Emerson Solution Helps Automotive Supplier Solve Valve Manifold Failures

RESULTS
• Eliminated valve manifold failures that caused production delays
• Provided easy diagnostic and configuration information with onboard graphic display
• Offered rapid product availability

APPLICATION
Welding cell

CUSTOMER
Automobile seat manufacturer

CHALLENGE
An automobile seat manufacturer experienced electronics failures with the Ethernet valve manifolds in its welding cell. Power surges were burning out the manifolds, shutting down welding operations until replacement modules could be installed. The existing valve manifold supplier was not responding with new components in a timely manner, causing delays to the manufacturer’s production schedule. The seat producer wanted a new valve supplier that could provide reliable products with rapid delivery.

SOLUTION
The automobile seat supplier selected Emerson’s ASCO™ G3 Ethernet node, I/O module, and Series 502 directional control valves for its unique ability to offer visual diagnostic information. The G3 platform’s graphic display presented clear and concise data that allowed technicians to rapidly identify and resolve performance issues. In addition, the display enabled easy commissioning and configuration as new valves were added. Replacement manifolds and valves were readily available through the local ASCO distributor and Emerson’s express shipping program. The combination of products and technical support eliminated the manifold failures in the welding cell. The customer is now considering the use of the G3 electronic platform on two of their conveyor lines.

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For more information:
www.Emerson.com/ASCO