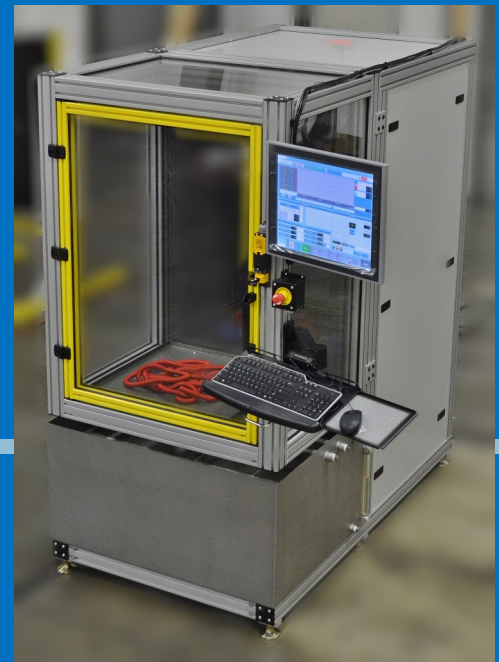
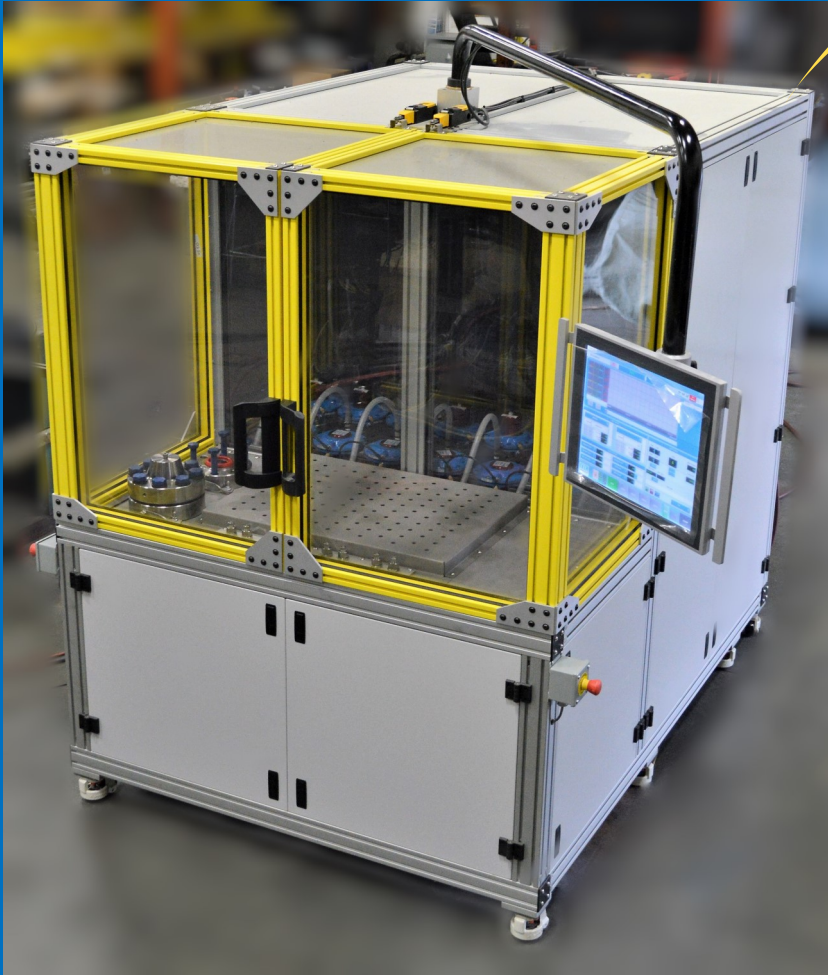


INTERLAKEN TECHNOLOGY

“We’ll make it, or we’ll help you make it.”



Pressure Testing Systems
Leak Testing
Burst Testing

Combining its expertise in ultra-high pressure, controls, data acquisition, and high force hydraulics, Interlaken's integrated package of pressure testing systems

offer the dependability required for production coupled with the precision and repeatability necessary for R&D. Standard systems are available for pressures up to 100,000 psi (7000 bar). A network ready digital controller provides closed loop machine control and real-time data acquisition. Leak and Burst testing for applications in markets using:



- Pipes
- Fittings
- Hoses
- Valves
- Vessels
- Chambers
- Brake Lines
- Steering Pumps
- Fuel System Components
- Iron Castings
- Weldments
- HVAC, Automotive, Aerospace



Advantages of the Interlaken System...

