

CONVEYING EFFICIENCY

PROGRAMMING
WITHOUT POWER TO
KEEP UP & RUNNING

YASKAWA SUCCESS STORIES



Legacy drives and limited support were creating risk—until the team found a smarter alternative. A large food processing facility was facing challenges with its aging drive system and limited distributor support. With more than 500 drives in operation and complex conveyor applications, the maintenance team needed a replacement strategy that wouldn't disrupt production.

Product GA500 Series VFD

Industry Poultry

Application Chicken Production Facility

CHALLENGE

The company needed VFDs that could integrate seamlessly into its existing conveyor systems, but leadership was uncertain whether a brand other than the PLC supplier's would easily communicate with the control system. Fast, reliable integration was critical not only to reduce risk during the transition but also to ensure smooth day-to-day operations. With over 500 VFDs in the facility, any drive changeout had to be quick and disruption free, regardless of the time of day, to avoid costly downtime.

SOLUTION

Yaskawa and its Certified Service Provider introduced the plant team to **DriveWizard®**, available on both **PC and mobile**. This tool allows drives to be programmed **without mains power**, anytime, anywhere. After a quick walkthrough, the electrical supervisor confirmed that **any team member** could confidently program a drive **at any hour**.

To prove out system compatibility, Yaskawa also demonstrated its **pre-engineered Add-On Instructions (AOIs)** for **easy PLC integration**, confirming seamless communication with the facility's control system.

As a final step, the customer received a 3 HP GA500 drive through Yaskawa's **"Test Drive"** Program to validate performance in a live environment. After flawless results, the plant began standardizing on Yaskawa VFDs across the site.

COMPANY HIGHLIGHTS

The company is a nationally recognized food processor specializing in poultry products. With a reputation for operational excellence, high-volume production, and a commitment to quality, they are a trusted supplier to major retailers and food service providers across the country.

IT'S PERSONAL

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RESULTS

The facility gained a faster, more flexible approach to VFD deployment. With Yaskawa's DriveWizard® software drives could be configured without mains power, right out of the box. This empowered maintenance staff to confidently handle programming independently, reducing reliance on engineering resources and complex automated routines.

This streamlined process improved responsiveness during drive replacements and eased the load on the controls team. By standardizing on Yaskawa drives, the facility established a more efficient, scalable strategy for maintaining uptime across its extensive conveyor system.

KEY GA500 FEATURES

- The Overvoltage Suppression feature eliminates typical VFD faults related to the excess energy of overhauling loads
- Normal Duty and Heavy Duty ratings for use in variable torque and constant torque applications
- Stall Prevention and Torque Limit features to manage motor current and machine stress to acceptable levels
- Capable of controlling various motor types, including induction, permanent magnet (both SPM & IPM), and synchronous reluctance motors
- Allows programming without connecting main power by use of the DriveWizard® Mobile application. Simply plug into one of your PC's USB ports or any USB on-the-go device and start programming
- All major communication networks are supported via a variety of option boards (RS-485 Modbus RTU is built-in as standard)
- Yaskawa's award-winning 24-hour technical support department is free of charge

Looking to enhance efficiency at your poultry facility?
Contact Yaskawa today.

SCAN HERE



For more information on the GA500 Series VFD visit: www.yaskawa.com/ga500

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