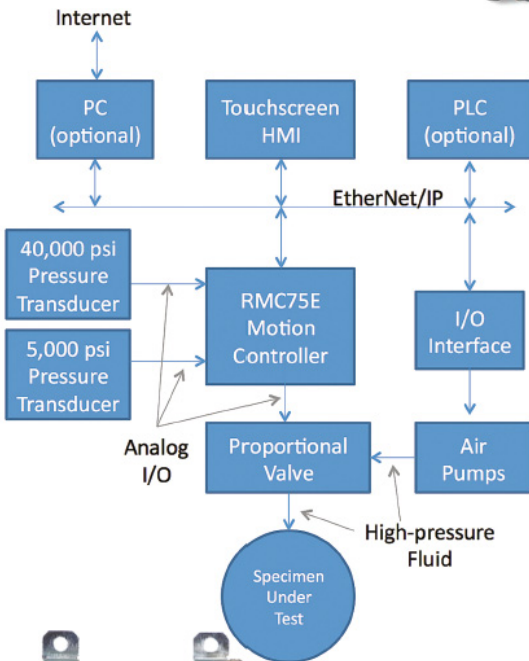


Motion Controllers Automates Hydrostatic Pressure Testing

At a Glance

- Project: Oil & Gas
- Company: Wilson Company Systems Division
- Location: Addison TX
- Challenge: Wide Pressure Range requires multiple sensors for Accuracy over full range
- Solution: Custom Feedback Switching of sensor inputs
- Benefits: Accuracy and Verification



Summary: A flexible hydrostatic test system for the oil & gas industry (and other industries) must precisely measure a wide range of pressures. Because the products or tools tested vary widely, most testing was done manually up until now. In the past, each time the test is performed there was a variation in results. In extreme cases, the maximum rated pressure is exceeded causing damage.

Challenge: Automation for increased safety accuracy and reduced variation in results.

Solution: Automation allows separation of the operator from the high pressure for safety reasons and narrows the variation from test to test eliminating damage from excessive pressures. Wilson Company's Systems Division of Addison Texas has developed the IntelliTest[®] intelligent hydrostatic test system (see Figure), a system that precisely applies the specified hydrostatic pressure, and yields highly-accurate pressure data across a very wide range. For a PDF <http://www.wilson-company.com/IntelliTest%20Intelligent%20Hydrostatic%20Tester%20Series.pdf>

Benefits: For Wilson Company customers, a main advantage for the IntelliTest system automation allows for scalable configurations of static and dynamic test cycles. Besides speeding the testing process and improving the reliability and repeatability of test results, automating the test process also improves the safety of the process because the operator station can be located farther from the test equipment.

“The automation, control and repeatability delivered by our proprietary design provides a distinct advantage over traditional manual or limited automated test systems, which may display some measurable variables but offer no discernible controllability, response or comparable technology,” said Dave Pellerin, Wilson's VP of Engineering.”

