

*Our years of experience...  
Your confidence today!*

Food Control Solutions was founded with the singular purpose of providing advanced control integration to the food and dairy industries. Our experts, with an average of 16 years experience, work directly with you in the design and implementation of efficient solutions for your process. We've completed over 500 projects. Here are a few examples:

- **CIP** – supplied a PLC-based, advanced control system with a SCADA node to collect process data, status, and alarms. This information is made available to personnel via a web portal.
- **Production Line** – supplied a PLC-based control system with 42 networked VFD's controlling tray and package movement from tray dropper through freezers to cartoner with multi-vendor coordination.
- **Sauce Cooking & Cooling** – supplied a recipe-driven PLC-based control system for production. Controlled ingredient batching and product transfer through the stages of the process. Heating and cooling loops were PID controlled with feed forward control.
- **High Speed Depositor** – developed in conjunction with MBC Food Machinery. Pump and cut-off nozzle are servo controlled and electronically geared to the line for precise and accurate delivery of product into tray at speeds up to 125 trays per minute.

Our strategic alliance with major hardware and software suppliers, along with our commitment to continuing education enables us to provide leading edge solutions. When interfacing with or upgrading older automation hardware, our long history provides the needed insight.



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## JMP Engineering



For most food manufacturers, raw materials, labor, and energy are the critical cost centers that pose the greatest obstacles for business performance. Working in collaboration with our customers, the **Food Industry Center of Excellence** at JMP Engineering has developed several solutions

targeted at reducing these costs while improving overall manufacturing processes, efficiencies, and product quality. The solutions leverage our engineering experience and lean practices to reduce costs and minimize waste.

- **Turnkey Line Automation and Control** – Solutions that consider total lifecycle cost to reduce labor costs, increase throughput, and reduce scrap. Focused improvements in packaging operations can provide waste reduction, remove bottlenecks and increase overall production.
- **Recipe Management/ Batch Solutions** – Gain control of raw material usage and product yield, track production, improve product quality and consistency with solutions matched to your specific needs.
- **Energy Efficiency** – Energy Monitoring and Targeting systems follow methods for continuous improvement to reduce utility usage and variability. Our auditing services can examine equipment or line processes for areas to target for improvement and help you leverage available incentives.
- **Manufacturing Execution and Data Systems** – Performance dashboards that leverage OEE, quality, maintenance, and waste information; data solutions for traceability and genealogy; ERP integration and manufacturing intelligence. Get started with our free Data Enabled Enterprise™ and OEE Starter Kits.

For these and your other manufacturing and processing needs, contact our Food Industry Center of Excellence where we are *turning business thinking to performance*.



## JMP Engineering

*Turning business thinking to performance*



The Data **Enabled** Enterprise™

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