

Surface Finish and Contour Measuring System **FORMTRACER Avant Series**



Form Measurement

Surface Finish and Contour Measuring System

FORMTRACER Avant Series

Evolution of the Design of the Surface Roughness/Contour Measuring System!

- Improved functionality, accuracy and operability
- Cordless detector ensures safety during high-speed movements
- Detector exchange function in software automatically identifies hardware switch for reduction in exchange times

Improvements to overall system design allows significant reduction in detector replacement times

The "hot-swap" functionality allows replacement of a detector without turning off the controller, and the adoption of a thumb-turn clamp lever enables detector replacement without using a tool. This reduces detector replacement time and improves efficiency.



Automatic Detector recognition optimizes changeover of multiple sensors

The Formtracer Avant series automatically recognizes contour and surface roughness detectors. This reduces the risk of operator influenced changeover requirements relating to software and hardware swapping.



The measurement of large workpieces has been improved with the built-in drive tilt mechanism*

During measurement of a large object, an incline fixture tilts the drive unit to make the approach of the measured point on the object easier to obtain without sacrificing accuracy.

*Some options are uniquely available based on sensor head combinations

Newly redesigned remote control box increases ease of use with additionally added functions

The speed override knob allows real-time control over the moving speed for convenient fine positioning. The additional part program keys support the creation of measurement part programs such as CNC movement, CNC measurement and start commands by manual operation.



Part program keys
Override knob



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