Other technical data such as

- lateral resolution
- vertical resolution
- or measurement frequency

depend on the controller used and are therefore not listed here.

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We have a small but high-quality selection of chromatic confocal distance probes developed in our laboratories and manufactured in-house.

Further examples of our standard sensors with focusing self-developed

**high-performance aspheres**

are to be found on our homepage at

www.jordan-oe.com/en/products/

We also develop and manufacture

**customer-specific**

chromatic confocal distance probes.

Information about the function of our

**chromatic confocal distance sensors**

and

**confocal surface measurement technology**

can be found on our homepage at

www.jordan-oe.com/en/publications/

**Jordan Optical Engineering GmbH**

Consulting - Development - Production and more
… everything related to high accuracy optical surface metrology - and roughness measurement.

We support you in all aspects of **non-contact and high accuracy optical surface metrology - and roughness measurement**.

Whether you like to develop new products in this area or to implement difficult and technically demanding projects - **we are the experts in these fields**.

We have been involved in high accuracy optical surface and roughness measurement since 1990. Our technology is comparable to traditional stylus measurement. With **more than 25 years of experience in optical surface and roughness measurement** we can therefore guarantee the highest levels of reliability to our customers.

Take advantage of our know-how
… and our versatility
… and design the optimum system you deserve!

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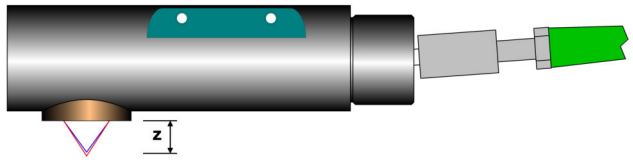
JORDAN OPTICAL ENGINEERING

www.jordan-oe.com

**Chromatic Confocal Distance Probe**

# RB-400-90°.2

**NA = 0.5 / z = 5 mm / dz = 400 µm**




You can download this flyer as an **English PDF**:

www.jordan-oe.com/en/products/

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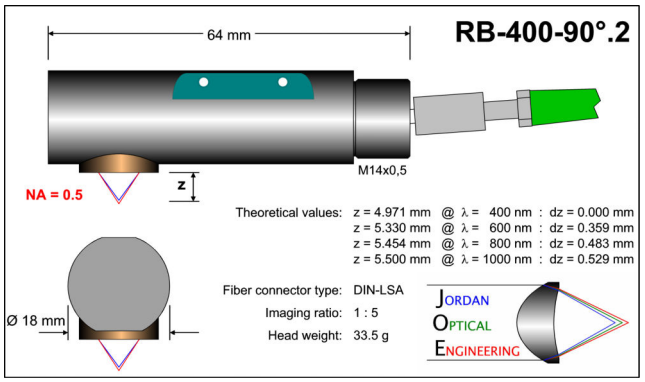
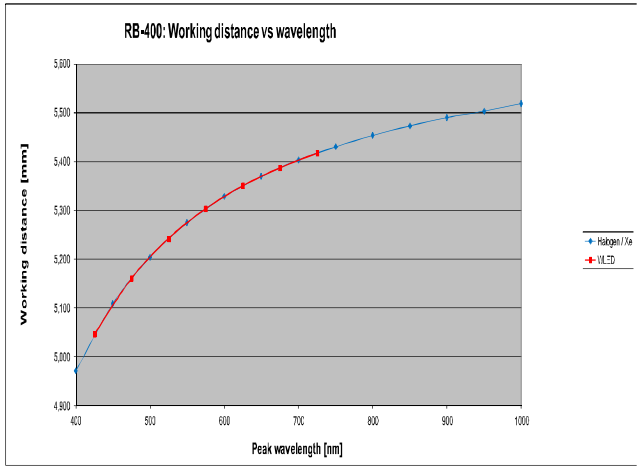
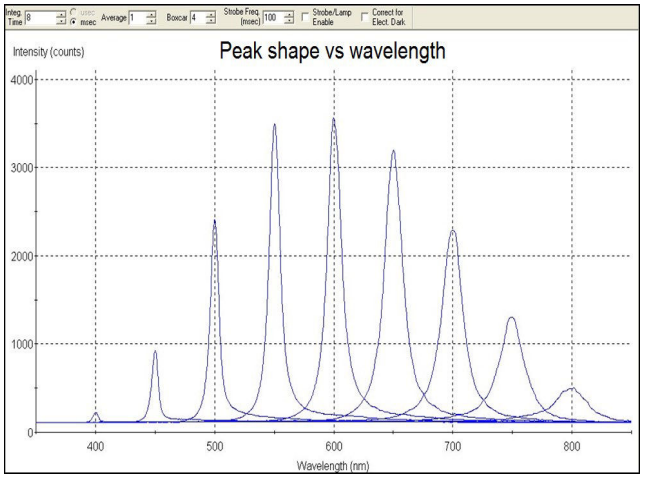
*Sie können diesen Flyer als **Deutsches PDF** herunterladen:*

*www.jordan-oe.com/de/produkte/*

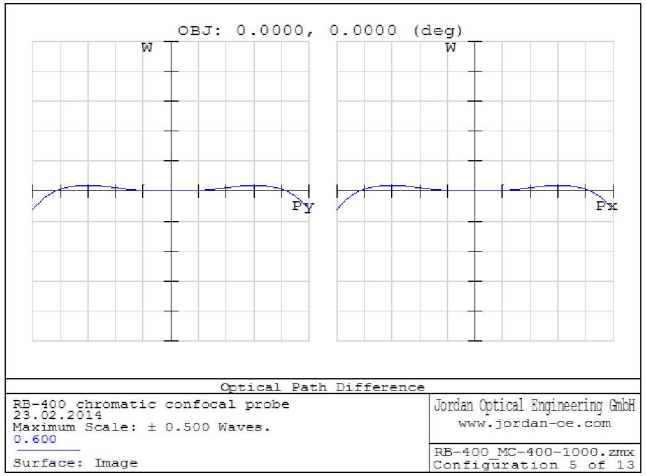
## Technical Data:

