

WEB HANDLING



TECHNICAL KNOWLEDGE, INDUSTRY EXPERIENCE, PRECISE PRODUCT SOLUTIONS

Sure Controls will work with your company to design and build systems to maintain optimal control. We have service techs and process engineers with client-side experience in web handling. We are here to help diagnose and solve your issues.



Parts

When you call Sure Controls you get a customer service rep who has in-field experience as a service tech. From that first call you will notice a superior level of knowledge that is solutions oriented.

Let us save you time as we have a variety of parts in stock – no 8-week waiting period

- Online Webstore:
<https://www.surecontrols-store.com/>
- Parker Drives
- **Accessories:**
 - Encoder Cards
 - Keypads
 - Programming and Communication Cables
 - Communication Cards



Service

The Sure Controls team has multiple service techs with web handling and drive trouble-shooting experience. The team also includes Process Engineers with client-side experience. Let us help you with:

- Drive Tuning
- Reprogram drives for new web characteristics
- Plant Intelligence
- Web Breaks
- Tension and Dancer Issues
- Buckling, Shifting, Wrinkling and Telescoping



Integrated Solutions

From retrofits to newly designed solutions, let Sure Controls help you get up and running more quickly. Experience unequaled responsiveness, product leadership and design foresight. We build panels and we program:

- PHC
- HMI
- Drivers and Servo Motors



PAST PERFORMANCE



Situation: A customer had an Italian made printing press that was 25 years old. Its drives, PLC and other components were all obsolete. Many features of the machine no longer operated and could not be fixed due to the inability to service the equipment.

Task: To provide a complete control system and a mechanical retrofit package to convert the system from a DC motor to an AC motor system.

Action: Sure Controls provided a complete retrofit package with all new panels, motors and mounts, new safety devices and machine guarding. New PLC, drive and HMI programs were developed from scratch, as there wasn't adequate documentation to convert programs.

Result: The new machine with modern technology allows the plant to troubleshoot the machine themselves. An increase in the line speed and ability to run continuously resulted in much greater machine efficiencies. Connectivity to plant systems allows for remote display of machine productivity and logging process data.

Situation: A company that manufactures papermaking fabrics needed to replace the load cells and controls for the AFL R&D Machine. The controls had been installed in 1991 and were no longer serviceable.

Task: Sure Controls had to determine the best hardware to install and also what electrical design made the most economical sense and was the best long term solution.

Action: Sure Controls determined that supply power should be unchanged and control voltage should be kept constant at 115VAC. Sure Controls supplied replacement load cells, with power supply. The 818 controllers were replaced with more efficient and serviceable EPC3004 controllers. All electrical schematic pages were updated by SC engineers and provided both CAD compatible drawings and in a PDF format. The project also included a factory acceptance test (FAT).

Result: This machine was an R&D machine used for a number of different tasks and scenarios. The newly replaced parts maintained the machine's flexibility. Sure Controls was able to design this solution in such a way that there was no change in the control voltage. Because no power conversion was implemented costs were kept down.

Situation: A Wax Coater Machine, that began its original iteration in the 1930s, was difficult to run and set up because the entire machine was run by two motors. Manual mechanical adjustments were required to vary the speeds throughout the line to achieve proper control.

Task: To provide a turnkey solution to mechanically separate the machine into 7 sections with new AC drives and motors. New PLC and HMI controls were also part of the project scope.

Action: Sure Controls provided a new sub-panel for the main enclosure with new drives, controls and HMI stations. We subcontracted the mechanical package with a local machine manufacturer. The package included mechanical design, motors, gearboxes and mounts.

Result: The increased quality of rolls from the machine eliminated the requirement for product to be reprocessed on another piece of equipment. This removed a production bottleneck and increased margin. Operators could now input machine set-points digitally vs. mechanically. This meant reduced set up time for adjustments. It also ensured that operators input their standard operation conditions.

SIEMENS



START AUTOMATING THE SMART WAY NOW!

📞 800.844.8405
✉ salesinfo@surecontrols.com

Talk to a company that understands manufacturing and what it takes to automate your process, because the last thing you want is a machine that just sits there.

Our goal is to give you a solution that keeps you sm;)ing.

