

Horizontal type

ROUNDNESS MEASURING MACHINE

サークル マ ス タ
CIRCLE MASTER CM-51P

The submicron needs are met.

TMS



※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	$(0.04+5H/10000) \mu m$	H: Distance from table surface to measuring point (mm)
Rotating Speed	6rpm	
Max Load Diameter	$\phi 28mm$	
Max Load of Rotating Table	3Kg	

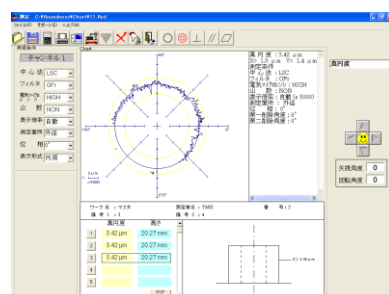
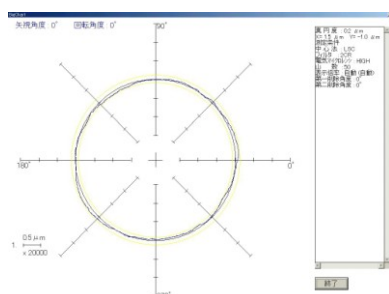
Please use a support stand, when you measure the sample exceeding a maximum payload.

Measuring Probe	$\phi 2mm$ ball
Measuring Force	0.0785N (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 × D430mm × H450mm (Measuring unit only)
Machine Weight	175Kg (Main Part)

▪ Accessories

Support stand	The diameter of the maximum support $\phi 28mm$
Air Drier (Film Type)	Back attachment of a main part
Air Drier (A frozen Type)	Every exception type (200mm × 328mm × 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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