

## Manufacturer of

- Leak Testing Machines
- Leak Tester
- Flow Tester
- Quick Sealing Connectors
- Functional Test Benches



## About Us

S-Tech Automation systems is leading manufacturer of Leak Testing Machines, Differential Pressure Leak Tester, Mass Flow Testers, Quick Sealing Connectors & Functional Test benches for Automotive, Medical & Packaging Industries. With a wide experience of 20 + years of owner of the company leads to enhance the quality, reliability, user friendly, long lasting trouble free products for serving industrial Leak Testing applications in Indian & abroad market.

### Our Main Products

- Leakage Testing Machines
- Differential Pressure Leak Tester
- Pressure drop Leak Tester
- Mass Flow Tester
- Quick Sealing Connectors
- Under water Leak Test Machines
- Functional Test Benches

### Advantage with us

- With an Individual experiences of more than 20 years in the field of Leak Testing
- All facility under one roof
- Equipped with all manufacturing facilities
- Innovative & reliable solution
- Customised solutions as per applications
- Committed for prompt after sales service

## Pressure Leak Testing

We offers a complete line of instruments suitable for leak detection, flow and volumetric tests, normally used in the production of test benches and more industrial machinery. The range of instruments and equipments for Leak Testing and Flow Measurement can satisfy many different requirements; absolute and differential Leak Testing and Flow Measurement.

#### **Leak Testing provides the following benefits**

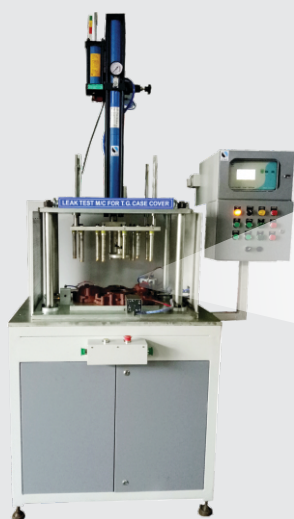
- Produces quantifiable results
- Calibration to the relevant standards
- A fast clean and dry test
- Easily incorporated into an automatic or manual line
- Automated pass/fail limits
- Data outputs for SPC analysis

## Leak Testing Machines

We develop high - quality Leak Testing Machines using our in-house manufacturing capabilities to meet customer's specific requirement by delivering fast production with keeping economical cost solutions. Our such wide experience in the field of Leak testing make it possible to deliver the best products which is worth for money. Our special sealing designs enhances the quality, productivity & very accurate measurement of the product being tested.

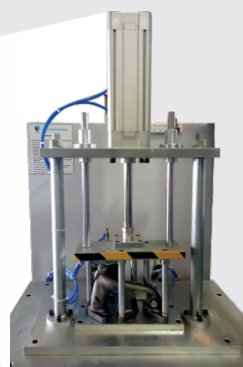
### Leak Testing Machine for Transmission Gear Cover

Test Pressure: 2 Bar, Allowable Leak Rate: 2 cc/min



### Leak Testing Machine for Manifold

Test Pressure: 2 Bar, Allowable Leak Rate: 4 cc/min



## Leak Testing Machine for Turbine Housing

Test Pressure: 2 Bar, Allowable Leak Rate: 2 cc/min



## Leak Testing Machines for Various Components

Case Upper, Case Lower, Flush Tank, Compressor Hsg Bracket, Cylinder Block, Intake & Exhaust Manifold.





## Leak Testers

Our indigenously developed Leak testers are based on the principle of differential pressure measurement and pressure drop measurement. Our standard leak test instruments with specially designed fixtures and sealing mechanisms using the in house design facilities to provide the best solution to suit the specification. This test machine capability is enhanced by our experience in automated production line equipment and process automation resulting in a complete service to industry.

