

COMPACT & LIGHTWEIGHT

BODY DIMENSIONS 250mm × 420mm

MODULE UNIT

Column Module

Basic Column	Up & Down Movable Range	30mm
Z Axis Guide Column	Up & Down Movable Range	250mm

Measurements height position can be changed by the combined use of adapter plate to the basic column.

Radius Axis Module

Basic Radius Axis	MAX Measured Diameter	φ 60mm
Extended Radius Axis	MAX Measured Diameter	φ 150mm

Sensor Mounting Module

Attitude of the Sensor	Horizontal	Vertical	Universal
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Sample Clamp Module

Collet Chuck
Small Scroll Chuck

AND

XY Tilting Module

XY Table
XY Tilting Table

Bearing Module

Basic Type	
Through Hole Type	φ 2.6 Through Hole

Motor Module

Table Rotation Speed	4, 6, 8, 10 rpm
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Control System Module

PC / Table PC

Others

Origin Sensor	Whether or not
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Module Selection

Fixed sample and measurement position is one place

Column Module

Basic Column

Radius Axis Module

Basic Radius Axis (Max Diameter φ 60mm)

Extended Radius Axis (Max Diameter φ 150mm)

Sensor Mounting Module

Horizontal

For Outside Diameter

Vertical

For Out and Inside Diameter

Universal

For Out and Inside, Flat surface

(There is also a case adapter plate is required)

Sample Clamp Module

Collet Chuck

Sample is small Diameter

Under φ 55mm

Small Scroll Chuck

The diameter of sample is not fix. Under φ 50mm

XY Tilting Module

XY Table

Movable Range ±2mm

XY Tilting Table

Movable Range ±2mm / ±1°

Bearing Module

Basic Type

Sample of the general form

Motor Module

Through Hole Type

For Long Shaft under φ 22mm

4rpm

Measurements Dia is under φ 150mm

6rpm

Measurements Dia is under φ 70mm

8rpm

Measurements Dia is under φ 50mm

10rpm

Measurements Dia is under φ 30mm

Others

Origin Sensor

The combined phase

Y : Can be combined phase

N : Can not be combined phase

Measurement point is not constant

Column Module

Z Axis Guide Column

The sensor can be moved up and down, you can change the measurement height.

Ideal for manufacturing site

By selecting the module that is appropriate to the sample, it can be measured easily and quickly.

The operator can be measured repeatedly without operation of PC.

By selecting the chuck module that matches the sample, the centering operation is not required.

Even if centering work is required, it is easy to center the sample. (EZ Centering)

Others

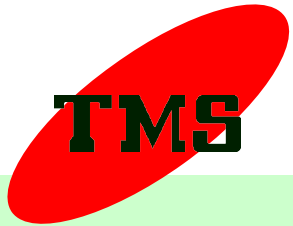
Cutout sample can be measured

Ez Centering

Recalculation

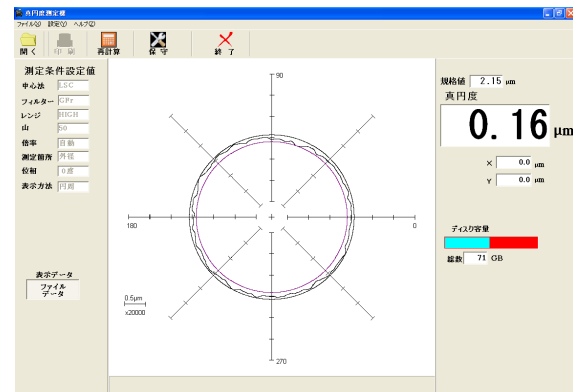
Wireless connection with body and PC

(USB connection can be also)



Measurement result

Measurement result screen



Printer output

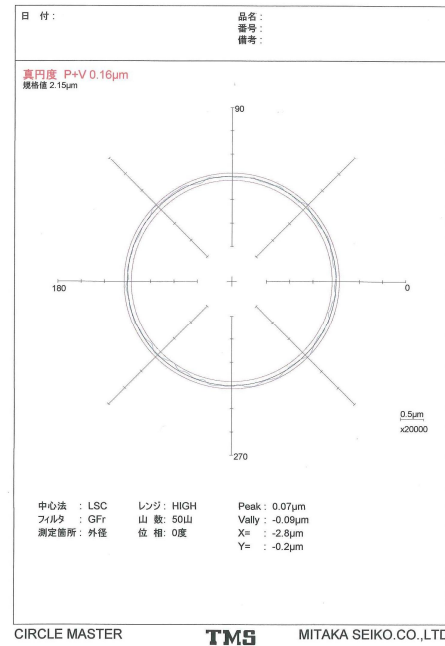


Table Rotation Type
ROUNDNESS MEASURING MACHINE

サークル マスタ
CIRCLE MASTER CM-Module

Compact Size

A3 SIZE

Easy to Operate

Modularization

For Manufacturing Site



Specification

Rotation Accuracy	(0.04+5H/10000) μm	H: Height from table surface to measuring point (mm)
Rotation Speed	4rpm, 6rpm, 8rpm, 10rpm	(You can choose)
Max measurement Diameter	φ60mm (Basic Module), φ150mm (Extension Module)	
Table Diameter	φ150mm	
Max Table Load	20kg	
Measuring item	Roundness • Coaxiality • Coaxiality • Squareness • Parallelism • Flatness • Run-out	
	(note) There are items that can not be measured by the module that you select	
Roundness evaluation of profile error	MZC (Min Zoon Center Method) • LSC (Least Square Center Method)	
Filter Types	MIC (Max Inscribed Circle Center Method) • MCC (Min circumscribed Circle Center Method)	
Cutoff Values	2CR Filter • Gaussian Filter	
Power Supply	1.5 • 5.0 • 15.0 • 50.0 undulation / revolution	
Air Source	AC 100V ~ AC 240V	
Air Consumption Volume	0.39 ~ 0.49MPa	
Size	60Nl/min	
Weight	250mm(W) × 420mm(D)	(It depends on the module you select)
	32Kg	(It depends on the module you select)

■It may want to change such as specification without notice

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