



PRESS RELEASE
18.02.2015

**Kelch workpiece inspection system is now also available in a dual design:
KENOVA measure line VHE Dual**

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The fast and uncomplicated, yet highly precise, range of KENOVA measure line VHE optical workpiece inspection systems, from Weinstadt-based Kelch GmbH, now also includes a second model, the KENOVA measure line VHE Dual. It offers two systems in one, permitting the combination of vision field sizes to be selected from the versions offered: 12 x 9 mm, 21 x 17 mm and 43 x 34 mm. This permits different sizes of workpieces to be measured with one system, the smaller ones with greater resolution and higher precision.

The system fully automatically measures the length, diameter, radius, angle, roundness, concentricity, radial and axial run-out, as well as different attributes of threads, on workpieces. The measurement deviation is maximum three micrometers.

If the precision-ground workpiece mounting is replaced by a glass workpiece holder, non-rotationally symmetrical workpieces can also be optically measured in a traditional transmitted-light process. The heart of the system is an optical unit with a telecentric lens and a high-resolution camera.

The devices are intuitive to operate and set up. If a still image of the workpiece is saved, the complete measuring process can be created in offline mode by means of a simple click-and-drop process. Measuring macros are pre-installed to support users. Integral construction software even permits the measurement of characteristics not directly measurable, for example by the mathematical extension of edges.

The software displays the measured values and the limit values on the screen as figures in a table and graphically as points on a bar. Traffic light colours warn users that they are approaching or even exceeding limit values. In addition, a log can be produced and printed, listing all the attributes with the tolerance limits and measured values.

Kelch GmbH, based in Weinstadt near Stuttgart, offers peripherals and services for manufacturers and users of machine tools for cutting processes. With over 100 employees, the company generates annual revenue of approx. €13 million. As a 100%-owned subsidiary of Harbin Measuring & Cutting Tool Group Co., Ltd. (HMCT), Harbin/China, Kelch belongs to China General Technology (Group) Holding Co., Ltd. (Genertec), Beijing. Genertec is represented in 100 countries worldwide, with 45,000 employees in 51 companies. Kelch GmbH acts as the technology centre for the international business group in Europe. Kelch develops, manufactures and markets tool holders, cleaning devices, shrinking devices, presetters, as well as measuring machines, and also offers tool management services.

Further information at <http://www.kelch.de> .

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Photographic material:

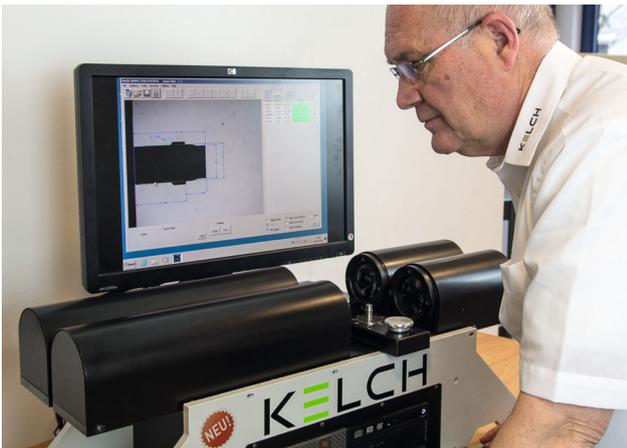
Image 1: KENOVA measure line VHE Dual - Software.jpg

Image 2: KENOVA measure line VHE Dual

Photo caption:

Image 1: The KENOVA measure line VHE Dual has a simple design and is intuitive to operate. Even after just a short initiation phase, operators can create and save measuring programs themselves.

Image 2: The KENOVA measure line VHE Dual also permits non-rotationally symmetrical workpieces to be optically measured in the traditional transmitted-light process. The precision-ground workpiece mounting simply has to be replaced by a glass workpiece holder.



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