Analysis Software

FORMTRACEPAK
FORMTRACEPAK functions offer total support for measurement system control, surface roughness analysis, contour analysis, contour tolerancing, and inspection report creation.

ROUNDPAK
A wide variety of parameters including those for roundness/cylindricity, as well as flatness and parallelism, are provided as standard features. You can visually select these parameters using icons.

Coordinate Measuring Machines
Vision Measuring Systems
Form Measurement
Optical Measuring

Sensor Systems
Test Equipment and Componentary
Digital Scale and DMM Systems
Small Tool Instruments and Data Management

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Introducing Mitutoyo’s Full Line of Form Measuring Equipment
**Contour Measuring Systems**

Remarkable operability and functionality revolutionize contour measuring systems and enable measurement that is fast, accurate, and easy.

The 2.4-inch color graphic LCD provides excellent readability and an intuitive display that is easy to navigate.

Dramatically increased drive speed (X axis: 80 mm/s, Z axis: 30 mm/s) further reduces total measurement time.

When combined with the double cone-end stylus (a new product with diametrically opposed contact points), the instrument can continuously measure in the upward and downward directions without the need to change the arm orientation or reset the workpiece fixturing.

This model introduces the dual-sided stylus design into the CNC model for the first time. The SJ-C 4500CNC is a high accuracy contact type contour and surface roughness measuring system.

**Surface Roughness Measuring Systems**

Data processing unit includes a 5.7-inch color graphic LCD touch-panel and a built-in high-speed thermal printer.

Both skidded and skidless measurement are possible with this series. Equipped with 46 roughness parameters that conform to the latest ISO, DIN, ANSI, and JIS standards.

Optional detector holders such as Crank Rotary type and Manual Rotary type make this versatile for many different applications.

CNC Surface Roughness Tester incorporating a column-moving type configuration that is ideal for measuring large/heavy workpiece such as engine blocks and crankshafts.

**Roundness Measuring Systems**

Best-in-class rotational accuracy in compact type roundness measuring instruments. Fine adjustment on both X- and Z-axes

A new PC-compliant roundness and cylindrical-form measuring instrument with extensive analysis features to enable measurement of a wide variety of workpieces.

All models are equipped with a highly accurate turntable that enables simple and accurate centering and leveling of the workpiece, which account for the majority of the essential setup work for measuring roundness/cylindricity.

These models offer high measuring accuracy and reliability using automated measurement with independent/simultaneous multi-axis CNC control. Roundness and surface roughness measurements are both available from a single measuring system.