

Other technical data such as

- lateral resolution
- vertical resolution
- or measurement frequency

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

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.

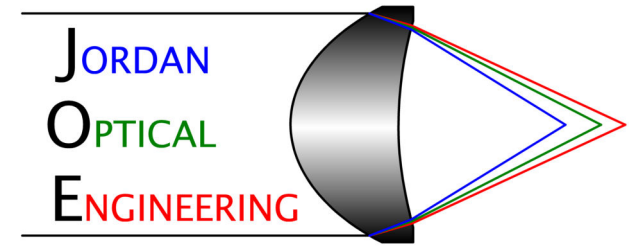
We support you in all aspects of **non-contact and high accuracy optical surface metrology - and roughness measurement.**

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!

Jordan Optical Engineering GmbH
Dr. Hans-Joachim JORDAN
Scheffelweg 21
D-77830 Buehlertal
Germany
Fon: +49.(0)7223.9539300
Fax: +49.(0)7223.9539306
contact@jordan-oe.com
www.jordan-oe.com

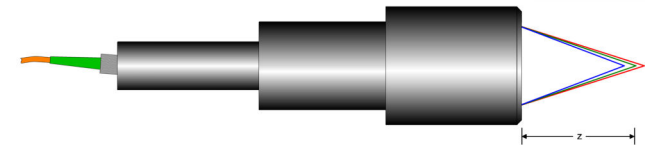


www.jordan-oe.com

Chromatic Confocal Distance Probe

RB-I 0000. I

NA = 0.3 / z = 67 mm / dz = 10 mm



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

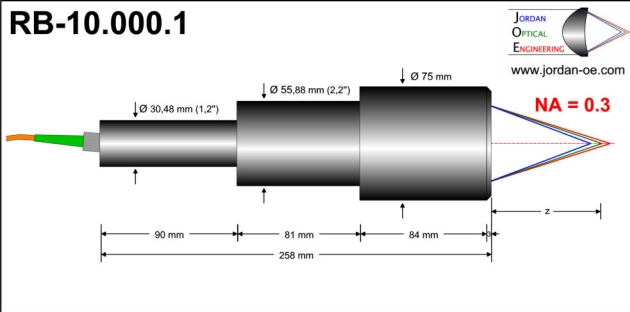
www.jordan-oe.com/en/products/

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

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

Technical Data:

RB-10.000.1

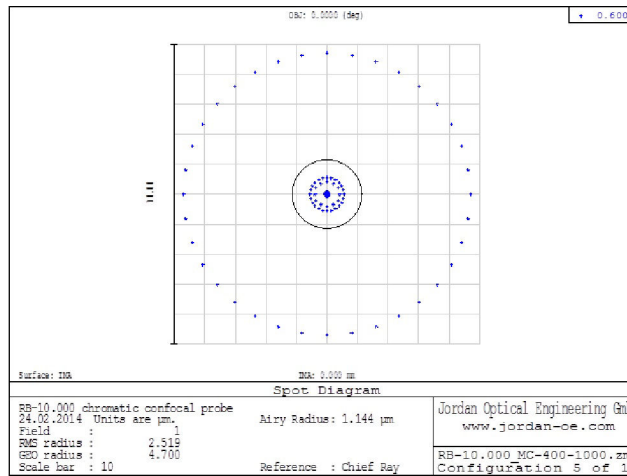
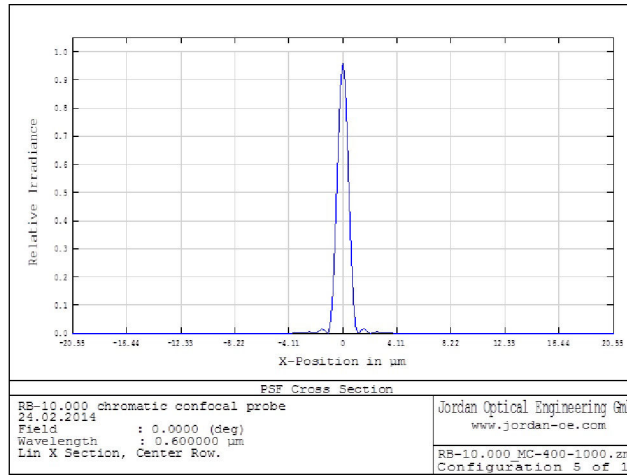
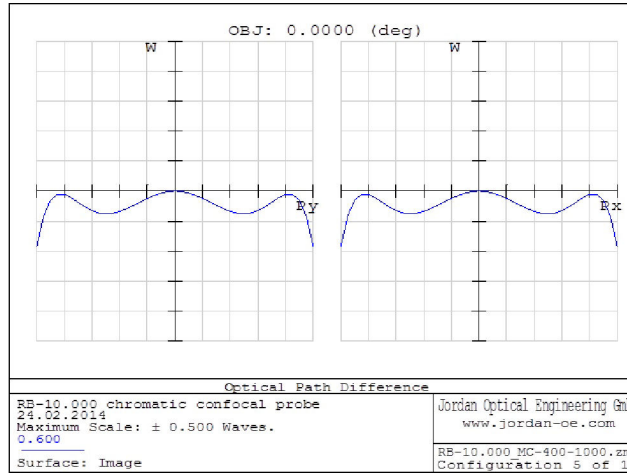


Fiber connector type: FC/APC
Imaging ratio: 1 : 2
Head weight: 900 g

Theoretical data (W-LED light source)

$z = 67.000 \text{ mm}$ @ $\lambda = 425 \text{ nm}$: $dz = 0.000 \text{ mm}$
 $z = 72.537 \text{ mm}$ @ $\lambda = 525 \text{ nm}$: $dz = 5.537 \text{ mm}$
 $z = 75.509 \text{ mm}$ @ $\lambda = 625 \text{ nm}$: $dz = 8.509 \text{ mm}$
 $z = 77.337 \text{ mm}$ @ $\lambda = 725 \text{ nm}$: $dz = 10.337 \text{ mm}$

Optical Performance (at 600 nm):



A typical application: Thickness measurement of layers

Thickness measurement of **3 successive and partially transparent layers**, before and after air gap:

Layer 1: 560 μm antireflexive-coated glass (0.05 % reflection)

Layer 2: 350 μm air gap

Layer 3: 1000 μm uncoated glass (4 % reflection)

4 Peaks: 2x weak and 2x strong

