

Air Leak Test Machine

Pressure-Decay Leak Detection for Production-Line Quality Assurance

TECHNIC
TF SPL



The TF SPL Air Leak Test Machine uses the pressure-decay method to detect micro and macro leaks with high repeatability — no water, no drying, results in seconds. Ideal for end-of-line and in-process quality assurance across high-volume manufacturing.

KEY FEATURES

- Pressure-decay & differential-decay
- High-resolution, drift-stable sensing
- Recipe-based setup per part
- Digital ACCEPT / REJECT + leak value
- Fast cycle — production ready
- USB data logging & SPC export
- Master-leak self-check option
- Multi-station & automation ready

SPECIFICATIONS

Test Medium	Air / Nitrogen
Test Method	Pressure / Diff. Decay
Test Pressure	Up to 40 kg/cm ²
Leak Units	Pa / mbar / cc-min
Control	PLC + HMI
Result	ACCEPT / REJECT + value
Cycle Time	From ~3 s (app-dependent)

MODEL RANGE

- **Economy**
Gross / functional-leak checks
- **Standard**
General production leak testing
- **Fine**
Differential decay — micro / fine leaks
- **High-Pressure**
High-pressure components

CONFIGURATIONS

- Single-Station Benchtop
- Automatic Machine
- Twin & 4-Station
- Desk-Type Console

APPLICATIONS



Automobile



Ball Valve



Mono Block Pump



Mechanical Seal



Water Tap



Fire Extinguisher



Refrigerator



Air Condition

Let's specify your Air Leak Test Machine

Share your part drawing and leak specification — we'll configure and quote the right machine.

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