

The submicron needs are met.



Horizontal type

ROUNDNESS MEASURING MACHINE

サークル マスタ
CIRCLE MASTER CM-51P



※A personal computer and printer other than a photograph main part are attached to the actual set.

• CAN BE MEASURED A LONG SHAFT

This measurement machine is able to measure the roundness of a long shaft at arbitrary positions without cutting.

• HIGH ROTATING ACCURACY

High Rotating Accuracy by use of air bearing.

OTHERS

- Automatic eccentricity correction function
- Re-calculation function
- Be able to measure the cut-outs sample
- Built in an air pressure power diagnostic circuit
- Data aggregation is simple

Specification

Rotating Accuracy	(0.04+5H/10000) μ m	H: Distance from table surface to measuring point (mm)
Rotating Speed	6rpm	
Max Load Diameter	ϕ 28mm	
Max Load of Rotating Table	3Kg	

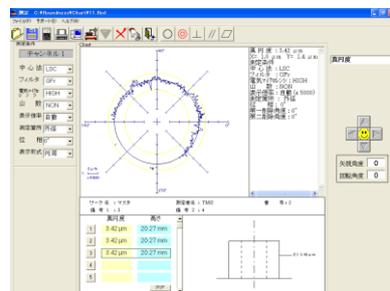
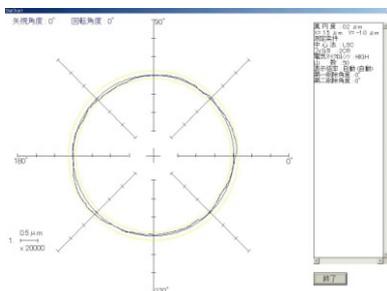
Please use a support stand, when you measure the sample exceeding a maximum payload.

Measuring Probe	ϕ 2mm ball
Measuring Force	0.0785 N (8gf)
Measuring items	Roundness
Reference Circle	LSC (Least square center), MIC (Max inscribed center), MCC (Min circumscribed circle center)
Filter Types	2CR - Gaussian Filter (Digital Filter)
Cut-off Filter	15-50-150-500 UPR
Electric Supply	AC100V 50/60Hz (to be specified at ordering time)
Air Pressure Required	0.35MPa ~ 0.5MPa
Air Consumption Rate	60NI/min This must be completely freed from Oil mist
Machine Dimension	W750mm \times D430mm \times H450mm (Measuring unit only)
Machine Weight	175Kg (Main Part)

Accessories

Support stand	The diameter of the maximum support ϕ 28mm
Air Drier (Film Type)	Back attachment of a main part
Air Drier (A frozen Type)	Every exception type (200mm \times 328mm \times 395mm)
Measuring Force High press	0.147N (15gf)
AC Constant Voltage Supply Device	

The example of a display



■ Above specifications may be changed without notice

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