

Smart Screwdriving System

Transducerized Smart Screwdriver ECM-SD3

- » High-resolution position feedback encoder
- » High precision torque sensor signals directly fed to the full closed-loop control
- » Low cogging torque of the AC servo motor
- Indicator light signals screwing status
- Front LED light eliminates shading during operation
- Easily mounted on robots and equipment with a coupling



10 Smart System

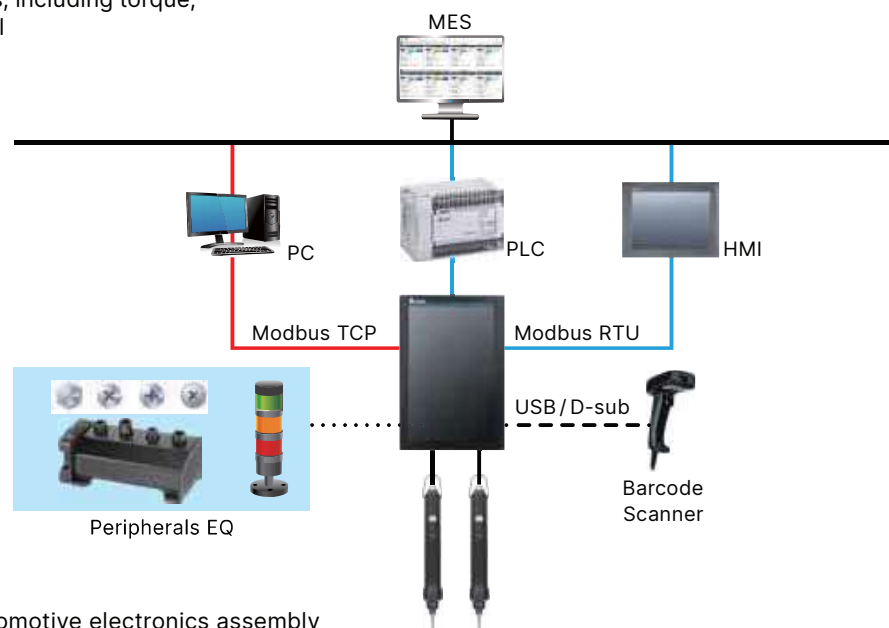
Smart Screwdriving Controller ASD-SD3

- » Dual-spindle control for higher efficiency
- » Enables dual-spindle synchronization and separate operation
- 10.1 inch large screen displays the results of both drivers at a time
- Large memory capacity stores more than 20,000 results

System Features

- Controls two screwdrivers with just one controller
- Stores up to 500 sets of model configurations and 500 screw parameters
- Manufacturing data can be retained at a local machine or uploaded to a manufacturing execution system
- Provides multiple control modes, including torque, angle and seating points control
- Sets two screwdrivers to operate synchronously or at different intervals to meet different needs
- Analyzes defects causes such as stripping, or tilted screws to continually optimize quality
- Ensures implementing the correct screwdriver and processes in operation to prevent resource waste and enhance yield rate

System Structure



Applications

Electronic product assembly, Automotive electronics assembly