

# TRADE IN TRADE UP



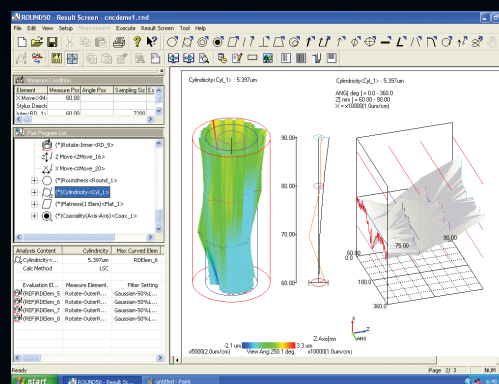
**UP TO \$5,000** trade-in allowance on any Mitutoyo roundness/cylindricity measuring system.

Roundness/Cylindricity measurement/Analysis software

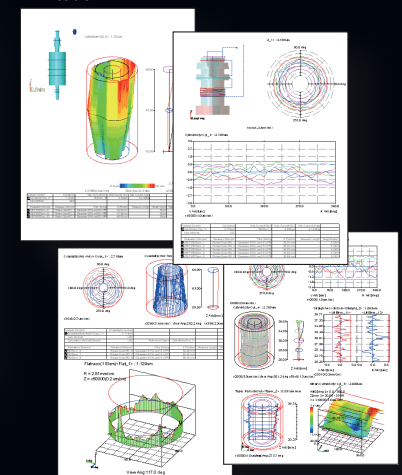
## Powered by **ROUNDPAK\***

Mitutoyo ROUNDPAK measurement and analysis software features an intuitive graphical interface, making the software flexible and easy to use. Windows-based ROUNDPAK simplifies setup and control. ROUNDPAK supports a variety of parameters, including those for roundness/cylindricity, as well as flatness and parallelism. In addition, the program includes an offline teaching function that enables virtual execution of measurement operations in a 3D simulation window. By storing and indexing measurement and evaluation setups, libraries of sequences can be compiled. Custom reports, including depiction of data in 3D graphics, can be easily generated.

\*RA-120 is a display model only.



Printout



# TRADE IN PROGRAM

## Upgrade to Increased Productivity

### Why purchase a new system?

- Improve productivity through simplified processes and use of icons.
- Eliminate cost and tedious setup time when measuring multiple features.
- Collision-detection function prevents costly errors and damage to the system, providing peace of mind.
- Ensure full compliance with current ISO standards.

### Money for Your Old Machine

Exchange your old machine for thousands of dollars in credit toward the purchase of a new tester with Mitutoyo's trade-in program. The trade-in allowance (outlined below) is determined by the purchase price of a new model and will be deducted from the price of a new machine order.

**MeasurLink** ENABLED  
Data Management Software by Mitutoyo



# \$1,500



\$1,500 off the purchase of any model in the RA-120/P series.

### RA-120/P | Entry Level

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

- Multiple analyses through simple operation
- D.A.T. function  
\*except for centering/leveling device:  
Analog mic-head
- Scaled Z-axis
- Continuous ID and OD measurement
- Display function for various graphs
- High-precision air bearing
- Wide-range detector
- Supports 15 languages



RA-120 display

# \$2,000

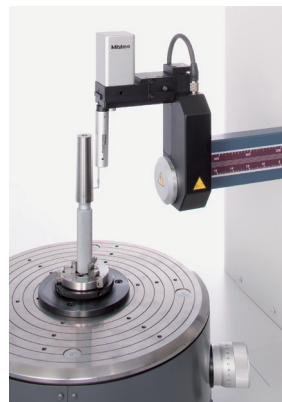


\$2,000 off the purchase of any model in the RA-1600 series.

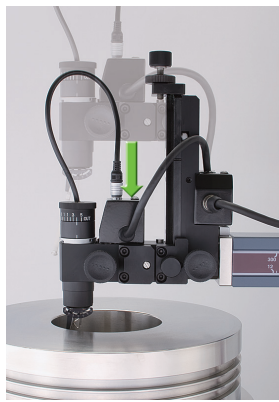
### RA-1600M | Intermediate

Equipped with a highly accurate turntable that enables simple and accurate centering and leveling of the workpiece, which accounts for the majority of the essential setup work for measuring roundness/cylindricity.

