

LIPPKE® 4000 Series

Product Accessories & Services

The Lippke® 4000 Series Package Test Systems are the most advanced combination seal strength & seal integrity packaging testers offered. The design includes over 15 standard features, 8 test modes and the most product accessories available to ensure the ability to test virtually any consumer package.

The 4000 Series offers a comprehensive selection of optional validation documents, templates and services expertly developed for pharmaceutical & medical product manufacturers, making it the finest choice for regulatory compliance testing.



Lippke® Model 4500
Package Test System



Lippke® Model 4000
Package Test System



MOCON®'s MultiCheck™ System

Additional MOCON® Products:

- Headspace Analyzers
- Single & Multi Jaw Heat Sealers
- Hot Tack & Peel Strength Testers
- Tensile Strength Tester

Package Fixtures and Accessories

- **Restraining Plate Enclosure with Closed Package Fixture**
Meets ASTM F2054 for burst test of closed flexible packages.
- **Restraining Plate Enclosure with Pneumatic Open Package Fixture**
Meets ASTM F2054 for burst test of open flexible packages.
- **Combo Closed Package Fixture & Headspace Gas Analyzer**
Perform several tests on the same package with the MultiCheck™ Series. This combination system performs seal strength, seal integrity, and oxygen headspace analysis with ease, making this system ideal for performing tests on modified atmosphere packages. (More complete information on the MultiCheck Series available upon request).
- **Valve Testing Unit™**
Available to add to the Lippke or MultiCheck Series for testing one-way degassing valves commonly found in coffee packaging.

mocon®

Lippke® 4000 Series Optional Product Accessories & Services

Package Fixtures

• Restraining Plate Enclosures

Steel enclosure with precision machined hardware for quick, 1/4" increment height adjustments up to 3". Enclosure assures safe, balanced distribution of force across seals & seams for accurate results and meets ASTM F2054 and F2095 Standards

Available in two sizes:

Standard Sized Packages – Enclosure area: L 15.75" x W 9.05" (400mm x 230mm)

Large Sized Packages – Enclosure area: L 18.9" x W 13" W (480mm x 330mm)

- Closed Package Fixture capable of testing most types of metal, rigid, plastic and film based packages
- Closed Package Fixture with restraining plate enclosure
- Pneumatic Open Package Fixture
- Pneumatic Open Package Fixture with restraining plate enclosure
- Manual Open Package Fixture
- Intravenous (IV) Bag Adapter
- Tube Adapters
- Valve Testing Unit

Computer / Printer

- Seiko® Model DPU 414, 40 Column, Thermal Printer
- Hewlett Packard® Desktop PC, Intel® Dual Core Processor, 1GB RAM, 80 GB SATA 7200 Hard Drive, 17" L1706 Monitor, PS/2 Keyboard, USB
- Optical Scroll Mouse, CD RW/DVD ROM, Integrated Speakers

Accessories

- Filter Set for Closed Package Fixture. Recommended for use when testing filled packages containing moisture, liquids & powders. Compatible with all probe designs
- Pressure Reducer
- Septa, Grey. Recommended for use with sharp test head probes, 4mm, testing rigid packages
- Septa, Black. Recommended for use with sharp test head probes, 4mm, testing flexible packages
- Septa, Black. Recommended for use with flat test head probes, 3mm, testing shallow packages or for use with the Mono-Probe injection system
- Probe, Sharp. Recommended for use with test head, used to pierce dense materials, semi-rigid and rigid packages
- Probe, Flat. Recommended for use with test head, used to test thin materials and shallow packages
- Probe, Dual Probe, Sharp. Recommended for use with test head, used to test porous packages which require high air flow to perform tests
- **Air Filter Set. Recommended to eliminate contaminants in supply air**

Technical Services

- Factory Certified Calibrations
- Extended Service Plan
- In-Field Operation & Maintenance Training
- IQ Templates
- OQ Templates
- IQ, OQ, PQ Validation Services
- Test Method Validation Plan Templates

MOCON® Commitment

MOCON's testing, consulting and analytical services are another example of MOCON's long-standing commitment to innovation and quality in the design of package testing systems for total package integrity.

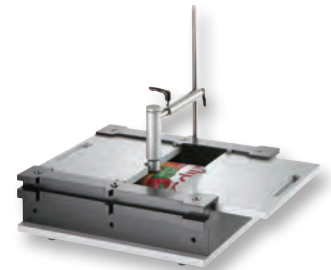
Technical Support & Service

MOCON offers a variety of technical services designed to provide you with first class support. Whether you require next-day spare parts delivery, on-site training, N.I.S.T. certification or "turn-key" validation, our staff can tailor a service program to fit your needs. Our goal is to provide the best in product support services.

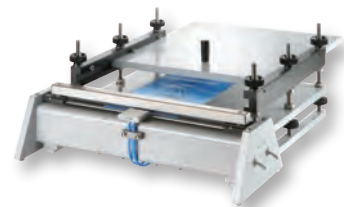
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MOCON reserves the right to change specifications without notice as part of our continuous program of product improvement.

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Restraining Plate Enclosure with Closed Package Fixture



Restraining Plate Enclosure with Pneumatic Open Package Fixture



Closed Package Fixture with Tube Adaptor (also shows filter set & sharp probe)

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