State of the art testing technologies for innovative companies
Toni Technik, a member of the Zwick Roell Group, is one of the internationally leading suppliers of building materials testing equipment. For more than 140 years, Toni Technik is standing for precise test results, excellent service, high quality and reliability not only in building materials but also in components testing. With accurate, innovative testing machines and intelligent software we deliver customized solutions for almost any testing requirement.

Our company’s philosophy is “A Passionate Commitment to Our Customers.” As a family-run company, we place great value on honesty and fairness. Over the years an ethos of close collaboration based on mutual trust between our customers, suppliers, partners and our nearly 35 employees has evolved—something that we at Toni Technik greatly value.

With innovative product developments, a comprehensive range of product testing machines and complete testing labs combined with a global service, Toni Technik supplies customized solutions to meet the highest demands both in research and development and in quality assurance. Together with our daughter company Acme Labo SAS in France, our agencies and partners in more than 60 countries around the world, the Toni Technik brand is a guarantee for highest product and service quality since 1876.

Toni Technik Berlin Team

- Sales and order processing 8
- Research and development 6
- Service 9, thereof 6 service engineers
- Production/assembly 7
- Management/administration 3
Testing systems for a better world
The Zwick Roell Group Family

Zwick Roell is the world’s leading supplier of materials testing machines. With a large portfolio of materials testing machines and accessories and software, the Zwick Roell Group offers the right solution for any testing requirement for more than 20 industries.

With over 1,350 employees, production facilities in Germany, the United Kingdom, Austria and subsidiaries in France, the UK, Spain, the USA, Brazil, Mexico, Turkey, Singapore, and China, and together with agencies in more than 60 countries around the world, the Zwick Roell brand is a guarantee of the highest product and service quality.

The companies of the Zwick/Roell Group:
- Zwick Roell AG
- Zwick GmbH & Co. KG
- Toni Technik Baustofprüfssysteme GmbH
- Messphysik Materials Testing GmbH
- Latzke Härteprüfung GmbH
- Indentec Hardness Testing Machines Limited
- GTM Gassmann Testing and Metrology GmbH
Toni Technik in retrospect
Our history

Dr. Herrmann Seeger and Dr. Julius Araon start the “Chemische Laboratorium für Tonindustrie” in Berlin, providing material research and commercial laboratory services to customers worldwide.

Publishing of “Tonindustrie Zeitung”

Management of the research lab of the Royal Porcelain Manufactory in Berlin (KPM)
Development of the Seger cone for the monitoring of burning kilns

Continued improvement of servo hydraulic testing machines, first tri-axial testing machine

Development of ToniSYSTEMLABOR and ToniMOBIL, a Container lab for construction sites

Member of the Zwick/Roell Group
First automated Vicat Instrument

New controller ToniTROL
Autom. Blaine acc. to Dyckerhoff

Accreditation for calibration of testing machines
Autom. Vicat ToniSET compact
**1910**

Development of proprietary range of testing methods and the associated machines and instruments

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**1930**

Co-founding of the organization for material testing „Fachnormenausschuß für Materialprüfung“

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**1945**

Concentration on the development and production of testing equipment for non-metal materials, especially cement, other binders, concrete and refractories

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**1973**

Part of MFL Prüf- und Meßsysteme GmbH, part of the Korf Group, possessing already Mohr & Federhaff and Loshausen

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**1976**

100 years Toni Technik/Tonindustrie Zeitung

Automated Mortar Mixer

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**1985**

Integration into the Roell + Korthaus Group RK as Toni Technik Baustoffprüfsysteme GmbH

Development of controller “TONIPROCESSOR B” and additional automated instruments for cement testing

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**2006**

Integration of Acmel Labo SAS in France, a 100% daughter of Toni Technik

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**2012**

Production of digital controller ToniTROL II

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**2017**

Still most comprehensive range of automated machines and instruments for building materials testing in the world
Our testing expertise

From asphalt to binders to cement - with Toni Technik testing machines and instruments you can test almost any building material. Universally applicable machines and instruments, customized solutions, an almost unlimited portfolio of accessories and the intelligent software testXpert® make that possible.

Our material testing machines are qualified for testing material properties with static and dynamic load, with the most frequently demanded tests being compressive or flexural bending strength tests. Our machines, systems and instruments cover many hundred applicable standards.

With our solutions you can test especially:

- Construction materials such as cement, concrete, gypsum
- Mortar, admixtures and other construction chemicals
- Refractories
- Plastics
- Metals
- Powder

AIR JET SIEVING AT ITS BEST

The benchmark for particle size measurement:

- X-tra rugged: Withstands wear in production and laboratories
- X-tra intuitive: Modern gesture for fast and precise operation
- X-tra smart: Touch display with sturdy 3 mm safety glass screen
- X-tra save: Access and data protection for your analyses

www.airjetsieve.com  e-Mail: info@airjetsieve.com
www.hosokawa-alpine.com  Phone: +49 821 5906 485
Intelligent software for reliable, automated test procedures

Every Toni Technik testing machine is equipped with the universal measurement and control system ToniTROL. The basic version of the system is used for automatic, programmable routine tests with force control and is at any time extendable by software modules, e.g. for the determination of the Young’s modulus, the displacement or the deformation measurement and control.

