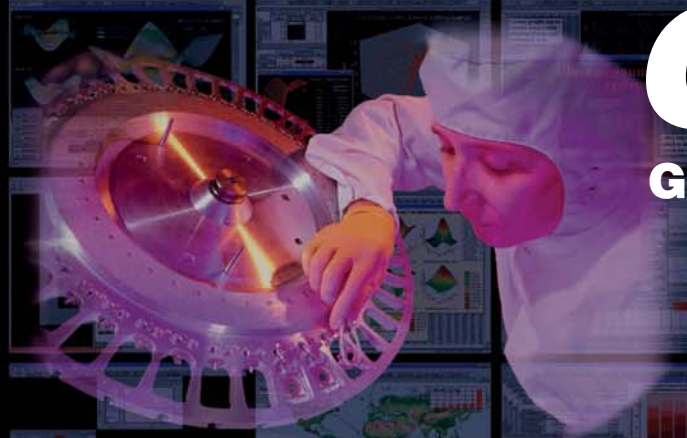
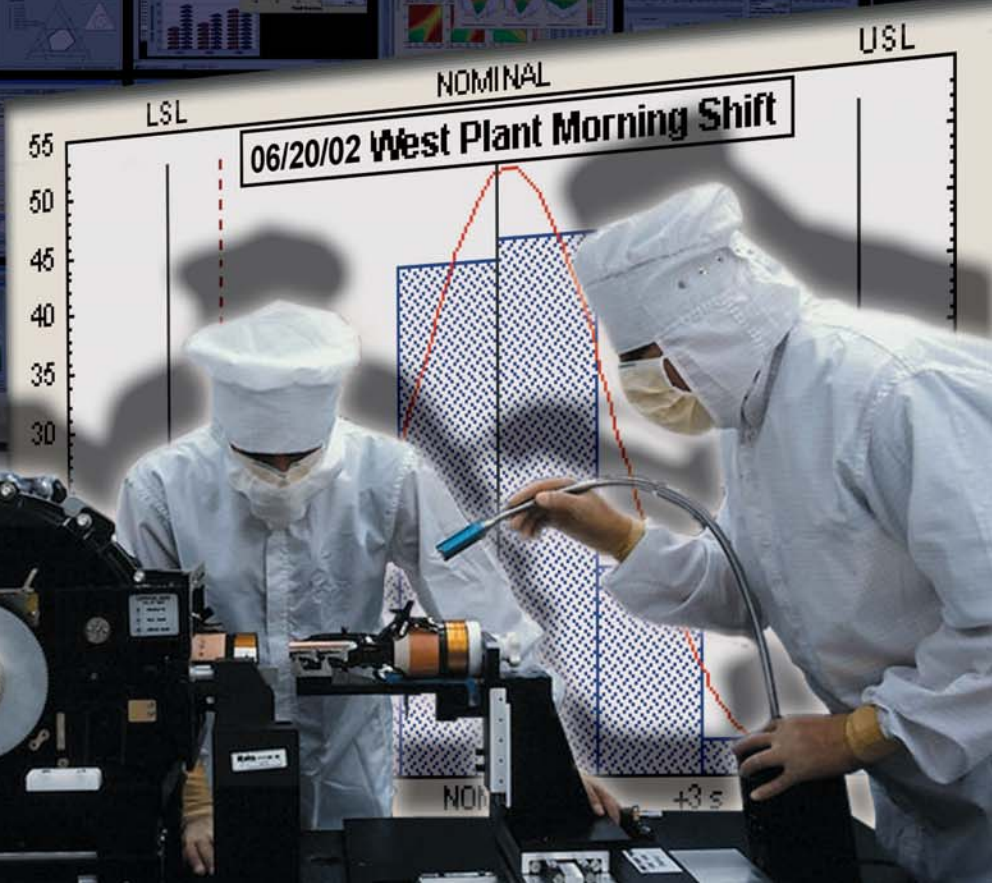
STATISTICA™

QC Miner

Go Beyond Simple Quality Control: Don't Just React to Problems, ANTICIPATE Them!



- ✔ **Predict QC problems with cutting-edge data mining methods.**
- ✔ **Discover root causes of problem areas.**
- ✔ **Monitor and improve ROI (return on investment).**
- ✔ **Generate suggestions for improvement.**
- ✔ **Monitor processes in real-time over the Web.**
- ✔ **Create and deploy QC/SPC solutions over the Web.**



STATISTICA has received the highest rating in EVERY comparative review of statistics software in which it has been featured since its first release in 1993.

