

Highlights

- Fast, flexible, economical
- Access simple air and trace gas testing
- Manual or automated operation possible
- Prepared for interchangeable tools (with coding)
- Network-capable and expandable



Standard Test Bench System for Leak, Function, and Trace Gas Testing

Quickly implemented. Cost-efficient standardization. Flexibly configurable.

With FlexStation, innomatec offers a standardized test bench platform for fast, flexible, and economical implementation of leak testing systems—from quotation to delivery.

Three defined basic models form the foundation and can be precisely adapted to your component, cycle time, and production environment using clear option packages.

Fast time to production

Standardized frame platform reduces engineering effort and speeds up quotation, implementation, and delivery time.

Flexible design

Manual or automated, air or trace gas testing, optional safety technology—tailored to your process, operating concept, and budget.

Integrated for production

Pneumatics, measurement technology, and electrics are integrated into the rack, including clean media routing and ergonomic standards.



Example of FS-21 with modular configuration

AREAS OF APPLICATION

FlexStation is designed for:

- Leak testing (air) with innomatec LTC Leak Test Computer
- Functional tests (integration possible)
- Trace gas testing (helium and forming gas)
- All innomatec measurement and testing methods possible, depending on component and quality requirements

TECHNICAL HIGHLIGHTS

Applies to all FlexStation models

- Pneumatics, measurement technology, and electrics integrated into frame
- Flexible media supply; cable ducts integrated into frame profiles
- Ergonomic standard: recessed front panel for legroom during manual loading
- Upper frame with tinted polycarbonate panels (reduces light and temperature influence for air leak test and camera or scanner applications)
- Integrated functional testing possible
- Status indicators via signal lights

PRODUCT FAMILY 3 BASE MODELS + EXTENSIVE MODULAR CONFIGURATION OPTIONS

FlexStation is built on three standardized base frames (FS-11, FS-15, FS-21), all with organized media and cable integration and proven component logic. Options such as safety, HMI, identification, automation, and more are added modularly—quickly and easily, without special machine project lead times.

FlexStation Base Models

Model	Machine width	Typical application	Typical loading width*
FlexStation FS-11	~1,100 mm	Compact station, manual /semi-automatic	~900 mm
FlexStation FS-15	~1,500 mm	Standard cell, wide variants	~1,300 mm*
FlexStation FS-21	~2,100 mm	Large cell / automation / rotary indexing table	~1,800 mm*

*Approximate value (insertion width depends on model/options)



Example of FS-11



Example of FS-11



Example of FS-15



Example of FS-21



+ Modular Configuration Options

Safety features (depending on process/standard concept)

- Two-hand operation
- Light grid attachment with and without rear step protection
- Lifting door

Ergonomics/service

- Maintenance doors possible on all sides (with query or interlock)
- Set-back machine roof for top loading
- Storage platform for leak test computer and/or accessories

Electrics / HMI / control cabinet

- Mobile panel
- Integrated HMI in the control cabinet
- HMI on swiveling support arm/housing
- Integrated control cabinet
- Separate control cabinet
- Version without control cabinet

Control / test technology

- Siemens PLC
- innomatec Leak Test Computer (LTC)

Query / labeling / traceability

- Marking unit for OK/NOK marking
- Scanner/camera query
- Presence/position query

Execution / automation

- Rotary indexing table (FS-21 cell only)
- Power unit/press frame
- Drawer system
- Test air conditioning

Common Configuration Examples

FlexStation FS-11 with LTC-503

Used for air leak test, manual

Compact manual test cell for quick integration: ergonomic access, integrated media guidance, LTC-based. Ideal for frequent variant changes with coded changeover tools.

FlexStation FS-15 Safe

Used for air + functional testing, safety-compliant

Standard cell with safety technology (e.g., light grid/lifting door), integrated function test, HMI/panel according to factory standard. Clean production standard with high flexibility.

FlexStation FS-21 Auto

Used for trace gas, automation, high cycle rate

Large cell for automation and high cycle performance, with optional rotary indexing table, separate control cabinet, traceability modules (scanner/camera, OK/NOK marking).

**A wide range of configurations are possible!
Define your component, test method, and cycle time—innomatec will configure your ideal system.**

Contact innomatec for your ideal test bench solution

Fast, cost-efficient, and production-ready—we help you configure the right FlexStation for your component, cycle time, and production environment. [Contact our team today!](#)