

A look behind the scenes, high-tech, networked communication and seminars

TeMeCo, January 2020

2020 is picking up speed. After TeMeCo has had another successful year with many satisfied customers, we are confident about the new year – or even decade – and are highly motivated to continue supporting our customers with our proven service and sales.



High-end materials need high-end test equipment

Materials, their manufacture, processing and recycling have always been the driving force behind modern developments. Since the increasing requirements for the test object also increase the requirements for the test procedure, the test machines being employed are also subject to an ongoing innovation process. In view of the expected progress, Shimadzu has developed with the AGX-V a series of devices that creates the scope of development for new materials and products.

High-strength and brittle materials are susceptible to forces that are caused by poor centering of the test axis. Good alignment of the axes is particularly important for composite materials. With an accuracy class 10 of the alignment according to ASTM E1202, the floor standing models of the AGX-V meet the strict regulations of this industry. In addition to accuracy, the measuring range is also crucial. A wide range enables the testing of different materials without changing load cells the system. The AGX-V force transducers meet accuracy class 1 or 0.5 already from 1/2000 of the measuring range, saving costs and effort.

Try out the new [test machine configurator](#) from Shimadzu for the new AGX-V!



BINDER TV

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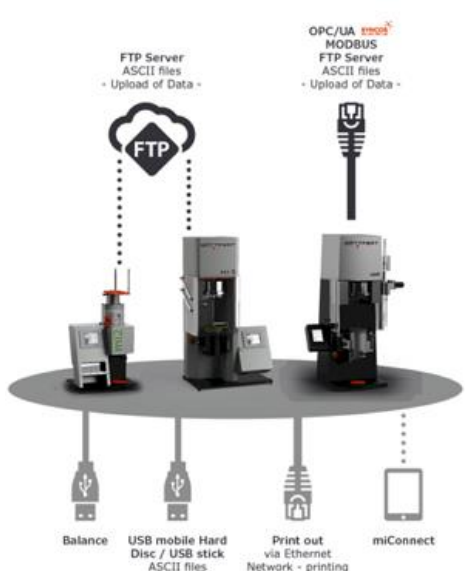
BINDER software APT-COM

The new version of the multi-management software APT-COM™ 4 consists of three different editions. Depending on the requirements, the BASIC, Professional or GLP edition can be used. The range of functions extends from simple record management and management of connected environmental simulation chambers to tamper-proof documentation of the measured values in accordance with the GLP / GMP guidelines.

Take a look at the [demo version](#) of the software!

Take the opportunity: You can test the full GLP edition on your computer for one month free of charge.

Here you can [download](#) it.



MES integration of melt index testers

The bidirectional data exchange between the material testing device and higher-level systems such as MES (Manufacturing Execution System) or LIMS (Laboratory Information Management System) represents an important facet of networked communication 4.0.

A proof of concept in cooperation with SYMCOS GmbH was successfully completed. It includes that the required test parameters from the CAQ block of the SYNCOS MES are first transmitted to the device (mi40). These are then used to start the test process, and the measurement results are written back to the SYNCOS test module, in which they are statistically evaluated and visualized (control cards, histograms, etc.).

Melt index testers are used in plastic testing laboratories by plastic manufacturers and research institutions, as well as by plastic processors in incoming goods inspection.

Göttfert will standardize OPC-UA as an interface for other device types and offer fully integrated solution packages together with SYNCOS.

Here you will find [detailed information about the mi40](#).



Göttfert Seminars 2020

In bright seminar rooms and an application technology center equipped with the latest technology, 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 – held in German only – for improved handling of your test device and interpretation of test results.

17.03.2020 - 18.03.2020

[Melt index measurements](#)

12.05.2020 - 13.05.2020

[Determination of the viscosity function with the capillary rheometer](#)

16.06.2020 - 17.06.2020

[Rheology of elastomers and thermosets](#)

24.11.2020 - 25.11.2020:

[Online capillary rheometry](#)