Manufacturing Execution Systems

Real-Time Machine Data Acquisition

THERE IS NOTHING MORE POWERFUL THAN THE COMPLETE PICTURE

IMPROVING ASSET PRODUCTIVITY • ELIMINATING COSTLY REWORK • ACHIEVING THE PAPERLESS SHOP
**PLANT PERFORMANCE**
Proactive quality management and improved equipment and plant performance begin with accurate real-time information. With reliable data at your fingertips, you have the tools needed to integrate the business function of manufacturing, sales, customer service, maintenance and finance.

**PRODUCTIVITY**
Your goal is to find ways to get more out of your existing resources. Lean manufacturing requires reducing lead time, decreasing scrap, eliminating downtime and maintaining accurate inventories while improving margins, creating greater value for your customers and a competitive advantage for your company. PlantStar’s user-friendly measurement tools include:
- Production counts and reports
- Up/downtime tracking
- Job data storage and retrieval
- Predictive maintenance
- Scrap entry and analysis
- Material usage and forecasts
- Tool tracking
- Machine efficiency/utilization

**PROCESS EFFICIENCIES**
We’ll help you achieve defect prevention, not defect detection. We accomplish this by tracking, recording and analyzing critical variables in real time with these process tools:
- SPC analysis
- ISO/QS 9000 documentation
- High-speed profiling
- Temperatures, pressures, times, etc.
- X-Bar and R charts
- Dimensions, weights, and attributes
- OPC Support
- Custom Interfaces
- Automatic machine setup data downloads

**COMMUNICATION**
Our solutions provide setup, quality, maintenance and operational documents where the operator needs them—on the machine. Operators can see images of good/bad parts or CAD drawings on every PC workstation and plant floor display. Management can share digital documents, video clips and demonstrations with the plant floor. You’ll eliminate clipboards, whiteboards, notebooks and reams of outdated paper instructions. Paperless communication is now a reality.

The Integration of Our Solutions Into Your Work Environment
The SYSCON-PlantStar Suite of Visionary Software

**Quickshot™**
An entry-level, “real-time” production monitoring/scheduling system with multiple first-time user benefits including low cost and high value.

**Snapshot®**
This mid-entry level solution has all the features of Quickshot and provides interfaces for product control add-ons such as production scales, on-demand user-designed barcode label printing, electronic set-up sheets, family tooling and lot tracking functions.

**Portrait®**
For manufacturers that need high-performance production and process monitoring without a large system implementation expense. Portrait offers enhanced real-time production scheduling and reporting along with fundamental process monitoring.

**Panorama®**
Panorama is a high-performance production solution that provides full traceability functions with optional multi-operational processing and data collection. Key attributes are the historian and online process journaling features.

**Process Data Acquisition Module**
PDAM is a real-time process data acquisition and analysis tool designed for use by end users, process engineering, system developers and integrators. The PDAM is ideal for manufacturing environments that require real-time process information on their production equipment. Food, chemical, pharmaceutical and foundry applications, plastics processors and die casting operations can utilize the flexibility and reliability of the PDAM.

**Screenshots**

![Job Schedule Board](image1)
![Job Summary](image2)
![Process SPC](image3)

![Profile Overlay](image4)
![Reject Pie Chart](image5)
![Tool Change Schedule](image6)

![Job Set-Up](image7)
![Job Summary](image8)
![Reject Update](image9)
A PROVEN TRACK RECORD
SYSCON-PlantStar, a division of SYSCON International, Inc., was established in 1988 to provide real-time plant floor data acquisition solutions to the plastics molding industry. PlantStar has installations in plastics, metal stamping, die casting, packaging, assembly and other related industries including:
- home appliances,
- contract medical devices,
- single-use food and beverage products,
- personal hygiene products including safety razors,
- world’s largest automotive supplier,
- industrial plastic blow-molded products,
- world’s leading manufacturer of safety products,
- plastic bottles for pharmaceutical and healthcare,
- and many more.
Ask for a client list.

FLEXIBLE AND RELIABLE HARDWARE
SYSCON-PlantStar’s Data Collection Modules (DCMs) show the complete picture of your manufacturing processes. The DCM’s web-enabled, industrial-grade touch screens have flexible configurations. Pentium-class microprocessors provide rapid data processing and communication. DCM units also provide extended shop floor redundancy and data protection in case of power or network failure.

WE WILL STAY WITH YOU WHILE YOU GROW
Our progressive suite of products will continue to meet your needs as your company expands and each product can be customized to address unique applications.

OUR RESEARCH AND DEVELOPMENT ARE SECOND TO NONE
This is where PlantStar really shines. Our research and development team never stops—we take advantage of every innovation that will help our clients make products better, faster, and more profitably. Many of these innovations come from listening to our clients when they want to expand their SYSCON-PlantStar products to meet the growing demands of their market.

SUPERIOR ENGINEERING SUPPORT
PlantStar’s application engineers have the experience and resources to analyze and design a solution that fits your particular needs. After the installation, as easy-to-use as our products are, questions will come up. PlantStar’s application engineers will keep your system running smoothly. We can work online via virtual private network, modem, and web connections to analyze your installation immediately. On-site assistance is available, too.

OUR SOLUTIONS PAY FOR THEMSELVES FASTER
In addition to the initial cost of the system, many factors determine the rate of return on investment. Our accurate analysis of needs and processes, seamless installation, operator training, and product’s ease-of-use quickly turn your installation into an asset.

Where are the blind spots on your plant floor?
Call us today to schedule an on-site workflow analysis of your facility and a demonstration of the PlantStar solutions.