

## New micro hardness testers

TWO new universal hardness testers from Buehler – ITW Test & Measurement GmbH offer a reliable solution for Knoop and Vickers micro-hardness testing in accordance with ISO 6507, 9385 and 4546 or ASTM E384 and E92.

The Wilson® VH1102 and VH1202 instruments meet high standards in terms of accuracy and can be used both in quality control and research and development. The testers offer flexibility, featuring deadweight loads from 10g to 2kg and nine different automatically selectable loading stages.

Both models in the new VH1000 series feature an ergonomic, adjustable 7" colour touchscreen for rapid test method selection and data collection. The system is intuitive to use and can be operated by less extensively trained staff after a brief period of training.

The wide load range with test scales from HV/HK0.01 to HV/HK2 is the same for both models. The usual knob for manual selection of test weights has

been replaced by a durable, software-controlled electric motor to automatically change test weights, providing a level of operator convenience on the new Wilson micro hardness testers that is normally found only on higher-end instruments.

The two models differ with regard to the electrically driven, high-speed, low-noise turret. The VH1102 model is equipped with a turret providing four positions, including an indenter for Knoop or Vickers and two standard objectives for 10x and 50x magnification at normal working distance. The VH1202 model is equipped with a six-position turret, including two indenters for both Knoop and Vickers, and an additional objective with 5x magnification at long working distance. For both models, simply pushing the Start button sets the turret to the magnification selected on the touchscreen.

The hardness testers can be configured to meet a wide range of requirements, from a stand-alone version for use in

laboratories with a relatively low sample volume, to a fully equipped system catering for high sample volumes in an industrial environment. The standard model includes a digital eyepiece for manual indent measurement, including camera connection capability and a USB port enabling data to be exported for further processing with a standard spreadsheet program.

The Buehler ITW Test & Measurement product portfolio comprises a full range of further Rockwell, Vickers/Knoop, Brinell and universal hardness testers with options for automation, as well as a variety of sectioning and precision sectioning machines optimised for specific applications, mounting systems including the associated epoxy and acrylic resins and grinding and polishing machines.

**Buehler – ITW Test & Measurement GmbH – Germany**  
Website: [www.buehler.com](http://www.buehler.com)



High overall equipment efficiency (OEE) is a fundamental prerequisite for your company's success. KraussMaffei Berstorff's product portfolio therefore comprises tailored machines and lines along with perfectly matched services that increase the economic efficiency and the sustainability of your production.

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