### HS Series

INNOVATIVE | HIGH PRECISION | EASY TO USE | VERSATILE



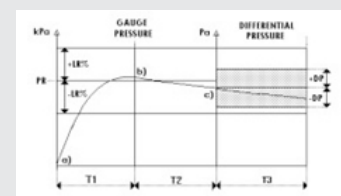
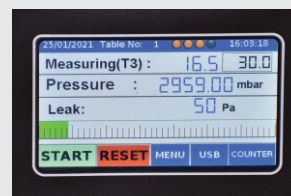
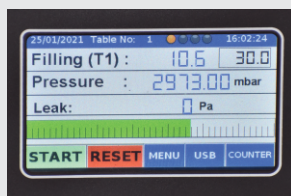
#### Specifications:

- Pressure Range: 0.1 to 12 bar
- Resolution: 1 pa , 0.1 Pa
- RS 485 / RS 232
- 4.3" Touch Panel
- Pass ward protected
- Selectable various pressure unit
- Selectable leak unit
- Manual or Electronic Pressure Regulation
- Prefill Arrangement for Large Volumes
- Graphical Presentation
- 100 selectable tables

Our next generation electronic leak tester is best outcome for ensuring best quality in a leak testing applications. Leak Testers display can easily gets accessible for operator.

Leak Testing Phases: FILLING + SETTLING + MEASURING = PASS OR FAIL

Principle of Leak Testing



Results Indicating Display

Data Acquisition Interfacing



Models Available For Pressure

For Vacuum

Rear view

- HS 803\_EL
- HS 804\_EL
- HS 805\_EL
- ELTD 803\_R 02

- HS 303\_EL



## Flow Testers

Our indigenously developed Flow Testers are based on the principle of Mass Flow Measurement. Our standard Mass Flow Instruments with specially designed in accordance to meet specific quality requirement of the applications.

Mass Flow Testers are used to measure flow rate especially for exhaust systems. This Flow Testers are designed for quick test by measuring the flow rate of air through the product being tested at well defined pressure.

### MODEL HS 603\_EL

INNOVATIVE | HIGH PRECISION | EASY TO USE | VERSATILE



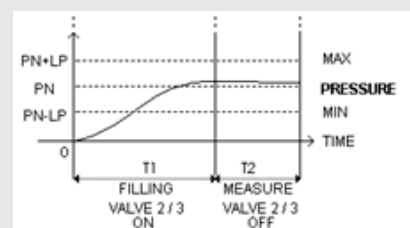
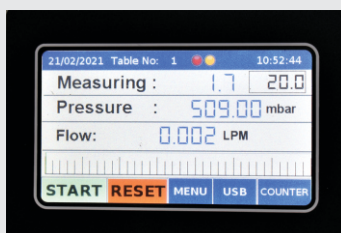
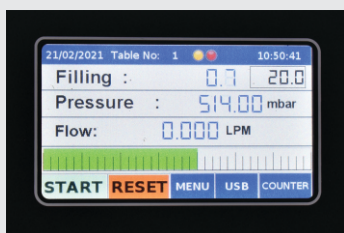
#### Specifications:

- Pressure up to 2 bar
- Flow rate measurement 0-5 LPM, 0-20 LPM, 0-50 LPM
- Resolution: 0.001 LPM
- RS 485 / RS 232 communication

Our next generation electronic Flow Tester is best outcome for ensuring best quality in a flow measuring applications. Graphical presentation ease operator to get proper monitoring of process.

Flow Testing Phases: FILLING + SETTLING + MEASURING = PASS OR FAIL

Principle of flow testing



Results Indicating display

Data Acquisition Interfacing




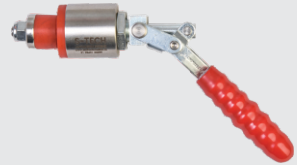




Rear view



## Quick Sealing Connectors

In order to get accurate results, the products being Leak Tested must be leak tight. To ease this operation we have designed user friendly quick sealing connectors. The same can be operated manually & pneumatically for quicker operation.

Types of Sealing Connectors : Internal Diameter | External Diameters | Threads

Internal Diameter	Pneumatically Operated	Manually Operated
		
External Diameter	Pneumatically Operated	Manually Operated
		
Internal Threads	Male Thread Connector	Female Threaded Connector
		

## Special Connectors



## Few of Our Esteemed Customers



## S-Tech Automation Systems

Leak and Flow Testing Equipments

**S-TECH**  
AUTOMATION SYSTEMS

- Br. Off. & Works: Plot No. 220, Sector -10, PCNTDA, MIDC Bhosari, Pune - 411026.
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