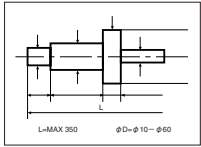


Flexible Shaft Automatic Measuring System



NEW



- Measures outer diameter and length at multiple locations on shaft. Results are displayed and output to the machine tool as a compensation signal.
- Measures outer diameter with high precision for diameters that differ up to 50 mm.
- NC control of measuring head movement allows measuring at the desired position.
- Multiple types of workpieces can be flexibly accommodated.
- Measurement dimension and measuring location can be registered by means of key input on the control unit (PULCOM V10), and the type of workpiece can be selected with the digital switches on the operation panel after registration.

Specifications

Model	000660030
Repeatability	Outer diameter: 1 μm , Length: 3 μm / 25 measurements
Cycle time	Approx. 60/sec./pc. For 10-item measurement
Workpieces measured	Shafts
Measured items	Outer diameter Longitudinal direction (length)
Measuring detector	1 for outer diameter: FM501 (Diameter difference: 50 mm) 1 for length: E-DT-175 + linear scale
Measuring control unit	PULCOM V10 * Printer output (RS232C) * Auto mastering function
Options	* Run-out and roundness can be measured. Note: Rotation mechanism must be added.

Round Profile Measuring System



- Measures round profiles of ball bearing inner race and outer race to determine actual ball radius and P-V values and make OK/NG judgment. Profile error graph is displayed and output.
- Fast measurement speed enables results to be displayed approximately 20 seconds after measurement is started.
- Easy to operate. Simply press the MEASURE button after registering the conditions. Up to 3,000 data items can be registered.
- Achieves high measurement precision of $\pm 0.3 \mu\text{m}$.
- Multiple measurements available, including display of center distance between radius 1 and radius 2 (optional).



Cam Profile Measuring System

- Measures rotating angle and lift of camshafts and other parts, and automatically compares these values with preset nominal values.
- Automatic apex detection function enables automatic measurements at multiple locations.
- Adopts high-precision/high-resolution scale developed by ACCRETECH for lift measurements.
- Design value referencing function available for multiple items.
- Able to measure acceleration and speed in addition to dimensions.