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System Features

- *Fully customizable user interfaces*
- *Flexible output management*
- *Presentation-quality reporting*
- *Full Web-enablement options*
- *Optimized for large data sets*
- *Interactive database query tools*
- *Wide set of import/export facilities*
- *Multiple input files, instances, & multitasking*
- *Highest quality, interactive graphics*
- *Complete set of automation options*
- *Fully integrated Visual Basic*
- *Distributed processing, server options*
- *Optimized query interface to databases*
- *Tools for collaborative work*
- *Specialized databases*

STATISTICA

A comprehensive array of analytical tools for virtually any application

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STATISTICA QC Data Miner - is a powerful software solution designed to monitor processes and not only identify but also ANTICIPATE problems related to quality control and improvement with unmatched sensitivity and effectiveness. It combines the most powerful tools for QC and SPC with the cutting-edge data mining technology. *STATISTICA QC Miner* integrates the complete functionality of *STATISTICA* software for quality control and improvement with *STATISTICA Data Miner* software for uncovering hidden trends, explaining known patterns, and predicting the future. *STATISTICA QC Data Miner* consists of the complete set of tools available via *STATISTICA Data Miner.*

Designed for 2 types of users, those who need either:

1. **A complete "turn-key" (deployed) solution**, custom tailored by StatSoft engineers to your specific needs, or
2. **A comprehensive set of tools** that enables you to easily build new or customize existing solutions.

How it Works

- **All quality control charts, process capability analyses, experimental design procedures, or Six Sigma methods and charts are integrated** with a comprehensive library of cutting-edge techniques for exploratory and predictive data mining.
- ***QC Data Miner* projects can be connected to live data streams** and automatically updated as new data (samples, observations) become available.
- ***QC Data Miner* projects can actively poll external databases** to retrieve samples at predefined intervals.
- ***QC Data Miner* can process data sets of practically unlimited size**, screen even millions of characteristics.
- **Multiple data (process) streams (or data sets) can be connected into a single project** so that users can simultaneously compare, monitor, and analyze multiple processes, machines, parts, etc.
- **Multiple projects can process and analyze the same data streams.**
- **Multiple data streams can be "routed" through the same nodes**, applying the same engineering specs, quality control limits, sampling methods, analyses, etc. to all data streams. Users set up charts, analyses, or data filtering methods only once, connect new data or variables as they become available, and then connect multiple data streams to the same neural network monitor.
- ***QC Data Miner* projects can be customized using the syntax of industry standard languages (VB or C/C++).** For example, users can create templates for different processes, variables, or applications.
- ***QC Data Miner* projects are fully programmable.** This enables users to automatically develop highly customized solutions integrated with the local environment; for example, retrieve random samples from multiple remote database servers, clean the data, and update all charts, analyses, and learning algorithms.
- **Powerful Client-Server version** (that supports distributed processing and scales to multiple servers) is also available.
- **A Web-based version**, with browser-user interface, is also available.

In-place Database Processing. Unlike traditional industrial statistics and quality control software, *STATISTICA QC Data Miner* can be flexibly connected to data residing on your local computer, or to data in extremely large remote databases for in-place database processing, without requiring that a copy of the data be created on your local machine. Regardless of where and how the data are stored, or how large the databases containing process and quality-relevant information may be, *STATISTICA QC Data Miner* will easily and seamlessly connect to and integrate with your existing systems. There is practically no limit to the size of your data stream; *STATISTICA QC Data Miner* can screen unlimited numbers of characteristics (i.e., variables or features) and records.

Using *STATISTICA QC Data Miner* as a Silent Monitor and Learner. Like all procedures in the *STATISTICA* family of products, the *STATISTICA QC Data Miner* can itself be accessed from other applications (that support the industry standard Component Object Model or COM interface), and run "silently" inside the other application so that no actual *STATISTICA QC Data Miner* user interface will ever be displayed. For example, your existing quality and process control monitoring applications may incorporate calls to *STATISTICA QC Data Miner* to access the tremendous power of cutting-edge data mining, machine learning, and statistical algorithms.

Other STATISTICA Products

For the Enterprise

STATISTICA Enterprise-wide Data Mining System (Data Miner) *- the most comprehensive selection of data mining solutions on the market, with an icon-based, extremely easy-to-use user interface. A designated SPC version (QC Data Miner) to mine/analyze large data streams is also available, and described above.*

STATISTICA Enterprise-wide Data Analysis System (SEDAS) *- an integrated, multi-user system designed for general purpose data analysis and business intelligence applications. SEDAS can optionally offer the statistical functionality available in any or all STATISTICA products. In addition, it features: integration with data warehouses, intuitive query and filtering tools, easy-to-use administration tools, automatic report distribution, alarm notification, and more.*

STATISTICA Enterprise-wide SPC System (SEWSS) *- based on state-of-the-art connectivity, multitasking, distributed processing technologies, designed for local and global enterprise quality control/improvement applications, including Six Sigma; it offers real-time monitoring and alarm notification for the production floor, a comprehensive set of analytical tools for engineers, sophisticated reporting features for management, Six Sigma Reporting options, and much more.*

WebSTATISTICA Server Applications *- the ultimate enterprise system that offers full Web enablement: run STATISTICA from a Web browser on any computer (including Linux, UNIX), offload large tasks to the servers, use multi-tier Client-Server architecture, manage projects over the Web, and collaborate "across the hall or across continents."*

StatSoft®

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