

BaRotation

EN

DIN
ISO
48-2

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2001

Automated hardness test system for O-rings according to IRHD Micro and Micro Shore A.



MEASURING METHODS

The BaRotation was specifically developed for the routine testing of O-rings. With the test system, it is possible to measure O-rings and other components automatically using the IRHD Micro and Micro Shore A measurement methods. Through the laser detection of the specimen, measurement of hardness and, if necessary, thickness measuring are performed at the desired position. It is arbitrary whether the test should take place at the highest position or the centered position of the string thickness. The automated measuring process reduces user influence to a minimum.

The automated measuring process avoids manual, time-consuming sample placement and enables unmanned routine testing with reliable measurement results.

IRHD Micro

Micro Shore A

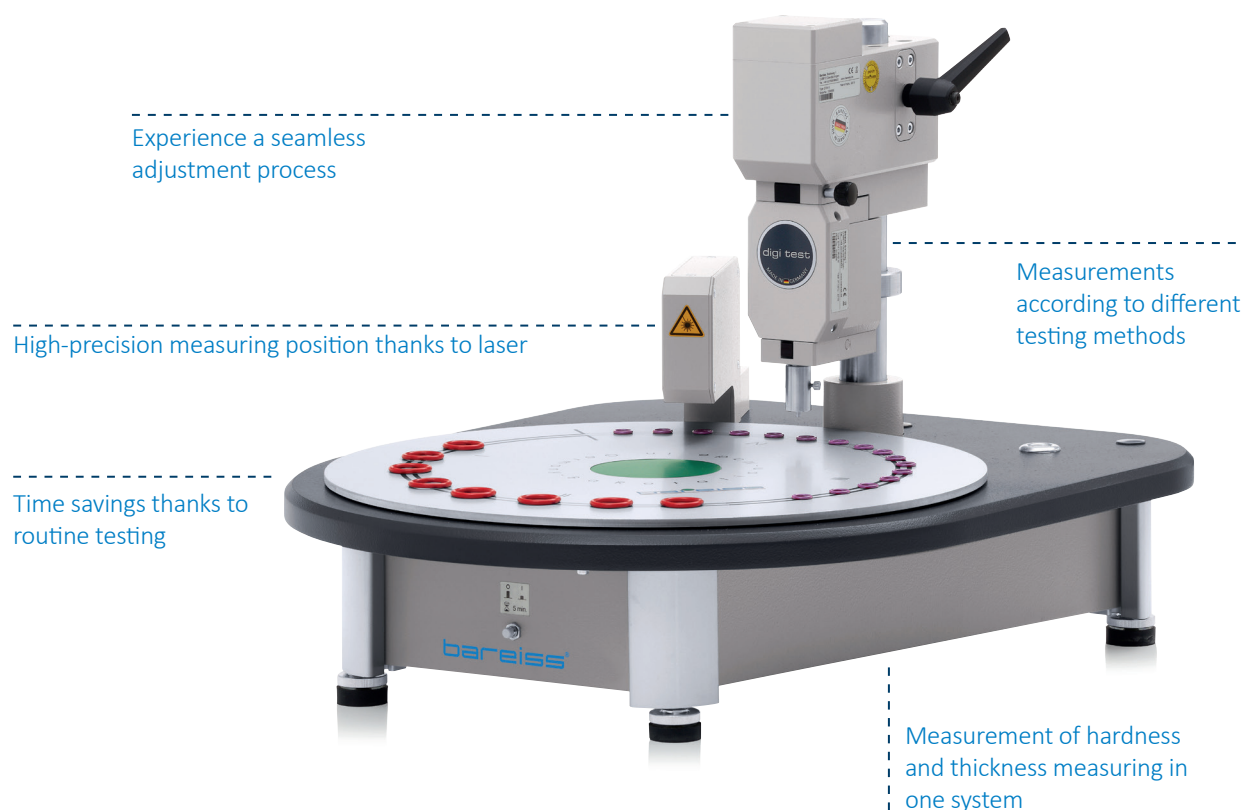
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FEATURES



TECHNICAL DATA

Test stand

Dim. W x H x D 45 x 39 x 55 cm

Weight 21,00 kg

With pick-up bracket and measuring device

Dim. W x H x D 45 x 39 x 55 cm

Weight 23,71 kg

Electronic unit

Dim. W x H x D min. 26 x 11,5 x 26,5 cm

max. 26 x 11,5 x 34 cm

Weight 2,32 kg

Power supply 100-240 VAC; 50/60 Hz

Protection class: IP 20 IP 20

Laser class: 2

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ACCESSORIES



Reference elastomer blocks with DAkkS-accredited calibration certificate Mit Reference blocks can be used to check the indenter, measuring path and spring force of the hardness tester according to DIN ISO 48-4.



**Measuring device
IRHD Micro or
Micro Shore A**

REFERENCES

For fully automatic and laser-assisted hardness testing on plane-parallel plates, molded parts, and O-rings without user influence, utilize our centering device Barofix 4 in combination with the digi test II or our manual Barofix.

MADE IN GERMANY SINCE 1954.

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The accreditation is valid for the scope listed in certificate D-K-15206-01-00 (mechanical measurands in the range of hardness).