- High rotational accuracy (0.03+6H/10000)µm is maintained for an entry level to mid-range model.
- PC-based cylindricity-capable roundtest for both shop floor and laboratory environment.
- Easy-to-use center and level function with mechanical mic heads on alignment table.
- Collision-detection function in detector stops the system, preventing costly error and damage.



Optional surface roughness detector unit.



Sliding detector unit holder allows for versatile measurements setups and positioning.

# \$4,000

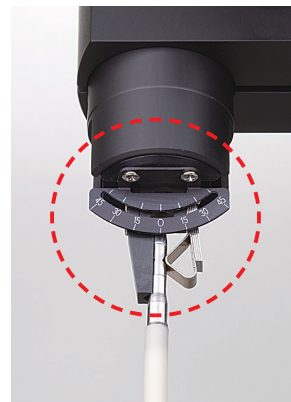


\$4,000 off the purchase of any model in the RA-2200 series.

### RA-2200AS | Advanced

Offering the highest precision level in its class, exceptional ease of use and multifunction analysis capability.

- High-accuracy, manual and automatic centering and leveling turntable.
- Sliding detector-unit holder allows for versatile measurement setups and positions.
- Collision-detection function in detector stops the system, preventing costly error and damage.
- Measurement while tracking is possible through a built-in linear scale in the X-axis. This type of measurement is useful when displacement due to form variation exceeds the measuring range of the sensor, and X-axis motion is necessary to maintain contact with the workpiece surface.



Collision-detection function stops the system, preventing costly error and damage.

# \$5,000



\$5,000 off the purchase of any model in the RA-H5200 series.

### RA-H5200 | CNC

A CNC system combines high accuracy with automatic CNC measurements to improve productivity and efficiency. Automatic orientation control of the detector unit enables this system to automatically execute high-speed, operator-free measurements.

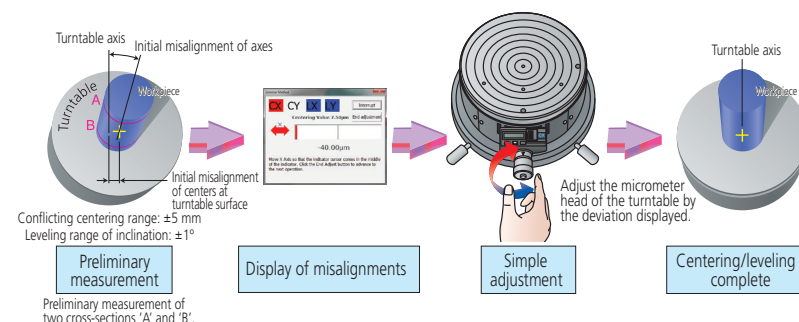
- Detector unit orientation programmable for CNC measurement.
- The multi-sensor system is compatible with a standard probe that meets the specifications of the roundness measuring system and an optional surface roughness detector unit.
- Mitutoyo's linear encoders have been incorporated into the positioning sensors in the X- and Z-axis drive units to directly sense the displacement, thereby achieving highly accurate positioning essential for repeat measurements.
- The measurement accuracy of a roundness/cylindricity measuring system is greatly affected by external disturbances such as vibration. Therefore, the RA-H5200 Series is supplied as standard with a high-performance vibration isolator that possesses excellent vibration attenuation.



Holder-arm orientation switching (vertical position - horizontal position)



Detector rotation mechanism (0 to 290°, in increments of 1°)



Equipped with highly accurate turntable that enables simple and accurate centering and leveling of the workpiece. Operator can adjust centering and leveling by analog micrometer heads easily using alignment values.

# Mitutoyo

We reserve the right to change prices and specifications without notice. Not valid with any other offer or promotion. Not valid on previous purchases. This promotion is for U.S. market only. Please refer to terms and conditions for additional information.

Offer valid Aug. 16, 2018 through December 21, 2018

0417-05 • Printed in USA • Aug. 2018

View Roundness Measurement in Action



www.mitutoyo.com/round