

CONTROL CONCEPTS, INC

Yaskawa Premium Distributor | Authorized Service Center | Drive & PLC Integrator | Southern California

Extruder Line Retrofit

Allen-Bradley 1336 to Yaskawa GA800

Control Concepts, Inc. (CCI) is a Yaskawa Factory Authorized Premier Distributor, Authorized Service Center, and Drive/PLC Integrator in Southern California. Our field service team resolves breakdown and retrofit situations regularly, with technicians experienced in control systems, VFDs, and Yaskawa inventory focused on getting customers back up and running fast.



CCI Senior Control Field Engineer commissioning Yaskawa drives.

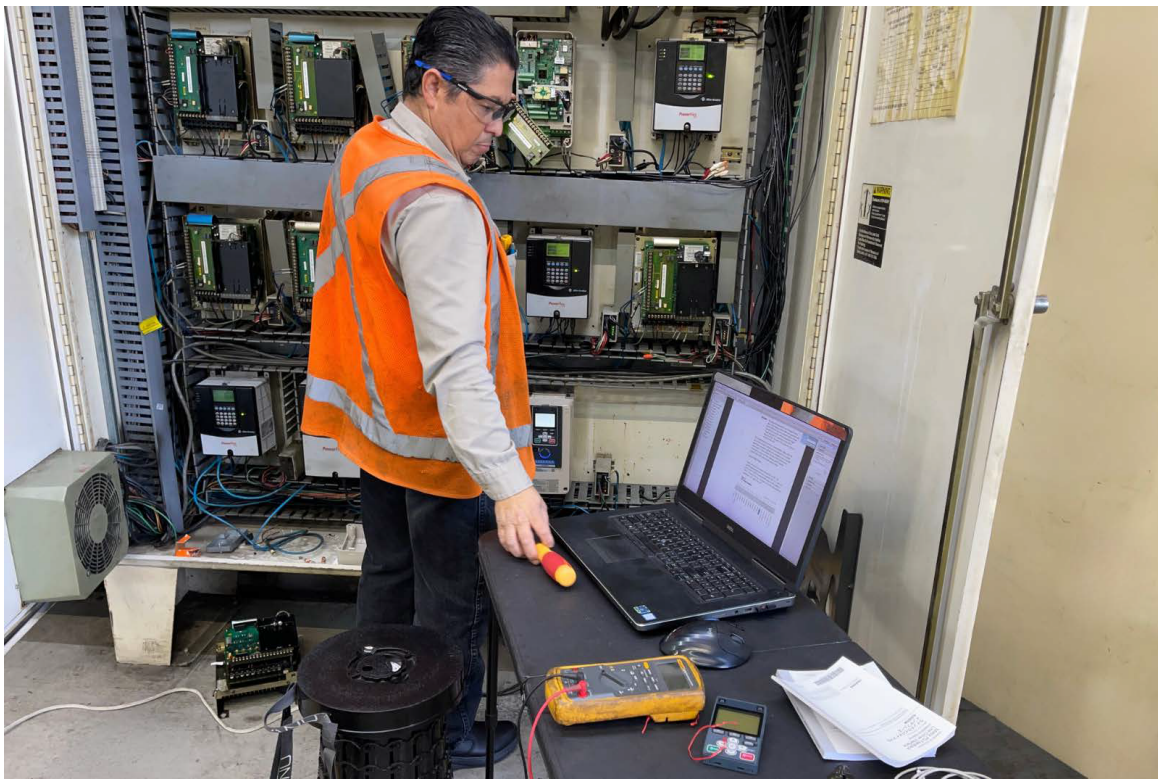
Challenge

A Southern California manufacturer was running a PTi Trident 5000 Sheet Extrusion Line with Allen-Bradley 1336 drives on an Allen-Bradley ControlLogix PLC system. When a 300 HP drive failed, the replacement carried a 5-week lead time at a cost exceeding the entire project budget. The customer was down on a critical main line with customers demanding delivery and could not wait.

Solution

CCI had a Yaskawa GA800 Heavy Duty drive on the shelf in Buena Park and proposed a retrofit the same day the PO was issued. The retrofit involved:

- Removing the legacy AB 1336 drives and installing Yaskawa GA800 equivalents
- Integrating the Yaskawa drive into the existing Allen-Bradley ControlLogix network
- Configuring the Yaskawa drive in closed loop vector mode and auto-tuning to the existing motor
- Mapping all data addresses and speed/current feedbacks from the original drive to the Yaskawa drive
- Programming the PanelView touch screen to operate identically with the new drive
- Full commissioning and functional testing before handoff



On-site commissioning: Fluke multimeter, documentation, and laptop connected during startup.

Results

- Total retrofit time: two days, saving weeks of downtime compared to waiting for the replacement drive.
- Total project cost (installation + PLC integration + startup) came in under the price of the Allen-Bradley replacement drive alone, before any installation labor.
- Customer now has access to off-the-shelf Yaskawa hardware for future replacements, eliminating long lead times on future breakdowns.

THIS IS A RETROFIT CCI PERFORMS REGULARLY ACROSS SOUTHERN CALIFORNIA AT ALL DRIVE SIZES

If your facility is running Allen-Bradley drives and facing a long lead time on a replacement, this retrofit is worth a conversation. CCI carries Yaskawa drives in stock and can evaluate your specific setup with a realistic timeline and cost.

For the full blog post on this retrofit visit:

controlconcepts.com/key-brands/yaskawa | controlconcepts.com/contact-us

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