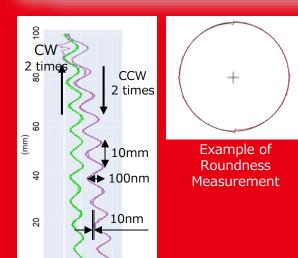
The 2D enables to show what you couldn't see





New Standard for Accuracy Evaluation of Precision Stage

High Resolution, High Frequency Resolution 10pm Sampling Frequency 10kHz

-0.1 0 0.1 0.2 0.3 (µm)

0

Greater working distance of sensor head enables easy installation. Also enables vertical installation.

SEIESC2020

Distance between the sensor head and the scale

2.9mm±0.2mm



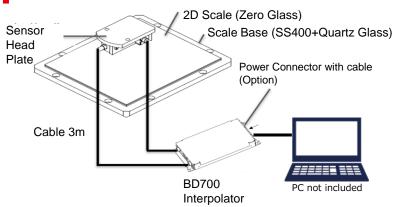
Enables high accuracy measurement equivalent to an interferometer, with no atmospheric effect.

Cumulative Accuracy ±0.5µm (Effective Scale Length 200×200mm)

Uses zero expansion glass, unaffected by ambient temperature

Thermal Expansion Coefficient 0.1×10^{-6} /°C

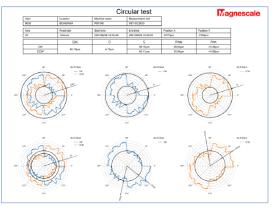
System Configuration



Sample of Measurement Software



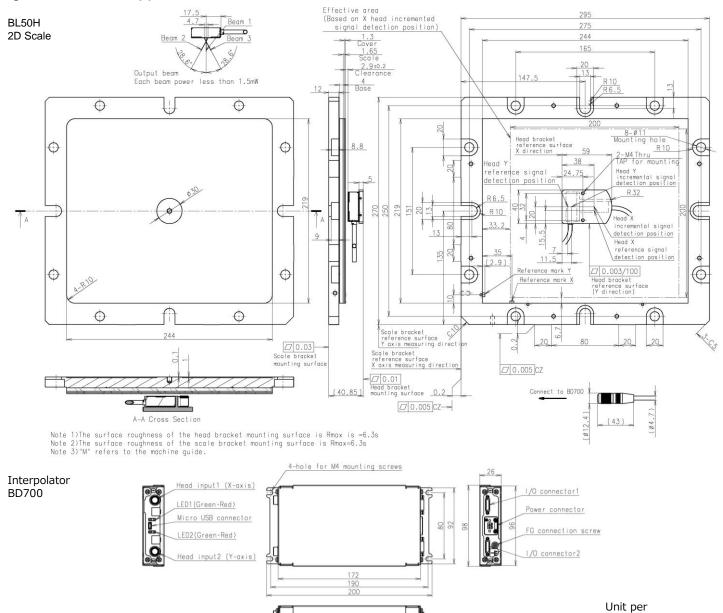
Roundness measurement mode screen



Roundness measurement report File

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Drawing of the Product Appearance



Main Specifications

Measuring Length	200 × 200 mm
Signal Cycle	400 nm
Maximum Resolution	10 pm
Cumulative Accuracy	$\pm 0.5 \ \mu m$ (After compensation, scale measuring length 200 $ imes$ 200mm)
Working Distance	2.9±0.2 mm
XY Orthogonality	±0.3 s (After compensation)
Scale Material and the Thermal Expansion Coefficient	ZERO Glass、0.1×10 ⁻⁶ /℃
Scale Base Material and the Thermal Expansion Coefficient	SS400 : 11.8×10⁻⁶/℃, Quartz Glass : 0.5×10⁻⁶/℃
Measuring Speed	1.0 m/s
Sensor Head Mass	0.2 kg (without cable)
Cable Length	3 m
Input and Output Signals	BiSS C for Incremental , USB
Packaging	With Carry Case
Software	Measurement Software (CSV output), Roundness measurement Software, Lissajous monitoring software

※For your safety : Please read "Instruction Manual "carefully before using the product. ●Contents may be subject to change without prior notice %This product (and technology) falls under item 16 of the Export Ordinance Appendix 1 (Item 16 of the Foreign Exchange Ordinance Appendix). Please check with the exporter regarding the necessity of permission from the Ministry of Economy, Trade and Industry under the catch-all control.

Magnescale Co., Ltd.

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SETSC2020-EA04S S.2312.FO100 measure : mm