Combined with the control and evaluation software testXpert® Toni Technik testing machines can be controlled by a desktop PC and test results can be easily evaluated. Thus customer-specific solutions as well as test procedures defined by standards can be easily realized and are an interesting aspect for users with a versatile test spectrum.

For customers using laboratory information software (LIMS) Toni Technik offers universal interface software for bi- or unidirectional data transmission between ToniTROL/testXpert® and LIMS.
Modern construction materials consist of various raw materials, including natural and man-made minerals, plastics, wood or metals, and are available in an extremely wide range of product forms: powder, bulk materials, films and foils, boards, bricks and moldings, or prefabricated components such as wall panels, beams, stairs etc. They are used to produce foundations, walls and ceilings, to protect and visually enhance surfaces, for sealing joints and faces or for thermal insulation. They are employed in buildings of widely disparate size and function and for infrastructure such as roads, bridges and dams.

The different properties of construction materials and the specimens, components and structures produced from them call for testing machines with suitably matched performance profiles.

The priority, the testing machines and instruments are designed for, is cement, the basic material of the most binders. This also includes all types of mortar (gypsum mortar, lime mortar and cement mortar) including premixed mortar, dry mortar and adhesives on a mineral or partially mineral basis.

The modulus of elasticity (Young’s modulus), that e.g. implies the influence of mineral or synthetic fibers on the compressive and flexure strength, can be determined by our automated compression and flexure testing machines combined with the corresponding additional measuring devices.

Our product range for testing of binder materials covers the following application fields:

- Specimen Preparation for Testing for Strength
- Mortar mixing
- Consolidation
- Storage of samples
- Fineness/specific surface (Blaine)
- Setting Time (Vicat)
- Soundness (Le Chatelier)
- Heat of Hydration
- Free Lime content
- Testing for Strength

Professional testing technique for building materials
KISS®

Temperature control made easy

The new KISS® baths and circulators with OLED display combines state-of-the-art technology with simple operation and stylish design. KISS® models are suitable for many routine applications in the laboratory, e.g. the temperature control of samples, analytical tasks or material testing.

More information: [www.kiss-circulators.com](http://www.kiss-circulators.com)
Toni Technik provides standardized test solutions for the majority of building materials. In addition, our flexible and combinable modular program offers the possibility to adapt our systems to individual and specific applications to meet customer-specific requirements also of other industries.

The use of high-quality standard components, such as load frame, hydraulic power box and controller, enable our customers to realize their special testing needs on either an existing Toni Technik test plant, or by the adaptation of specific component elements on an individual testing system.

We are already delivering a wide range of customized testing systems for e.g.

- Plastics
- Metals
- Steel for reinforcement
- Sheet metal testing
- Deformation of aluminium profiles
- Powder Compaction
- Other Special Applications
- Spring/damper testing
- Measuring elements testing (strain gages)
- Flat gaskets testing
- Brake pads shear test
- Bolts and nuts shear and bending tests
Haver & Boecker provides you intelligent solutions for your analyse of dry bulk materials – from sample dividing through sieve analysis to particle size and shape analysis.

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Fabrication and assembly on a high quality level

We fabricate and assemble our machines and instruments ourselves in Germany based on individual customer orders and specifications. A competent and experienced team of mechanical and electronic technicians guarantees the high quality level our customers expect.

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Toni Technik is certified according to DIN ISO 9001:2008. Before shipment, all dedicated parts of an order are labeled specifically in order assure efficient and quick handling of a smooth processing from material reception to final testing.

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Servovalves and Electronic Components

For use in electrohydraulic and electropneumatic control technology.

www.servo-hydraulics.com
Service of Toni Technik means short lead times and fast delivery of auxiliaries and spare parts.

For all questions regarding the use of our products or application questions, our support desk offers help by phone.

We continuously improve our test software testXpert® to meet the growing demands of the market.

Toni Technik delivers and installs all products, including training of the operators.

Automated testing machines and instruments guarantee reproducible test procedures, but also provide different ways to adjust the test parameters; our customer-specific training courses helps you to use the full potential of your testing systems and hence for cost reduction.

Modernizations give your existing machine a second life with advanced and modern functionality.

With our global service organization, we support our customers to make optimal use of their investment. Regular service based on routine maintenance and calibration ensures the long-term usability of your machines and instruments.
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