- Custom, quick-change fixtures for high volume production
- Universal configurations for R&D work
- Data acquisition and analysis
- Integrated, precise sensor technology
- Part marking
- Networkable
- Servo-controlled high pressure
- Automatic leak detection
- Touch screen interface
- Systems may be integrated into production lines or stand alone

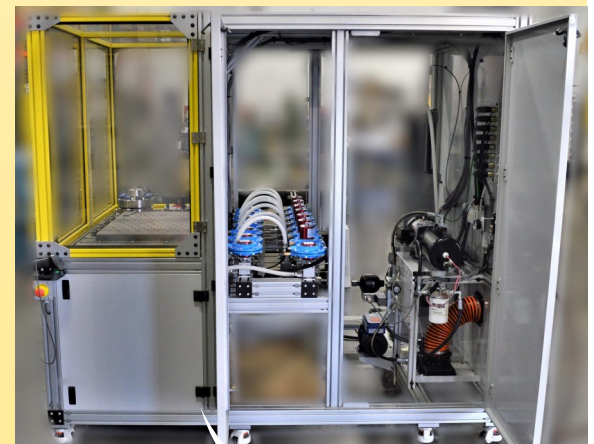


Standard or Custom Design...

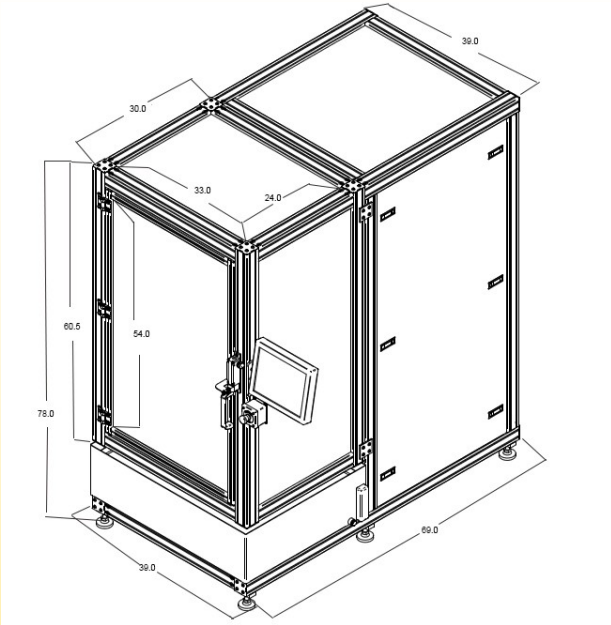
- Multi-pressure circuit capability
- Servo-controlled intensifier
- Hydraulic power supply
- Low pressure part filling and pressure intensifier charging
- High flow pump with indicated filter
- Reservoirs with low & high level switches
- Pressure and temperature sensor on the inlet side of the test piece
- Safety glass door with integrated safety locks
- Easy load/unload access
- Spacious testing area
- Single point pressure connection port
- Convenient access to mechanicals
- Ergonomic design
- Configurable HMI



ITC equipment meets all OSHA requirements for operator safety. Interlaken is a UL508A panel shop. All electrical equipment is UL/ULC labeled.



Testing System Dimensions (example)...



Overall System Dimensions 81 in. Deep x 57 in. Wide x 78.5 in. Tall (2057mm x 1448mm x 1994mm)

Internal Test Chamber Dimensions 24 in. Deep x 33 in. Wide x 44 in. Tall (609mm x 838mm x 1117mm)



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Specifications...

Servo Valves:

Servo valves regulate oil pressure of the hydraulic actuator controlling the pressure intensifier. Servo valves are used to maintain highly accurate control of flow, pressure, or position of hydraulic components and fluids.

Pressure Transducers:

Pressure transducers will be used to control the pressure coming from the pressure intensifier and also for monitoring and data collection. The pressure transducer used for data collection during the testing will have specifications as shown below:

Accuracy	±0.10% full scale
Linearity	±0.10% full scale
Hysteresis	±0.05% full scale
Media	All gases/liquids compatible with wetted parts
Resolution	Infinite
Calibration	5-point calibration: 0%, 50%, and 100% of full scale

Pressure Testing Systems

