

# Shotscope NX

The industry's most advanced process and production monitoring system

## Benefits

- Provides better part quality by establishing process control and improving process stability
- Decreases cycle times and reduces machine downtime
- Boosts plant utilization through simplified reporting and expedited information
- Increases percentage of on-time deliveries through simplified plant scheduling

## Capabilities

- Automatically stores processing parameters on every shot in real-time
- Web-based architecture makes information available across existing internal network
  - Multi-plant capabilities
  - Job scheduling
  - Predictive and preventative maintenance
  - Real-time information
- Creates intuitive shot profile graphs
- Protects key information by limiting unauthorized access



The Shotscope NX system provides real-time, web-based information.

The Husky Shotscope® NX system provides a wealth of “at a glance” information to help manufacturers control processes and improve productivity while minimizing scrap and downtime.

### Real-time monitoring and analysis

Shotscope NX acquires process data for each cycle on every machine. The system compares and analyzes shots against a job's process limits by using historical analysis capability and provides real-time and historical measurements of machine, yield, cycle efficiency and OEE. The production manager screen displays machine status using color-coded plant floor layouts. It continuously monitors process variables such as hydraulic pressure, cavity pressure, temperature and screw position/

velocity. When process limits are violated, Shotscope NX can activate alarms, stack lights and divert parts.

### Time-saving process analyzer

The Shotscope NX process analyzer allows for a quicker job set-up. Job reference profiles are stored and recalled when jobs are rerun. Shotscope NX will overlay reference profiles with those from new jobs for easy machine adjustments. The process analyzer also troubleshoots by detecting common problems before they become serious issues.

### Intelligent SPC tool

Shotscope NX provides statistical process control (SPC) capabilities. The system collects all of the shot variables from every

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cycle and retrieves them for later analysis using run charts, histograms, X-bar and R-charts and scatter diagrams. Run charts permit the review of process parameters and part attributes for up to 100000 shots on one chart. Scatter diagrams are used to relate process variables to physical part measurements for the purpose of establishing process limits. To determine interaction, users can simultaneously display and compare up to four parameters shot-by-shot.

#### Flexible production reporting

Shotscope NX simplifies reporting and expedites information flow via standard graphical and tabular reports, allowing data to be analyzed by user, tool, material, scrap and downtime. Shotscope NX is able to exchange information with other plant management systems (MRP and ERP) and enables users to configure, analyze and report information to support the unique requirements of different organizations. The system's remote log-in capability allows multiple plants to be monitored from a single location. In addition, Microsoft\* Excel\* or Access\* can be used to directly connect to the Shotscope NX database.

#### Efficient job scheduling

Shotscope NX allows jobs to be scheduled using a simple Gantt chart. Color codes indicate the status of each job. Tools, machines and materials unique to each job are stored as templates, which can be used for subsequent runs. Schedulers can move jobs from one machine to another or download



The Shotscope NX system offers compatibility with web-enabled PDAs.

jobs from MRP or ERP systems. The Gantt chart displays both the production and the maintenance schedule for each machine. The system uses historical efficiency information to automatically suggest the best machine to run the selected job.

#### User-friendly operating system

Shotscope NX is a web-based application that runs on Microsoft Windows\* operating systems. The system uses Microsoft SQL server database for all data storage.

Simplified user interface (Operator Station) software allows jobs to be easily started—users can enter scrap and downtime and monitor key parameters as parts are being made. In addition to being compatible on Husky and non-Husky machines, the system is flexible enough to measure a variety of parameters.

Contact Husky today for more information on our Shotscope NX system.

**Husky Injection Molding Systems**  
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