



Control Concepts completed a 75 HP extruder drive retrofit with a Yaskawa GA800 in one day.

75 HP
TO
GA800

WHAT WE DID

A recurring motor-stall issue could not be resolved through parameter changes on the existing drive. Control Concepts installed a Yaskawa GA800 in open-loop vector mode and tuned it for the application.

ABOUT THE CLIENT

Altium Packaging operates extrusion equipment at its Anaheim, California facility. This project involved a 75 HP drive used on an extruder application.

THE CHALLENGE

A mechanical isolation issue was repeatedly stalling the motor. Numerous parameter adjustments were attempted on the existing drive, but the issue could not be resolved. The application needed a replacement drive that could be tuned to provide stable operation.

THE SOLUTION

Control Concepts replaced the existing drive with a 75 HP Yaskawa GA800 configured to run in open-loop vector mode.

The drive was tuned for the application by reducing torque compensation and adjusting the operating parameters. No network communications were involved in the retrofit.

Control Concepts completed the retrofit in one day. The customer was pleased with how quickly the equipment was back up and running and with how easily the Yaskawa drive could be tuned.

DRIVE CONFIGURATION

75 HP

Yaskawa GA800 VFD

Open-loop vector control

YASKAWA GA800 RETROFIT

Drive replacement

No network communications

THE RETROFIT INCLUDED:

- 1 Assess the repeated motor-stall condition.
- 2 Attempt parameter adjustments on the existing drive.
- 3 Replace the existing drive with a Yaskawa GA800.
- 4 Configure the new drive in open-loop vector mode.
- 5 Reduce torque compensation and tune operating parameters.
- 6 Start up the system and verify stable operation.

THE RESULTS



ONE-DAY RETROFIT

The drive replacement was completed in one day.



QUICK RETURN TO OPERATION

The customer was pleased with how quickly the equipment was back up and running.



APPLICATION-SPECIFIC TUNING

The GA800 was configured in open-loop vector mode with torque compensation and operating parameters tuned for the application.



NO NETWORK COMMUNICATIONS

The replacement drive was commissioned without network communications.

PROJECT AT A GLANCE



75 HP

Drive retrofit

1 DAY

Replacement completed

YASKAWA GA800

Drive platform

OPEN LOOP VECTOR

Control mode

NO NETWORK

Communications

BEFORE

AFTER: YASKAWA GA800



Need to replace an unreliable or difficult-to-tune industrial drive?

SCHEDULE A CALL

Control Concepts provides industrial drive retrofit support for extruders and other equipment - from replacement selection and installation through startup, parameter setup, and application-specific tuning.

800-447-0691