



TeMeCo, June 2023

Stay tuned and receive exciting news, exclusive offers and product releases directly to your inbox through our newsletter.

Thank you for being a valued recipient of TeMeCo information. Let's look at the actualities together in the spirit of technological progress!

With kind regards

Your TeMeCo team

	<p>NEW WEBSITE of TeMeCo Services AG</p> <p>Discover a wide range of informative content and a wide range of cutting-edge testing machines, accessories and services. With us you will find a carefully evaluated selection of products to meet your technical needs and enhance your testing laboratory.</p> <p>Our user-friendly website now offers specific products for which you can rely on the first-class support of TeMeCo Services AG. Dive into our product categories and experience a world of innovative technologies and high quality products.</p> <p>Visit our newly designed website now and be inspired!</p> <p>Link: https://temeco.ch/en/</p>
	<p>Automotive Testing Expo 2023</p> <p>Visit our partners at Automotive Testing Expo, the world's leading automotive testing exhibition. Learn more about the wide range of testing machines and sensors presented by our partners. Take the opportunity to catch up on fatigue testing machine expertise at Inova and Step Lab Engineering. If you have questions about load cells and amplifiers, be sure to visit the Interfaceforce or GTM stands.</p> <p>Don't miss this exciting opportunity to learn about the latest developments and solutions in automotive testing.</p> <p>Date: 13 / 14 / 15 June 2023</p> <p>Place: Messe Stuttgart</p> <p>Mehr: https://temeco.ch/en/automotive-testing-expo/</p>



Wheel-rail test stand

Learn more about the interesting work of Deutsche Bahn Systemtechnik in investigating the performance of wheels, wheelset shafts, rails, switches and other components. Through the use of test rigs and operational load tests, these components are tested under real loads. The focus is on material concepts, maintenance procedures, noise protection and diagnostic procedures.

In this context, we are particularly pleased to announce that Inova has supplied a linear test bench for wheel-rail contact testing under simultaneous longitudinal force. This innovative solution enables Deutsche Bahn Systemtechnik to gain even more precise analyses and insights.

More: <https://temeco.ch/en/wheel-rail-test-bench/>



Now available from TeMeCo: Step Lab electrodynamic testing machines!

Step Lab is a renowned specialist in electrically driven mechanical testing machines that enable both static and dynamic testing. Discover the versatile application possibilities:

- Fatigue testing machines with UD linear motors: By using linear drives based on linear motors, these machines enable precise material and product testing. They are ideal for force and displacement controlled testing.
- Fatigue testing machines with EA electromechanical actuators: These electro-mechanical linear actuators offer a wide range of applications and are suitable for both standard material tests and product tests.
- Biaxial fatigue testing machines with BV electric actuators: These machines combine the advantages of EA or UD linear actuators and allow testing with forces up to 50kN.

Expand your testing capabilities and benefit from the quality and reliability of Step Lab's testing machines, now available at TeMeCo. Contact us today for more information or to arrange a personal consultation.

More: <https://temeco.ch/en/products/step-lab-fatigue-test-machines/>



Cycler > **Climate test chamber** < Chiller

Batteries must be dynamically tested to ensure that they provide the required safety and reliability. Depending on the application and test requirements, the following peripherals are usually required:

- **CYCLER**: Charging and discharging the battery cell.

- **BINDER climate test chamber**: Binder's climate test chamber simulates the general climate conditions to which battery cells may be exposed. Aging and load tests allow you to test and evaluate the performance and stability of your batteries.

- **CHILLER**: Direct cooling and/or heating of the battery cell

Binder's battery test chambers provide you with reliable solutions to thoroughly test and optimise your batteries. Our high-quality products offer precise control, advanced technology and user-friendly operation.

More: <https://temeco.ch/en/binder-cycler-climatic-chamber-chiller/>

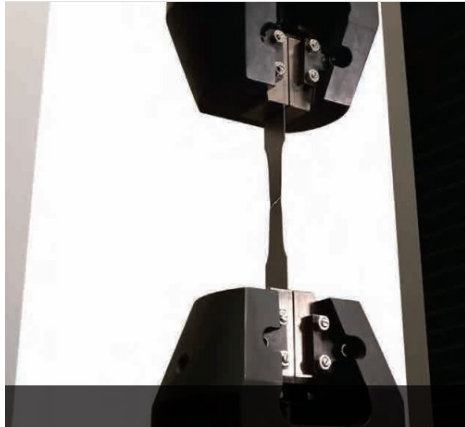


Interfaceforce:
T15 Hex Drive Style Torsional force transducer

The T15 model has hexagon socket connections and offers versatile application possibilities. For example, it is suitable for testing fasteners with recording of torque versus clamping force.

- Torques from 0.2 Nm to 20 Nm
- Hexagonal drive with quick-change chuck
- Non-contact
- ±5VDC, ±10VDC or USB output
- Optional angle encoder

The practical configuration and evaluation software supplied enables easy evaluation and graphic display of torque, speed and angle of rotation on the PC.



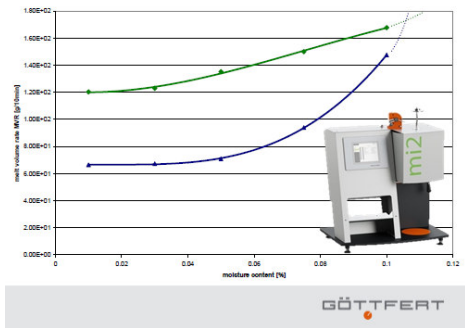
Shimadzu, a leader in universal testing machines, has some exciting news to announce

Shimadzu has expanded its product range with state-of-the-art universal testing machines from the AGX-V model range. These machines offer impressive performance and enable precise testing of a wide range of materials and components. With their advanced controller and robust construction, they set new standards in the industry.

Software updates: Shimadzu has updated its testing software to provide even more user-friendly and efficient operation of the universal testing machines. The improved software offers enhanced analysis functions, data visualisation and reporting to provide users with comprehensive testing results.

With these new developments, Shimadzu underlines its commitment to innovation and progress in universal testing technology. Contact us for more information about their latest products and solutions or arrange a personal consultation to find the best solution for your specific testing needs.

More: <https://temeco.ch/en/products/shimadzu-universal-test-machines-agx-v/>



MFI and humidity

Influence of the moisture content of PET in the melt index test.

Polyester PET is strongly influenced by moisture content during processing and even more so during testing. One of the most common tests is the melt index. Here moisture can lead to deterioration of the material, which is visible through an increase in the melt index.

After drying, the residual moisture should be checked with a suitable measuring device (hygrometry), especially if the data is used for comparative measurements

More: <https://temeco.ch/en/products/knowledge-rheology-mfi-moisture/>