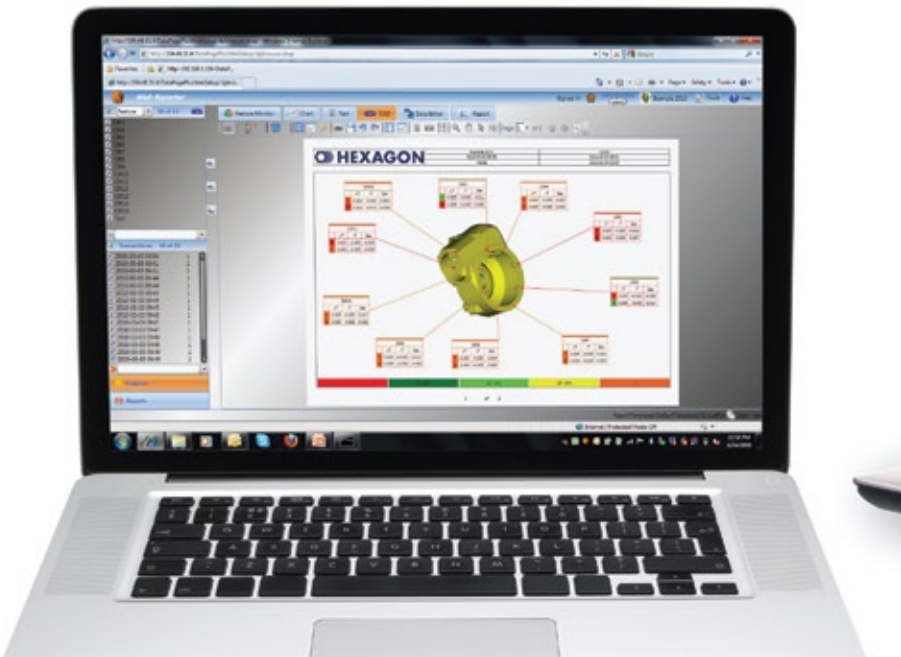
Web Reporting Suite is an enterprise wide reporting system that works in conjunction with Wilcox Associates PC-DMIS software products and with its DataSuite+ reporting package. It is a web-enabled, integrated reporting system that captures and analyzes measurement data in real time. It then automatically generates and distributes the resultant reports in the right format to the right place at the right time.

Using the Web and Closing the Loop

Web Reporting Suite is a true web server application. It resides on a centralized server and uses a concurrent network-licensing model. Companies do not have to install software on each user's computer and they do not have to buy licenses for each. Instead, they buy a pool of sharable licenses. Users can access the data via either intranet or internet connection from any web browser. Because the connection is bi-directional, data flows directly from measurement devices to the database eliminating data handling issues.

PC-DMIS Web Reporting Suite lets manufacturers:

- Monitor both internal and supplier production processes by transmitting measurement data directly from the shop floor to the metrology database for immediate analysis. The software immediately notifies operators and engineers of both actual and potential problems.
- Plan for validation using PC-DMIS Inspection Plans to pre-define report formats (templates) before any parts are measured. The reports are instantly available once part measurement begins.
- Deliver reports using a built-in Report Delivery Scheduler. The software automatically sends the specific reports when they become available.
- Provide authorized users a report viewer application that allows them to view reports from anywhere using the internet.
- Improve processes using PC-DMIS DataSuite+ SPC software. DataSuite+ provides a full set of capabilities for managing large amounts of data and analyzing processes and their capabilities.
- Generate easy-to-understand graphical reports by annotating the CAD model with dimensional information.

EMS Software for Enterprise Reporting

PC-DMIS DataSuite+ and PC-DMIS Web Reporter Suite are part of the Enterprise Metrology (EMS) family of metrology products. They address the needs of customers who need to integrate web technology into their metrology reporting systems. In keeping with the EMS philosophy, it is flexible, scalable and powerful in both operation and configuration.