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Press information

Versatility re-defined: the brand-new Mitutoyo form measuring instrument Formtracer Avant FTA

The Japanese premium measuring instruments manufacturer Mitutoyo launches a new, highly accurate surface roughness and contour measuring instrument. The drive units can be exchanged quickly anytime, offering incredible comfort of use. Like all new Mitutoyo devices the new Formtracer Avant comes in the attractive new Mitutoyo design.

Neuss, March 2019. The form measuring solutions by the Japanese measuring instruments manufacturer Mitutoyo are well-renowned for their high accuracy and their excellent quality throughout all branches. Now the premium brand launches the all-new Formtracer Avant FTA that does not only stand out in terms of quality but also in respect of its user-friendliness and ease of handling as well as its retrofit capabilities that allow the system to be adapted to a whole range of new measuring tasks.

The newly designed series will come in 5 different variants and replaces full-fledged semi-automated contour and surface roughness measuring machines, saving a vast amount of money and space. The drive unit can be removed by simply opening a thumb-turn clamp and clamping the new drive unit into the system – a task that is now accomplished in an extremely short time. The system recognises the detector automatically, reliably preventing malfunctions and detector damage.

A new layout has been adopted for the remote control box. The override knob allows real-time control over the moving speed for easy fine-positioning. The new part program keys support the creation of measurement part program steps such as movement commands and measurement start instructions by manual operation.

The latest version of the highly functional and easy to use FORMTRACEPAK software enables control of all axes as well as a rotary table, hence realising efficient measurement automation. Plus, Mitutoyo has added several new features which support easy programming of contour and surface roughness measurements and analysis.

For the new Formtracer Avant FTA the customer has the choice of a measuring range of 100 mm or 200 mm in X-direction and 300 mm, 500 mm and 700 mm in Z.