



“Accuracy, Efficiency, Automation – It’s at the Core!”

Rotary Can Sterilizer Control System Upgrade



PROJECT DETAILS

Project Name

Dall’Argine Control System Upgrade

Location

Central Valley, CA

Project Type

Process Sterilization/Canning Upgrade

Installation

New Electrical & Control System On Existing Equipment

Equipment Installed

Allen-Bradley PanelView, New Control Panel containing Allen-Bradley SLC-5/04 and Panel View

Network

Ethernet

Total System Points

~125

PROJECT DESCRIPTION

Core worked to remove and replace the existing Dall’Argine control system with a reliable, stable, and maintainable control system that provides a solid platform for operational performance. This required redesigning the power and electrical control system, with controls originating at the point of the can stop, including drawings, custom application programs, and descriptive textual documentation.

Core also designed the main control enclosure, housing the components required for proper operation of the Dall’Argine, utilizing an Allen-Bradley PanelView as the operator interface. The enclosure was designed with components that are compatible with the existing spare parts inventory and allow for the connection to existing processors. The remote control enclosure Core crafted serves as the exterior operator interface of the Dall’Argine, utilizing pushbuttons and indicators for the operator interface.

Core worked with the client to locate and utilize the existing motor controls for the power distribution system. Rounding out the project, Core developed new electrical schematics, including detailed field connection diagrams, and an instrument index for the Dall’Argine Control System Upgrade project.

Capping the project, Core developed custom application software for the PLC, PanelView, and modified the existing packaging line control PLC/HMI software in incorporate the Dall’Argine equipment into the overall packaging line. Core worked directly with the clients electrical contractor for installation and performed start-up and commissioning services. After completion of the project, Core performed similar, but more extensive, duties on another Dall’Argine rotary can sterilizer for the same client at a different site.