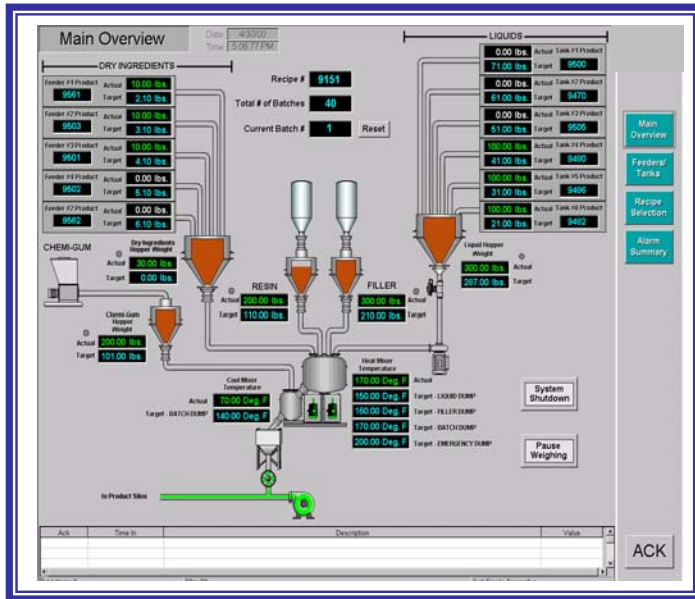


Batch System Improves Quality and Doubles Production Capacity



Malisko Engineering, Inc (MEI) was asked, to provide a Control and Information Management System to a new Batch Process.

GOALS:

- Increasing Efficiency and Speed of Manufacturing,
- Reduce Product Variability Due to Manual Intervention,
- Provide a Flexible System for New Recipe's and Existing Recipe Changes,
- Provide Electronic Batch Records,
- View Real Time Information and the Manufacturing Process from a Control Room,
- Create an Expandable System for Growth to Allow Future Automation of Existing Systems and Equipment.

Malisko Engineering, Inc was involved in design, programming, testing and production support.

ENGINEERING TASKS AND SERVICES:

- Worked with Production Operators, Supervisors, Plant Engineer and Management to Provide a "Ground-Up" Approach to Design a Flexible System,
- Developed Detailed Design Documents and Description of Operations including Batch Tracking, Alarming, Reporting and Historical Data Archiving,
- Provided all Electrical Design Diagrams and Instrumentation Loop Sheets,

- Designed and Provided a New Control Panel,
- ALL Programming – Traditional Batch System Standards, PLC's, PCs, HMI's, Weighing Devices and Networks,
- Configured and Implemented Data Archiving Database and Batch Report,
- Construction Suggestions for Control Room,
- Performed ALL Equipment Checkout and Calibration,
- System Start-Up Support,
- Operator and Maintenance Training,
- As-Needed Production Support (On-site and Remote Access) After Start-Up,

PROJECT SUCCESSES:

- Involved many Stakeholders in the Design from the Beginning,
- Project Met Production & Management's Needs
- Produce Quality and Consistent Product while Reducing Total Batch Time,
- Fully Automated System and Expandable for Future Growth.

For More Information, please contact:

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