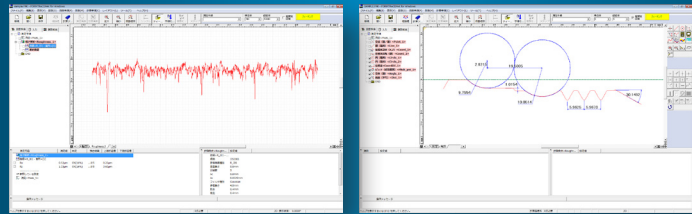


# Analysis Software

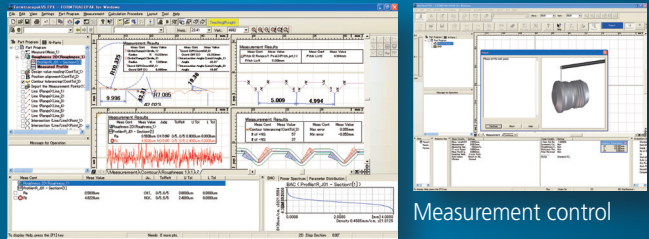
## FORMTRACEPAK

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



Surface roughness analysis

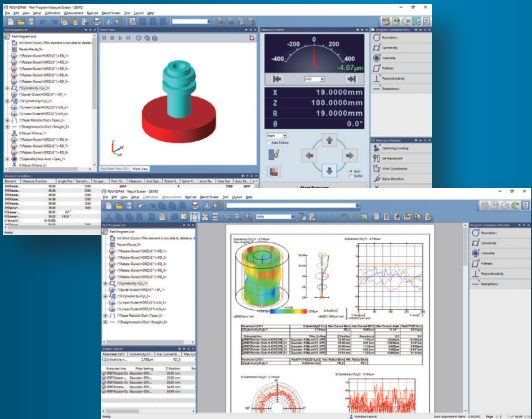
Contour analysis



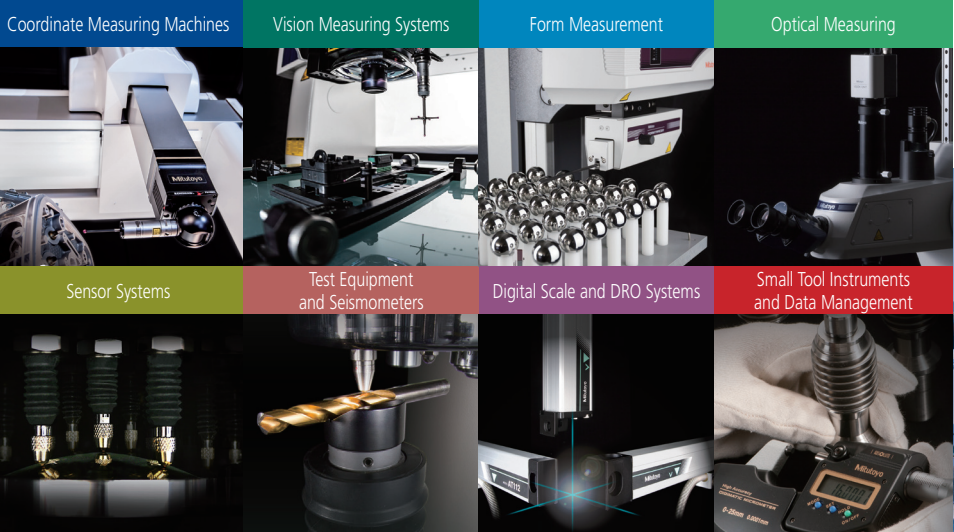
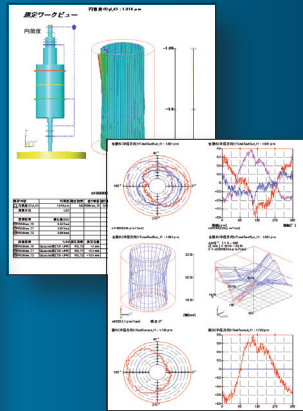
Measurement control

## 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.



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### M<sup>3</sup> Solution Centers:

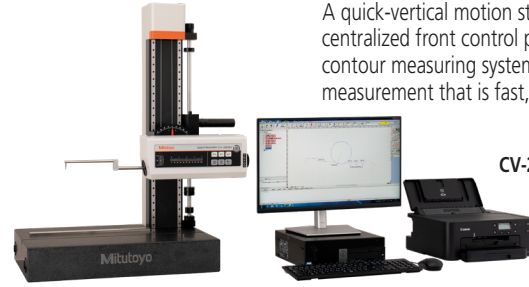
Aurora, Illinois (Headquarters)  
Boston, Massachusetts  
Huntersville, North Carolina  
Mason, Ohio  
Plymouth, Michigan  
City of Industry, California  
Renton, Washington  
Houston, Texas



## Introducing Mitutoyo's Full Line of Form Measuring Equipment

## Contour Measuring Systems

Entry Level



A quick-vertical motion stand matched with centralized front control panels revolutionize contour measuring systems and enable measurement that is fast, accurate, and easy.

CV-2100M4

Intermediate



Dramatically increased drive speed (X axis: 80 mm/s, Z2 axis: 30 mm/s) further reduces total measurement cycle time.

FTA-C3200

Advanced



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.

FTA-C4000



VIDEO DEMO

CNC



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

SV-C4500 CNC

## Surface Roughness Measuring Systems



SJ-210

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



SJ-411

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.



FTA-S3000

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

OPTION  
Roughness detector holder  
S-3000MR  
(Upward and downward)

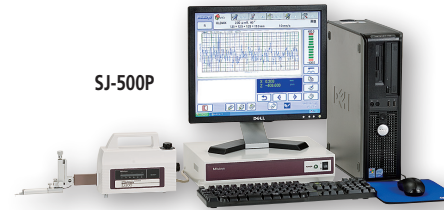
OPTION  
Roughness detector holder  
S-3000CR  
(Upward and downward + Crank)

OPTION  
Roughness detector holder  
S-3000C (Crank)



SJ-310

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



SJ-500P

Semi-portable type that is PC based, capable of measuring in axial direction for parts such as crankshafts by simply swiveling the detector through 90 degrees.

## Roundness Measuring Systems



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

RA-120P



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

RA-1600 / RA-1600M



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.

RA-2200 / RA-2200 PLUS



VIDEO DEMO

These models offer high measuring accuracy and reliability using automated measurement with independent/simultaneous multi-axis CNC control. A high-end machine that integrates roughness, contour and surface roughness measuring all-in-one.

Roundtracer Extreme

Mitutoyo