Wellbore Solutions

iFAST *Patent Pending

Fully Autonomous Pressure Test Unit

APPLICATIONS

- Equipment Assurance Testing
- Pressure Control Equipment Testing
- Pressure Test Bay standard compliance
- BOP Testing
- Vessel Testing
- Pipework/Spool Testing
- Pipeline Testing

BENEFITS

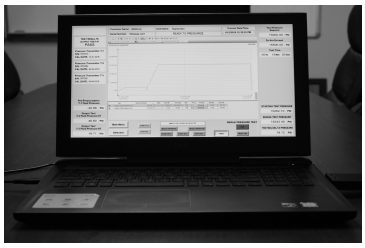
- Removes personnel from hazards associated with pressure testing
- No human influence once test is initiated
- Reduced infrastructure costs
- Eliminates travel risk & associated costs
- Highly portable to any location (4'x4')

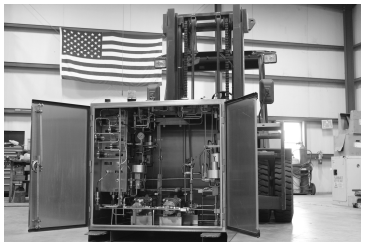
FEATURES

- Team view compatible
- Remote ESD software controlled with redundancy
- Software controlled over pressure protection
- Autonomous testing sequence
- Predictive test output
- Lightweight compact design
- Redundant communication circuit
- DNV 2.7.2 compliant lifting frame

REQUIREMENTS

- 120 VAC
- Air supply
- Water supply
- Fast fill capable





The fully autonomous pressure testing units is designed to completely remove the operator(s) from the hazards associated with pressure testing operations. The unit can be equipped with proximity sensors that can be used to monitor the test area and terminate the test should a person enter the test area during an active operation. The operator(s) can start, monitor, validate, verify, and terminate the unit(s) test sequence via an HMI across a wireless network or secured wireless network if required. The unit has the ability to broadcast, via the remote viewing application using any personal device, the test sequence in real time to be witnessed and validate/verify remotely via a secure/unsecure website or remote viewing application. The system will also record and store the test sequence for future verification/validation. This accommodates remote locations, where a network, cellular, or Wi-Fi service is unavailable. Once the unit(s) has determined a successful completion of a test sequence the unit will auto-generate a report. There is no human influence that can determine the successful completion of the test sequence. The report can be digitally signed by the test operator with a Personal Identification Verification credential (PIV) (i.e. Transportation Worker Identification Credential, Smart Card, Magnetic Card reader) or Bio Metric reader via the HMI. Also, a witness who is present or remotely monitoring can validate/verify the test sequence via a secure/unsecure remote viewing application (website) using a PIV or Bio Metric reader to confirm their credentials.