Passion for Innovation

Test benches
Leak-Test-Computer
Quick Connectors

inomatec
Leak Test Solutions
Wolfgang Schillings founded innomatec GmbH in 1983, and his son Mike has been running the company since 2005.
We are an innovative and experienced specialist in industrial leak testing and flow measurement. With our test benches, Leak-Test-Computers and Quick Connectors, we are always committed to support our customers and to meet and improve the highest quality and safety standards.

Thinking further
The word innomatec is derived from the terms innovation, machine and technology, and stands for more than 35 years of research and development. For us, the passion for innovation means translating new ideas and technological trends into customer-oriented and economical solutions. As a competence centre and innovator of new ideas, our goal is to support our customers in the best possible way.

German engineering
Highest quality, maximum operational reliability and competent service form the basis of our success. As a solidly grown, owner-managed company based in Germany, we profit from direct communication channels and quick decisions. Customers from all over the world value our clear, solution-orientated approach.

Moving forward together
Our customers are our partners. With enthusiasm, commitment and competence, we are all working together to solve your testing tasks in the most efficient way. This results in well thought-out and practical solutions from a single source.
With consistent teamwork, many years of experience and a worldwide presence, we provide our customers with clear advantages – in our headquarters in Idstein, in our subsidiaries in Brazil, China and India, as well as in our partner companies all over the world.

On-site worldwide
Optimum service requires short distances and fast response times. With our subsidiaries, service branches and commercial agencies in Europe and all over the world, we are the only company in our sector able to guarantee this.

- Headquarters in Idstein, Germany
- Subsidiaries in Brazil, India and China
- Representatives in Canada, Mexico, USA, Peru, Chile, Argentina, Spain, Netherlands, France, Switzerland, Italy, Austria, Czech Republic, Slovakia, Hungary, Poland, Turkey, Korea

Our key data
- Establishment: 1983
- Employees: 105
- Production space: 3,100 sqm
- Turnover: 18 Mio €
- Headquarters: Idstein/Germany

A strong team
Our employees are trained specialists. They have backgrounds in sectors such as special plant engineering, control and measurement technology, electronics, mechanics and pneumatics. In addition, we work with a clear business infrastructure and flat hierarchies.
We are team players and implement even complex tasks quickly and reliably.
We deliver robust and precise test benches for a wide variety of tasks.
Passion for precision

Our passion is the development and realization of technical solutions in the field of Leak-Test-Computers, Quick Connectors and testing systems. In doing so, we take on great responsibility for our customers and their end clients. We set new standards with creativity and inventiveness, again and again.

Development needs research
If you want to take your customers forward, you must always be one step ahead. For this reason, we have been consistently investing in research and development and in the further training of our employees for many years. This enables us to identify new trends and opportunities at an early stage and to implement them in customer-oriented solutions.

Use of high manufacturing depth
Our best practice solutions offer the highest quality at competitive prices. This is made possible by our many years of experience and high manufacturing depth. For our customers, this means maximum investment security and faster return on investment.

All specialists under one roof
- Project management and design
- Special machine construction
- Control engineering
- Measurement and process engineering
- Measuring device production
- Quick connection systems
- After Sales Service

Act solution-oriented
We think and act practically. That is why we carry out the sealing task already in the design phase as close as possible to the real intended connection situation and the specific application conditions. This helps us to develop suitable and reliable long-term solutions for every requirement.
Offering suitable solutions

Our wealth of experience is huge, our product range enormous, and the possible applications practically unlimited. We supply customers from a wide variety of sectors with standardized individual components or individual system solutions, matching their needs.

Our testing methods
Every testing task has special requirements. In order to meet all customer requirements, we are the only company in the world to offer products and services for all testing methods and many media from -1 to 2,000 bar and with a test volume of a few ml to 100 litres and more.

References
We supply to leading automotive manufacturers and numerous suppliers, work for traditional brands in household appliance technology and support manufacturers of medical technology in quality assurance. Our customer list is extensive. We will be happy to provide you with references in your environment in a personal conversation.

Media
• Water
• Air
• Nitrogen
• Forming gas
• Helium

Methods
• Pressure drop test
• Pressure increase test
• Flow test
• Mass flow test
• Dosage test
• Volume measurement

Main industries
We serve customers from a wide range of industries both at home and abroad. Over the years, a number of focal points have emerged.
Offering suitable solutions

Automotive

Cosmetics/medical technology

Household technology

Refrigeration/air-conditioning technology
We develop sophisticated and future-proof solutions covering multiple requirements.
Benefit from optimized workflow

We offer a broad portfolio of standard products and customised special solutions. All developments follow a structured, well-coordinated and optimally networked workflow. You benefit from fast response times and only one contact person throughout the entire process.

Competence and transparency
We want our customers to know exactly what we are doing and what their project status is. For this reason, we work on the basis of a clearly defined process.

Step 1: Definition
Firstly, the test task is defined. We will advise you on our possibilities and – if required – draw up a list of requirements and specifications.

Step 2: Conception
After the concept development and the determination of the testing method we work out an exact and detailed offer.

Step 3: Realization
We implement your project quickly and reliable. A contact person is available to you as an interface to the technical operations throughout the entire process.

Step 4: Commissioning
After the test phase, the system is installed and commissioned at your site. If necessary, training and familiarisation are carried out.

Step 5: After Sales Service
We carry out all necessary maintenance, service and calibration works quickly and reliable. We also offer individual maintenance contracts.

