



**A whole new dimension for  
roughness measurements.**

**ZEISS ROTOS**



**ZEISS ROTOS** offers optimum precision and maximum flexibility when performing roughness measurements thanks to its modular design and **rotation in three axes: easy-to-change stylus arms** further expand the range of possible applications.



**Increased measuring speed, greater flexibility.**

The complete integration of the roughness measurement on your coordinate measuring machine (CMM) ensures that you capture all the characteristics of your component in one measurement run – in full compliance with the standards.



**Increased efficiency means you reduce your costs.**

By integrating the roughness measurement into the measurement runs on your CMM, you avoid time-consuming reclamping on special machines for surface measurements.



**The perfect overview: all analysis results are available in a single report.**

All common surface parameters can be evaluated in ZEISS PiWeb in conjunction with size, form and location and are shown in precisely the way you want.

### ZEISS ROTOS RS1 / RS2

Offset stylus arm for standard applications and optimum accessibility. Measurements can be performed in any spatial orientation. Also suitable for measuring reset surfaces (RS1: skidless).



### ZEISS ROTOS RS3

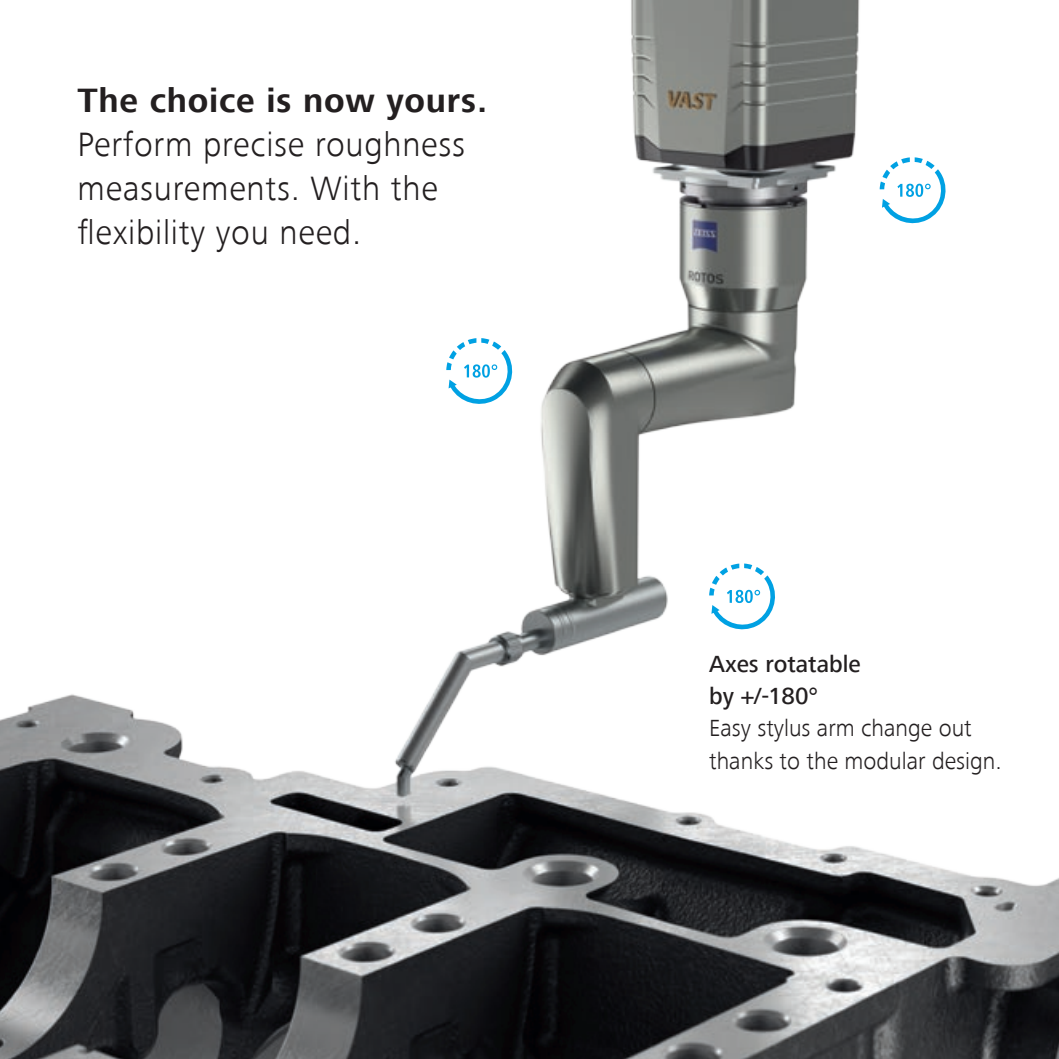
Thin stylus arm for small diameters, e.g. measuring valve guides. Measurements can be performed in any spatial orientation.



A wide variety  
of sensors to choose from

## The choice is now yours.

Perform precise roughness measurements. With the flexibility you need.



180°

180°

180°

Axes rotatable  
by  $\pm 180^\circ$

Easy stylus arm change out  
thanks to the modular design.



- No reclamping on different machines
- Minimum set-up times
- Measurement controlled by CNC program
- Programmable via offline simulation
- Standardized measurement report with ZEISS PiWeb
- Accessibility for any application: three axes each featuring +/- 180°
- Overhead measurements
- Modular design with three stylus arms: RS1, RS2, RS3

Starting in May 2018, additional application-specific stylus arms will be available, including skidless systems for measuring roughness and waviness on sealing faces.



Your benefits at a glance

# ZEISS ROTOS

## Compatibility

The ZEISS ROTOS sensors are available for the following measuring systems:

- ZEISS PRISMO (manufactured since: 04/2017)
- ZEISS PRISMO ultra (manufactured since: 04/2017)
- ZEISS CenterMax (manufactured since: 07/2018)
- ZEISS ACCURA and ZEISS MMZ  
(sizes and manufacturing year available upon request)
- Retrofit quotations available upon request

ZEISS ROTOS will be available starting in May 2018.

**Schedule your demo today!**

Register now for a customized ROTOS demo or our free webinar on surface measuring technology using coordinate measuring machines by going to: [www.zeiss.de/imt](http://www.zeiss.de/imt)

### Carl Zeiss

#### Industrielle Messtechnik GmbH

73446 Oberkochen / Germany

Sales: +49 (0) 7364/ 20-6336

Service: +49 (0) 7364/ 20-6337

Fax: +49 (0) 7364/ 20-3870

Email: [info.metrology.de@zeiss.com](mailto:info.metrology.de@zeiss.com)

Internet: [www.zeiss.de/imt](http://www.zeiss.de/imt)