Automated testing System partner for high quality







Hydraulic functional testing

Electropneumatic testing

LIWO automated testing:

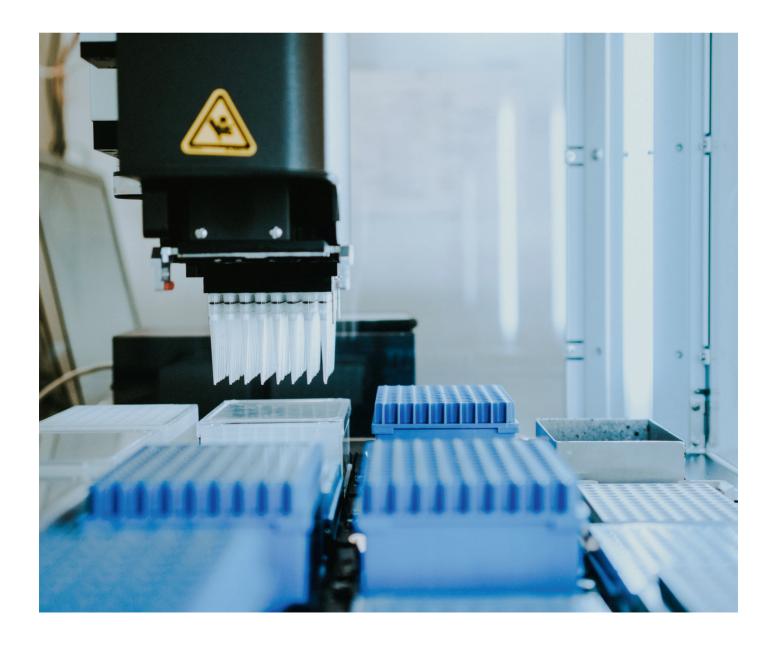
The specialist for your industry





LIWO automated testing has been familiar with the processes, test methods and quality requirements in the automotive, pharmaceutical, medical technology, semiconductor, gas/water industries for decades and develops efficient system concepts for these markets.





The testing and measurement technology from LIWO delivers what it promises

Testing, adjustment and measurement technology for your products



Lippok & Wolf GmbH is a manufacturer of leak and functional testing systems for industrial production. The degree of automation ranges from manual test benches to fully automated systems. In this area, our core competencies include the construction of systems for leak testing as well as for hydraulic, pneumatic and electrical testing.

Application examples



Testing system for fittings

Semi- and fully automated helium test system with 6 separate test stations, 4.5 second cycle time and for the implementation of a large type spectrum of different test specimens.



Test system for bipolar plates

Semi- and fully automated test system for leak testing with Δp or with helium vacuum method for bipolar plates.



Test facility for hydrogen valves

Semi- and fully automated test system for multi-stage, trace gas-based leak testing of hydrogen valves at a test pressure of up to 1,100 bar. LIWO testing systems are known for their sophisticated technology, cost-effectiveness and flexibility. With selected hardware and in-house developed software LCM (LIWO Control & Monitoring), LIWO complete systems record and document the significant operating and process data to realize the highest quality standards.

OUR PROCESS COMPETENCE:

- Leak testing:
 - Pneumatic leak testing (1-6 test channels or more)
 - Trace gas testing (helium, hydrogen, SF6) up to 1,000 bar test pressure
 - Nitrogen detection (patented NID method)
- Hydraulic tests
- Electrical tests
- Functional tests
- Assembly processes and palletizing
- Contract testing of a wide variety of testing tasks



Testing system for catheters

Flow and pressure differential testing system Δp for manual loading of multi-channel catheters with 2 test stations, FDA certified and for an operation in a clean room.



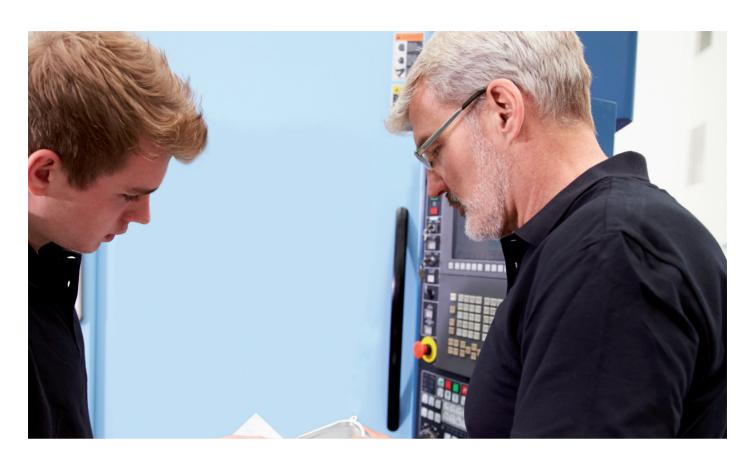
Testing system for primary packaging containers

Fully automated Continuous Motion High Speed leak testing system Δp with up to 200 cycles/min and 36 autarkic test stations for 100% leak testing of different types of primary packaging containers.



Testing system for valves

Fully automatic testing system for hydraulic function testing of proportional valves. Up to 6 autarkic test modules are in operation and can also be exchanged for a type change if required.



LIWO

Test system engineering, testing technology and software from a single source

The creative think tank with all departments at one location

At LIWO, your test automation is in good hands: from process development and design to electronics/software development and assembly, all departments work together at one location. LIWO is therefore extremely flexible with quick response times and very well-positioned when it comes to organisation. Our internationally experienced project managers support our customers throughout the world.

Facts and figures

Establishment 1976

Registered office Welzheim, in the Stuttgart area

Employees 50

Surface area 2000 m²

Sales 10 Mio. Euros

Customer locations Europe, North and South America,

Asia, North Africa

OWN R&D DEPARTMENT AND TEST LABORATORY

Our R&D department has designated metrological specialists and a well-equipped test laboratory. LIWO is therefore able to support customers and specialist departments in implementing metrological tasks over the entire project duration in an optimal way. Already in the bidding phase, the department works closely with our sales department. In so doing, we are always able to determine the optimum measurement and test methods for specific customer requirements.

LIWO LABORATORY

- Helium leak tests up to 1x10⁻⁹ mbar*l/s
 - Test pressures up to 1,100 bar
- Pressure differential tests up to 1x10⁻³ mbar*l/s

- Hydraulic function tests up to 100 bar
- NID leak tests up to 1x10⁻⁴ mbar*l/s
- Re-calibration of test leaks

SERVICE WORLDWIDE

- Worldwide service operations
- Individual maintenance contracts
- Direct sales of spare and wear parts
- Remote maintenance
- Certification of capillaries and pinholes
- LIWO fine vacuum valves

Quality to meet the highest demands







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