Step 6: Training courses
In our training centre in Idstein, we conduct practice-oriented training courses on different topics.
We plan and implement individual and ready-to-use programmed function and leak testing systems. These can be used as test benches or can be integrated directly into the production line as fully automatic test benches.

Demand-oriented testing systems
Every task is a new challenge. At the beginning of each test bench development it is necessary to determine which testing method and test medium fulfills the task best. Subsequently, we develop a test bench that meets all production-related and test-piece-specific requirements.

Production-oriented construction
Our modular testing systems are robust and suited for use in production. Depending on the version, they can be planned in a way that minor assembly work can be carried out directly on the test bench. Fully automatic loading and unloading systems can also be integrated. Data handling and data connection meet the diverse requirements of industry 4.0.

Possible applications
- Underwater testing equipment (low/high pressure)
- Leak-tightness and function testing systems
- Helium and tracer gas testing machines
- High pressure and bursting test equipment
- Flow-through test machines

Versatile special solutions
The optional features of our test benches are almost unlimited. They range from engraving, laser and embossing units to DMC labelling machines. In addition, we also offer our special helium and tracer gas testing systems. Naturally, all systems comply with the applicable operating regulations.
Everything from one source

Our solutions help to enhance quality from our customers.
From the inventor

Our leak test computers are extremely precise and future-proof.
We are now manufacturing our innovative Leak-Test-Computers (LTC) in the fourth generation. The universally applicable leak-tightness and flowmeters are easy to operate and offer a wide range of interface and networking options. This means that they already meet the requirements of industry 4.0 today.

Innovative and versatile
The LTCs are suitable for test pressures from vacuum to 50 bar overpressure and for leak rate measurements for all types of functional tightness. Depending on the requirements, the test times can be selected in milliseconds, seconds or minutes and can therefore be individually matched to the test object. This can have a test volume of a few millilitres to 100 litres. The LTCs can measure pressure differences between 0.1 and 5000 Pa.

Variants
The LTC is a stand-alone talent and is delivered ready for operation. Depending on the area of application, it can also be equipped with suitable quick connectors for a wide variety of requirements or integrated into a testing system. In addition, many other customizations, such as high-speed and combi devices, are also possible.

Current model variants
LTC-502
LTC-802
LTC-902
LTC-902 Twin

Operation and networking
The well thought-out device concept and the intuitive control via the colour touch screen makes the use of the LTCs particularly easy. They have stored test programs and can save 50 graphics, as well as 1 million measurement results. Depending on the version, the WLAN-capable LTCs have additional interfaces. For example, they can be easily integrated into a company’s PC-based environment. It supports various report and trend graphics functions, as well as all common BUS systems.
Quick Connectors for all cases

Any leak test is only as good as the connection to the test object. For this reason, our experienced Quick Connector department has developed its own product line. The connec® Quick Connector system offers a wide range of standard models for pressure-tight connection in seconds for a wide range of applications. Moreover, we also develop individual Quick Connectors for special requirements.

Patented standard solutions
Quick Connectors must provide fast, reliable and reproducible sealing results with low wear and tear. Our connec® Quick Connectors make this particularly easy and inexpensive. They are plugged in manually or fed pneumatically and then processed by compressed air or hand lever. The sealing rubber seals immediately and reliably.

Variants
• Exterior and interior sealing
• Round, oval, square, free form
• Smooth or rough surface
• Thread

Forms and variety
We offer Quick Connectors for a wide variety of test objects and test situations. Many testing tasks are already covered by our standard product range. Our sealing specialists will be pleased to develop a suitable solution for special requirements such as for areas that are difficult to access. We will then implement the solution in-house in the shortest possible time.

• Low or high pressure
• For all media
• With sliding stop for high pressures
• With floating bearing
Quick Connectors

The variety of our quick connectors for different applications is unique in the market.
Our service specialists are available 24 hours a day and 365 days a year on request.
Service and support

As a competence centre for industrial leak tests and flow measurements, we want to provide our customers with an optimal service. In addition to classic repair and maintenance work, this also includes familiarisation, calibration and training, as well as other service modules.

Technology Service
Our service specialists are present all over the world and thus always close to you. This ensures short response times and rapid assistance. Thanks to the modular structure of our systems and sophisticated spare parts logistics, most repairs can be carried out directly on-site.

Training centre
To ensure that you and your staff are always up to date with the latest developments in leak and flow testing, we hold regular training courses. At one of our locations or at your site. The contents of the practice-oriented training courses can be individually adapted.

Installation and commissioning
We support you in the installation and commissioning of your Leak-Test-Computer and your testing system. We adapt all components exactly to your specifications and train your team so that they can work safely. Of course, we can also carry out any necessary calibrations quickly and competently.

Further service modules
• Feasibility studies
• Wage checks (test phase/bottlenecks)
• Measuring equipment monitoring
• Calibrations
• Spare parts service
• Rental devices
• Consignment stock
• Rental equipment

24/7 Service Hotline
This way you can reach us directly:
+49 (0) 6126-9420-357
Passion for Innovation
We are one of the leading partners for industrial function-, flow- and leakage-test machines, with helium, air and water up to 2.000 bar, Leak-Test-Computers and customized Quick Connectors. Our tried-and-tested and innovative solutions continue to set new standards worldwide. Our goal is to exceed the highest demands of our customers and secure them an important competitive advantage.