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Press information

Flexible and highly accurate semi-automatic model: the new surface roughness tester Surftest SV-3200

The metrology specialists MITUTOYO are known to be experts for surface roughness testing. Now the Japanese release the new model Surftest SV-3200 that boasts outstanding accuracy. In connection with highly versatile accessories such as different detector holders, the semi-automatic model features outstanding flexibility in surface roughness measurement.

Neuss, March 2015. The surface roughness measuring instruments of the Japanese metrology experts MITUTOYO are well-renowned throughout the branches and firmly established wherever a combination of excellent accuracy as well as quick and easy operation are obligatory. MITUTOYO are dedicated to innovation and enhancement. Hence, they now release a successor of their tried and tested stationary instrument SV-3100 model by name of Surftest SV-3200. As a standard, the new SV model is delivered with the high-performance software FORMTRACEPAK.

The new SV-3200 measures Primary Profile, Roughness Profile, Waviness Profile and MOTIF, amongst others. It boasts enhanced operability and a wider variety of measurement functions due to further expansion of the optional equipment that even renders 3D measurement possible, otherwise only available with much more cost-intensive CNC machines.

The new device meets various standards, including EN ISO, VDA, ANSI, JIS as well as customized settings. The SV-3200 also supports some contour calculations within the measurement range of the styli software. Equipped with an anti-collision safety device, the Z1-axis detector can automatically stop when its main body detects an impending collision. Different detector types are available as options, just as well as various detector holders. The 3D/Y-axis table with a travel range of 100 millimetres, newly added to the options list, facilitates 3D surface roughness measurement. The optional digital automatic table helps by accurate levelling and centering of the workpieces to be measured.

The latest version of the highly functional and easy to use FORMTRACEPAK software is compatible with Microsoft Windows 7, 64-bit operated PC systems. The program enables control of all axes as well as a rotary table, hence realizing efficient measurement automation. Plus, it is capable of performing contour evaluation that allows free analysis of level differences, angles, pitch, area and other characteristics as well as surface roughness evaluation.

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