



Cleveland Motion Controls (CMC) – Metal Saw Application Success Story - Bralco Metals

APPLICATION - BACKGROUND SUMMARY

Bralco Metals was operating numerous automated metal saw machines with outdated, unreliable controls. The mechanics of the machines were in good shape so new machines were not the answer, but updating the controls was critical!

THE PROBLEM

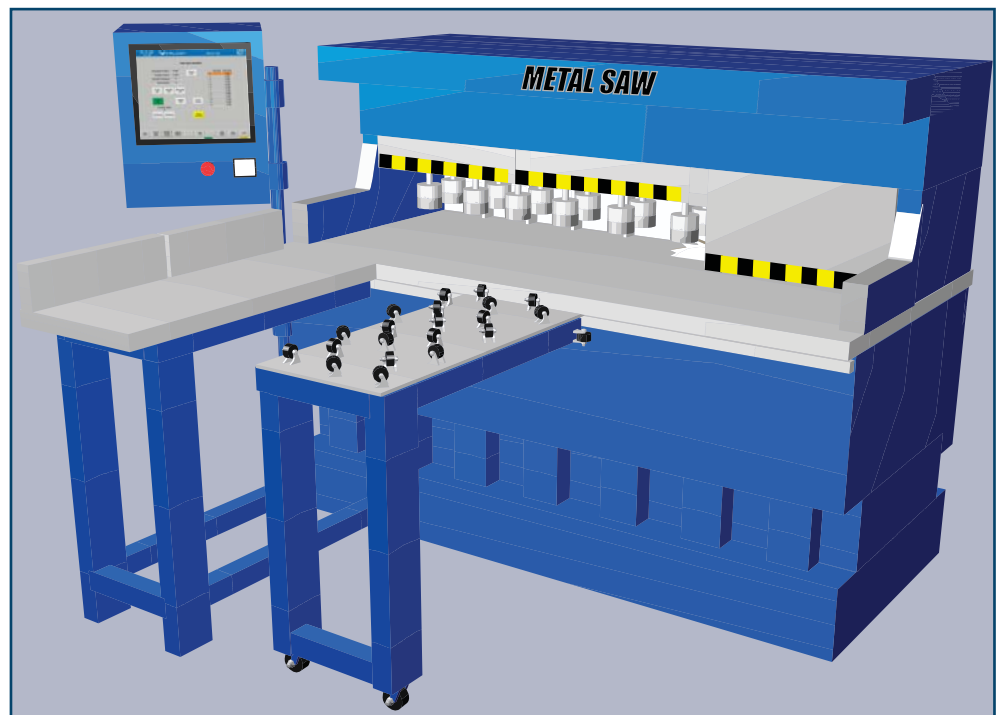
The servo motors, servo amplifiers and motion control system were out-of-date, unreliable and difficult to get service support in a timely fashion. The control system downtime was effecting Bralco's ability to deliver quality product on-time. To complicate matters, Bralco was operating multiple locations throughout the Western and Midwestern United States that required updated controls.

CLEVELAND MOTION CONTROLS SOLUTION

A complete control solution was provided by CMC using FALCON, Motion interface, PLC I/O, Servo Amplifiers and MDM5000 AC brushless servo motors.

CMC's service staff worked on-location to calibrate and tune the new controls to maximize Bralco's process accuracy and throughput.

FALCON is a complete Programmable Automation Controller- PAC Package (IEC 61131-3) that integrates Process Control, Motion Controls, HMI and Open Communications into one easy-to-use platform. With the ability to integrate logic functions, motion and Visualization (HMI) in one platform, it eliminated the need for separate PLC, panel PC and motion systems. This saved



engineering, programming and commissioning time as only one platform was needed.

WHY CMC WAS CHOSEN

Bralco made the decision to move forward with CMC because they realized:

- CMC provides hardware engineering, software programming, manufacturing, and service commissioning.
- CMC is recognized as an industry leader in Metals Processing Controls and has gained unsurpassed expertise in the industry over the past 50 years of building Engineered Systems. Additionally, CMC had already proven its retrofit and system control capabilities on a cut-to-length line at a Bralco facility.

- CMC also possessed the ability to provide additional retrofits, service & support to all Bralco's locations.
- CMC's solution allows for better performance, reduced downtime, and improved productivity.
- CMC maintains a complete service staff which covers the entire US with same day or next day service.

APPLICATION SUCCESS

CMC successfully upgraded the Metal Saw in Bralco's La Mirada, CA facility and solved their control system issues. The project was such a success that CMC was awarded the metal saw retrofits in Bralco's Texas and Kansas facilities.

Your Source for Engineered Automation Solutions

Cleveland Motion Controls provides Automation Solutions to a broad range of industries for a variety of applications. Whether we are selling individual components or a complete engineered system, we can quickly develop real-world solutions that can save you both time and money

- Programmable Automation Controls (PAC), Soft PLC, PC-based Machine Controls
- Servo Motors (brush and brushless)
- Servo Drives
- Web Tension Transducers/Load Cells and Controllers
- AC and DC Drives

Whether you need a retrofit or a new machine design, CMC has the engineering strength, technical experience, product stability and customized options for your industrial application.



Cleveland Motion Controls, Inc.
7550 Hub Parkway, Cleveland, Ohio 44125
tel: 216.524.8800 or 800.321.8072
fax: 216.642.2199
cmcsales@itt.com * www.cmcccontrols.com