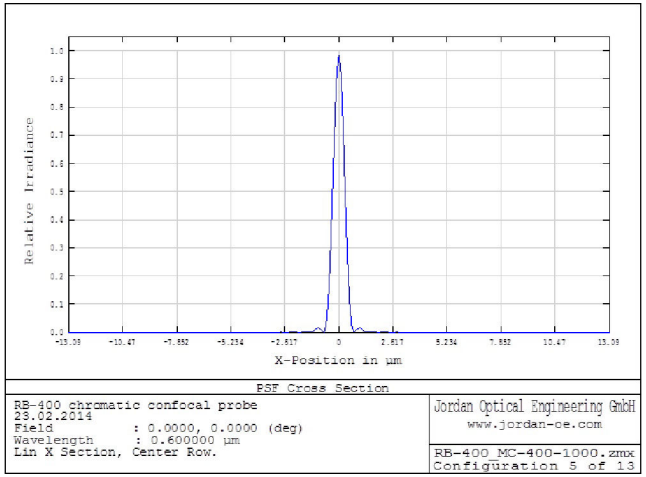


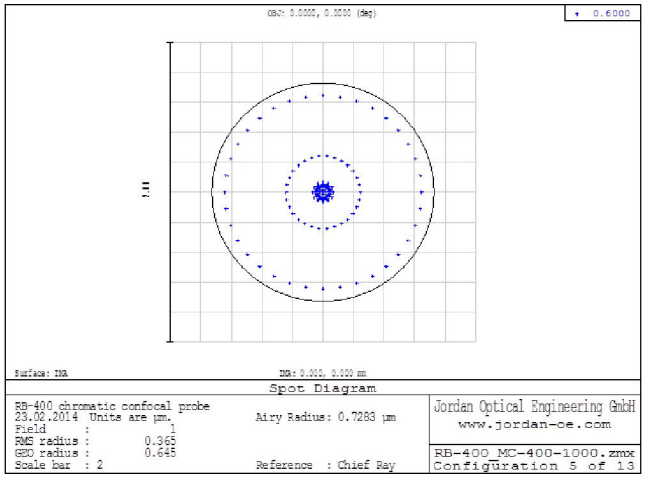



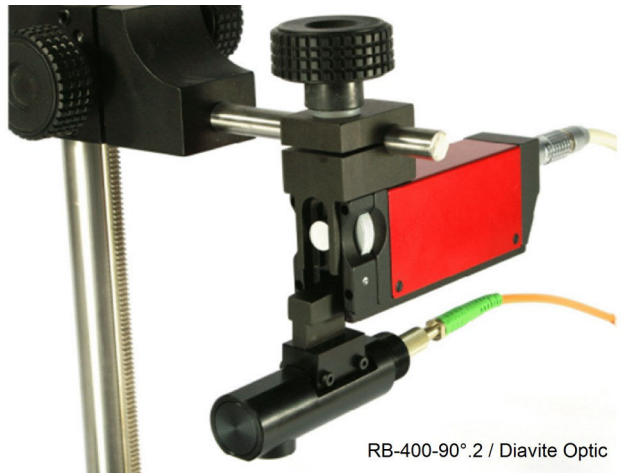

## Optical Performance (at 600 nm):

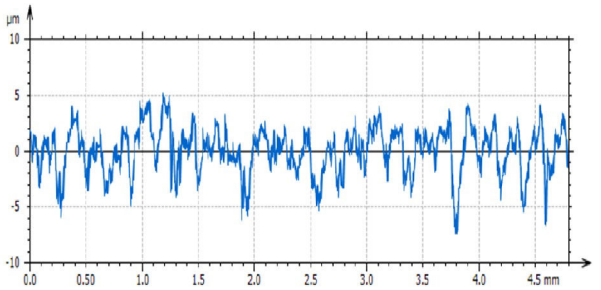


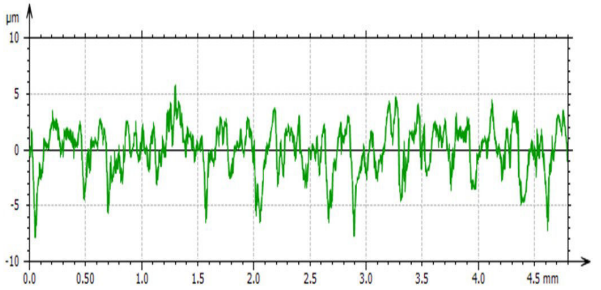




## A typical application: Roughness measurement




Calibration standard: **Rugo N7A (grinded)**




| Optical Measurement | | | | Stylus Measurement | | | |
|---|---|---|---|---|---|---|---|
| ISO 4287 | | | | ISO 4287 | | | |
| Amplituden-Parameter - Rauheitsprofil | | | | Amplituden-Parameter - Rauheitsprofil | | | |
| Ra | 1.49 | µm | *Gauss-Filter, 0.8 mm* | Ra | 1.59 | µm | *Gauss-Filter, 0.8 mm* |
| Rz | 8.94 | µm | *Gauss-Filter, 0.8 mm* | Rz | 9.89 | µm | *Gauss-Filter, 0.8 mm* |
| Andere 2D-Parameter | | | | Andere 2D-Parameter | | | |
| Rauheitsprofil-Parameter | | | | Rauheitsprofil-Parameter | | | |
| Rmax | 11.4 | µm | *Gauss-Filter, 0.8 mm* | Rmax | 11.3 | µm | *Gauss-Filter, 0.8 mm* |