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!

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JORDAN OPTICAL ENGINEERING

www.jordan-oe.com

Chromatic Confocal Distance Probe

RB-3000.2

NA = 0.3 / z = 35 mm / dz = 3 mm

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

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

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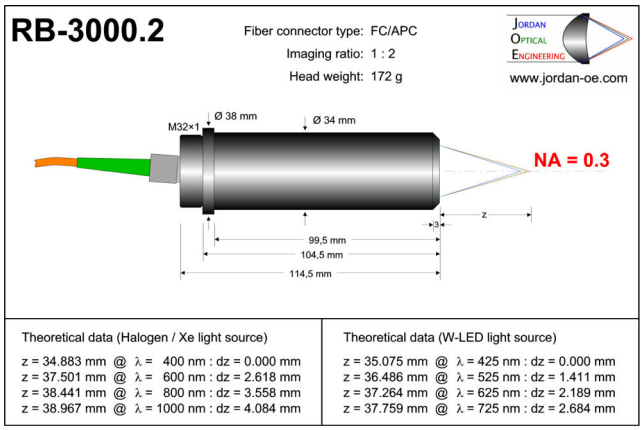
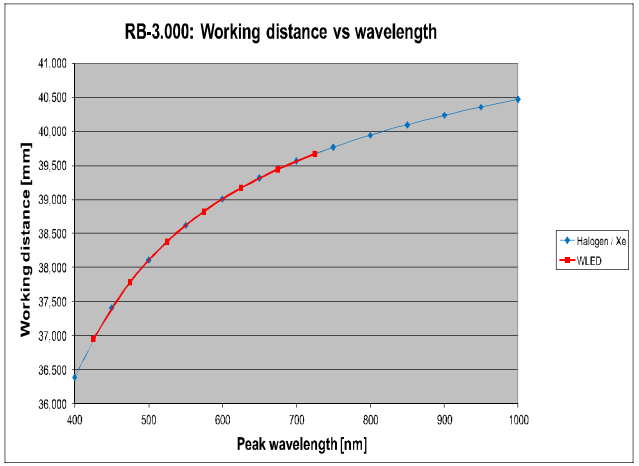
*Sie können diesen Flyer als **Deutsches PDF** herunterladen:*

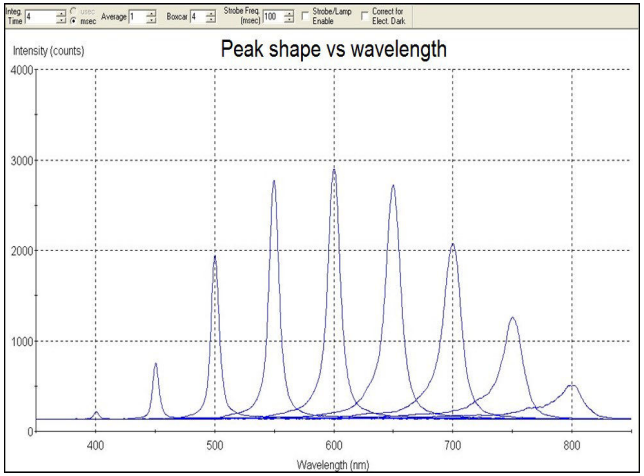
www.jordan-oe.com/de/produkte/

Technical Data:

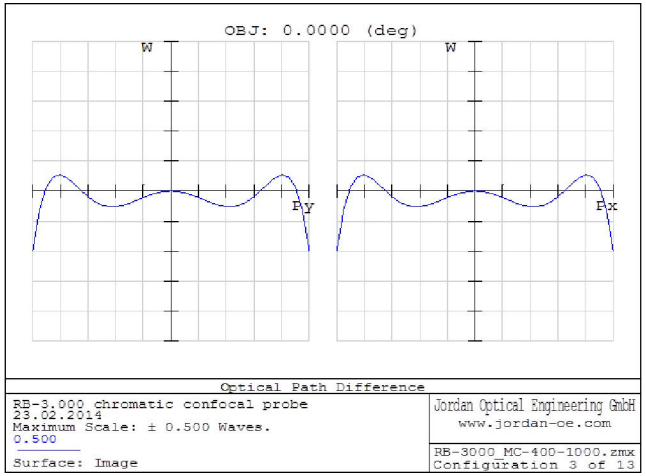


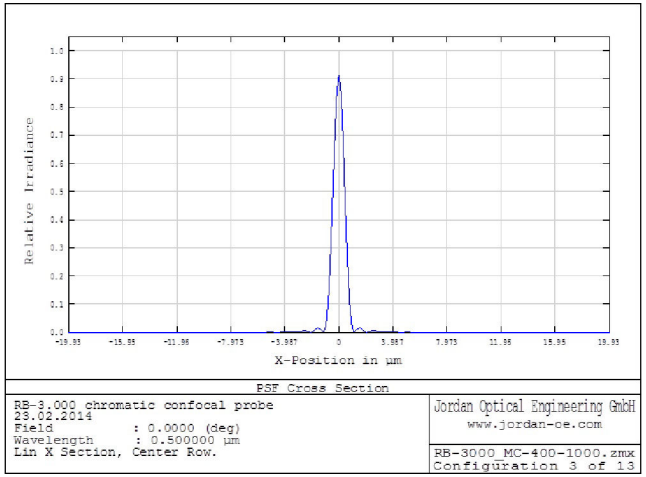
Theoretical data (Halogen / Xe light source)	Theoretical data (W-LED light source)
z = 34.883 mm @ λ = 400 nm : dz = 0.000 mm	z = 35.075 mm @ λ = 425 nm : dz = 0.000 mm
z = 37.501 mm @ λ = 600 nm : dz = 2.618 mm	z = 36.486 mm @ λ = 525 nm : dz = 1.411 mm
z = 38.441 mm @ λ = 800 nm : dz = 3.558 mm	z = 37.264 mm @ λ = 625 nm : dz = 2.189 mm
z = 38.967 mm @ λ = 1000 nm : dz = 4.084 mm	z = 37.759 mm @ λ = 725 nm : dz = 2.684 mm

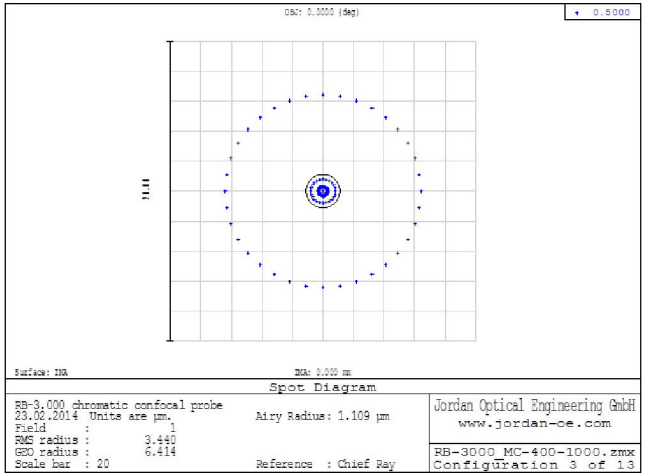




Optical Performance (at 500 nm):







A typical application: Thickness measurement of layers

Position measurement of the filament in an incandescent lamp measured through the glass

1st Peak: from outside the glass

2nd Peak: from inside the coil