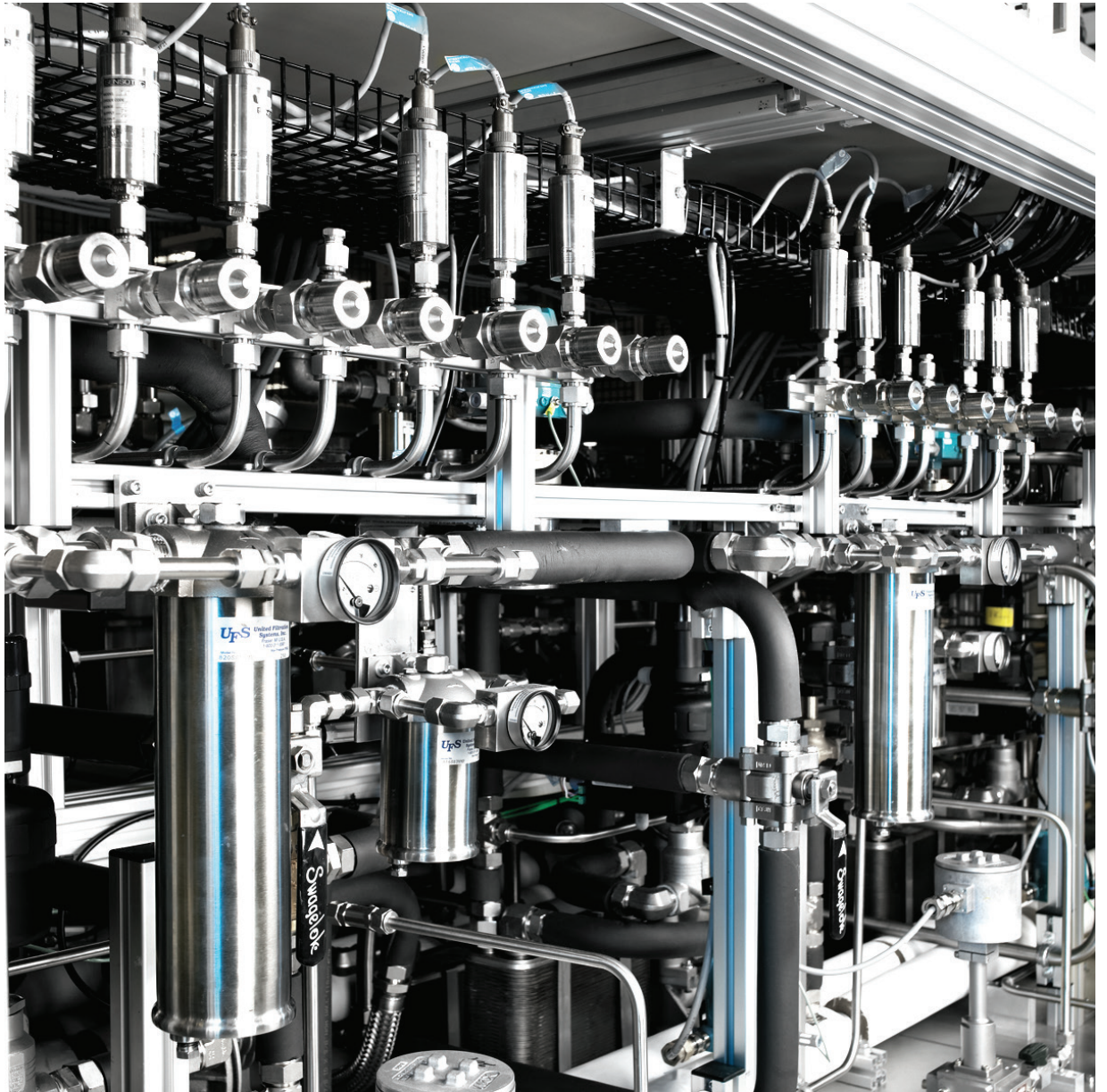




Pneumatic/Fluidic Test Systems



TEST SYSTEMS



Pneumatic/Fluidic Test Systems

Description

As a leading innovator in manufacturing automation, ATS has developed integrated test systems for some of North America's leading companies. We offer a broad range of standard test solutions to meet the most challenging requirements, including: Hydraulic and pneumatic pulsed flow testing, Hydrostatic and fluid/pneumatic component performance test systems.

Applying our proven expertise in automation systems, we incorporate diverse technologies to develop cost-effective test solutions for applications for products such as valves, Hvac , Turbo Charger, pumps, compressors and fuel cell plates.

Hydrostatic systems have specific requirements in terms of component selection, material selection, circuit design and tuning. ATS Test has successfully implemented systems using, various fuel and water types.

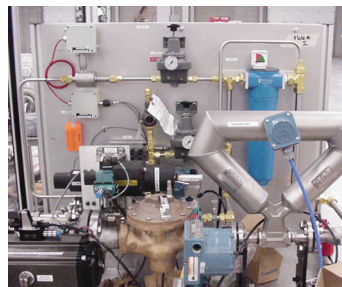
Our leak & flow test solutions deliver extremely fast cycle times while maintaining true Gauge R&R. What's more, we design and manufacture the fixturing, cast urethane seals and leak test plugs for our systems entirely in house. The result is a total single-source test solution.

Specifications:

- Single-source 100% custom test solutions from standard designs
- Full functional EOL or in-process verification/calibration/durability
- Integrated birth history/traceability/configuration/SPC archiving capabilities
- Optimize test cycle time with minimum fixtures to maximize ROI

Expertise includes:

- Air, Water, Fuel test fluids
- Differential pressure Testing
- Pressure decay, Custom Pressure Isolation
- Pressure / Flow Signature Analysis
- Accurate Temperature Control
- High-vacuum helium mass spectrometry
- Hydraulic and pneumatic pulsed flow testing
- Pressures from 0 – 20,000 psi range
- Rate of Change 0 – 500 Million psi/sec
- Flow rates from 0-750 kg/hr
- Custom Seal Capabilities



Contact ATS directly for application review or for product specific applications beyond the scope of this document.



A U T O M A T I O N

Tel: 1-(905)-850-8600 ext. 83279

Fax: 1-(905)-850-9336

Send e-mail to: atstest@atsautomation.com

or visit our web site at: www.atsautomation.com

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