Brake line testing

RESULTS

• Fulfilled customer’s desire for plug-and-play capability
• Provided easy commissioning and maintenance
• Allowed easy I/O expansion

APPLICATION
Brake line air testing machine.

CHALLENGE
A large automotive supplier builds brake lines for multiple industries. The company wanted to incorporate additional automation in their air-testing machines. These machines are used in the quality-control process for brake line production.

SOLUTION
The supplier chose Numatics for its air-testing machine automation package. These products included the compact, next-generation G3 10-station valve manifolds with Ethernet IP. The customer liked the G3 platform’s modularity and plug-and-play design that allow easy access to connections plus user-friendly commissioning and maintenance. These benefits were particularly important, since the customer planned to add more I/O in the future. The supplier also purchased Numatics Series R heavy-duty rotary actuators.

The G3 manifolds and Series R rotary actuators were installed on 12 air-testing machines and have fully met the customer’s automation requirements. Additional Numatics products will be specified as the automotive supplier upgrades additional production lines.

While providing the desired automation, Emerson solutions offer user-friendly commissioning and maintenance. The modular design with plug-and-play capabilities also ensures scalability for future growth.