

Newsletter June 2019



New series of universal testing machines Shimadzu AGX-V

At the Automotive Testing Expo at the end of May 2019 in Stuttgart, Shimadzu has introduced the new high-end model series **AGX-V**.

The new machines are available in table versions with nominal loads of 10kN and 50kN, as well as in floor-standing versions 50kN, 100kN, 300kN and 600kN.

The technical data are outstanding. For example:

- Max. 10kHz data capture rate
- Max. 20 analog inputs
- Grade 10 alignment accuracy (ASTM E1012).
- Load cells of class 1 from a two-thousandth of nominal load
- Maximum frame stiffness

The hand-operated controller is equipped with a convenient, configurable LCD touch screen. Its functionality ranges from machine control to the display of any channel measured values.

The Trapezium-X software has also been redesigned without sacrificing usability. Like the testing machine, the new software comes in the design of the analytical devices from Shimadzu.

Discuss your inspection task with us and receive our offer for the suitable **Shimadzu AGX-V**.

You can find our flyer [here](#).



New Shimadzu test methods for composites

Weight down in the automotive industry! Tensile test with DIC strain analysis. Reducing the energy consumption of cars and meeting environmental requirements is one of the most important tasks for car manufacturers. One approach is to reduce the weight of the car while maintaining passenger safety.

An [article in the "Shimadzu News"](#) explains how a precision universal testing machine (Autograph AG-X plus 250 kN) and a high-speed video camera (Hyper Vision HPV-X) can be used to determine the static fracture behavior of a CFRP.



Motorcycle test bench by Inova

The 4 degrees-of-freedom motorcycle test bench is designed to test motorcycles with or without wheels.

The actuators are connected through hydrostatic dummy rims which transfer the forces across the vertical / horizontal joints, providing the extra degree of freedom. If a motorcycle is tested with wheels, only two vertical actuators with axle mountings are used.

The test bench is designed as a modular kit so that certain parts can be replaced. Also included is a compressed air system for steering bar load and dummy driver simulation.

At the Automotive Testing Expo 2019, in addition to a new linear electric actuator, various software modules of the TestControl software as well as the extremely versatile EU3000 controller were demonstrated.

Further information in our [flyer](#).



Star Hydraulics

Servo valves from Star delight the user with a longer service life. The proven sapphire technology leads to significantly lower wear, which will have a long-term positive effect on the purse. However, Star Hydraulics not only has long-lasting two- and three-stage servo valves up to 900l / min flow to offer, but also carries out inspection work on valves from various manufacturers. Try it out and ask us! TeMeCo is the official representative of Star Hydraulics in Switzerland.

More information can be found in the new [brochure](#).



BINDER: How to find the right drying chamber for your application

You know that you need a drying chamber for your application? But which one from BINDER is the right one for you? Is it a safety, a vacuum or finally rather a standard drying chamber?

Make it easy and find now – with the help of the new "[Selection Helper](#)" – the right drying chamber for you!



Complete BINDER Solid.Line

The new Solid.Line was completed with the KBF-S units in the sizes of 115 l and 1020 l. See also our [newsletter August 2018](#).

The sizes 56 l and 115 l are available in the versions BD-S (up to 100 ° C), ED-X (up to 300 ° C) or FD-S (up to 300 ° C, forced convection), in the KBF-S versions (10 ° C to 70 ° C and 20% -80% rh), there are now available the device sizes 115 l, 260 l, 720 l and 1020 l. Ask TeMeCo about our attractive offer.



Göttfert Seminars 2019

In bright seminar rooms and a state-of-the-art technical application center, Göttfert's rheology experts impart their knowledge in the areas of melt index testing, viscosity function / capillary rheometer, online rheology or rheology of elastomers.

Take advantage of these training offers for improved handling of your test device and interpretation of test results.

November 26 to November 27, 2019

[Melt index measurement](#) (seminar held in German)

Incidentally, this year is a **K year** ("K" stands for "Kunststoffe" = plastics). Make a note today already of the date and location of this important fair focusing on robotics for MFI:

October 10 to 23, 2019, Dusseldorf