**MeasurLink'** ENABLED

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).



An inspection certificate is supplied as standard. Refer to page U-11 for details.

- FORMTRACER Avant C3000 / 4000 series are highly functional and user-friendly contour measuring systems with innovative design features.
- Often a special method of workholding, such as a custom jig, is required to measure an inclined workpiece surface but this is not needed if you select a model from the FORMTRACER Avant C3000/4000 series since these

have an inclining drive unit to handle this situation. This feature makes approaching the target surface and measurement of a large workpiece much easier.



• The new style remote box has been developed

Inclined drive unit

in pursuit of operational usability. An overdrive knob controls the drive speed in real time and is very convenient when fine positioning is required. Another new feature is a part program key that strongly supports creation of measurement part programs, including a move command for manual operation and a measurement start command.

- High throughput is achieved thanks to high drive speed (X axis: Max. 80 mm/s, Z2 axis: Max. 30 mm/s) and acceleration (X axis: 30 mm/s<sup>2</sup>).
- All connecting cables are contained within the measuring instrument to eliminate any inconvenience during measurement.
- Since the Z1-axis detector incorporates an anti-collision safety device, the detector unit will automatically stop if it touches a workpiece or fixture.



the measuring instrument.

- A detector for measuring contours can be retrofitted.
- The arm of the detector for contour measurement has a usability
- C4000 type is a highly functional contour measuring system that has a digital detector (measuring range: 60 mm, resolution: 0.02 µm) that enables a Wide range measurement, top/bottom plane continuous measurement function, automatic variable measuring force function and stylus drop detection function.



- magnetic one-touch detachable mechanism that improves

## **SPECIFICATIONS**

FORMTRACER Avant C3000/4000 Series **SERIES 218 — Surface Texture** Measuring Instruments

**MeasurLink**<sup>®</sup> ENABLED Data Management Software by Mitutoyo





Remote box with user-friendly operability

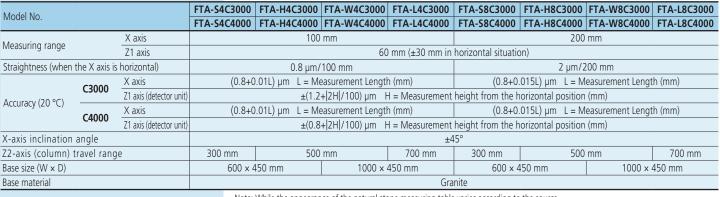
FTA-S4C4000

For C4000 For C3000

Mitutoyo

Large sized base models and high-column models are added to the line-up.

Detector



Note: While the appearance of the natural stone measuring table varies according to the source, the high stability for which this material is known can always be relied upon.