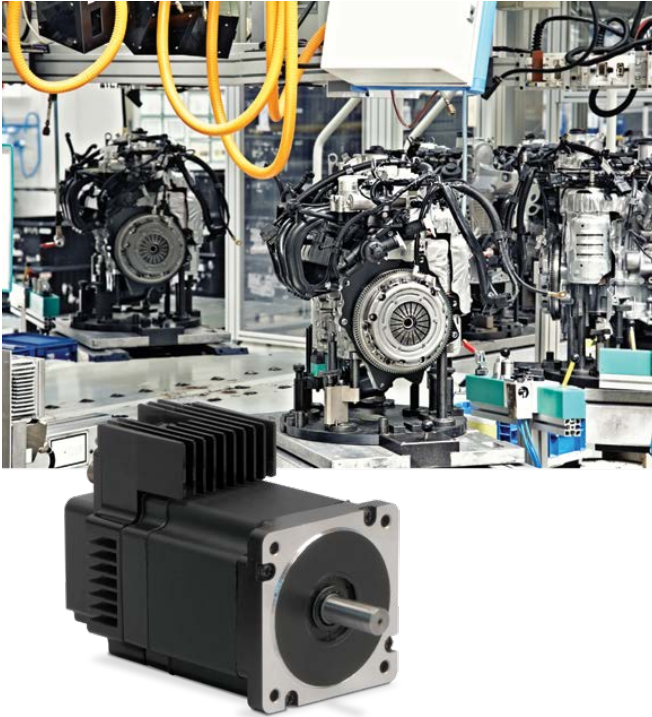


APPLICATION SOLUTION: Conveying Line Speed Control



Product Family: Electric
Product Used: ACSI Servo Motor/Drive/Controller
Product Type: Standard

Application Description:

Accurate speed control for conveyor line moving automotive parts.

Challenge:

An automotive production line integrator required a motion solution that would accurately control speed on the conveyor line, and provide flexibility to switch between multiple ethernet protocol communications for global applications. EtherNet/IP and PROFINET were needed to connect to Rockwell Automation and Siemens PLCs. A servo motor design with an integrated drive on board was requested to reduce cabinet space and wiring.

Tolomatic Solution:

Tolomatic utilized the ACSI integrated servo motor/drive/controller for this application. In addition to eliminating cabinet space, the ACSI's dual Ethernet ports with M12 connectors allowed the drives to be easily daisy-chained together using industry standard cables for reduced wiring. The ACSI accommodated both Ethernet/IP and PROFINET protocols for communication with the OEM's PLCs of choice. As a Rockwell Automation Encompass Partner, Tolomatic was able to provide keyed EDS files built into the Add-On Profiles (AOP) as well as Add-On-Instructions (AOI) for easy EtherNet/IP integration. Working directly with Siemens, Tolomatic was able to build function blocks for PROFINET for quick and easy integration.

Customer Benefit:

- Integrated servo motor reduced cabinet space and wiring
- Accurate control of conveyor line speeds
- Ability to swap PLC controls without changing motor / mechanical design
- Quick and easy integration with Add-On-Profiles (EtherNet/IP) & Function Blocks (PROFINET)