



ZEISS SPECTRUM family

Unmatched Performance and Flexibility at a Great Price



Seeing beyond



Table of contents

ZEISS SPECTRUM

Key Characteristics

1 Unmatched scanning technology

The combination of ZEISS passive scanning tactile probes and the ZEISS articulating head increases the reliability and reduces operation time of measurements enormously. It also enables a wide range of measurement tasks.

2 Optical scanning options

Upgrading to the next level in identifying parts by scanning complex geometry and surface with the new laser scanner ZEISS LineScan One, all measurements integrate into one CMM.

3 Tailored for your application

Flexibility with different sensor options:

ZEISS direct VAST XXT

ZEISS RDS-CR5-CAA VAST XXT TL1

ZEISS RDS-CR5-CAA VAST XXT TL3

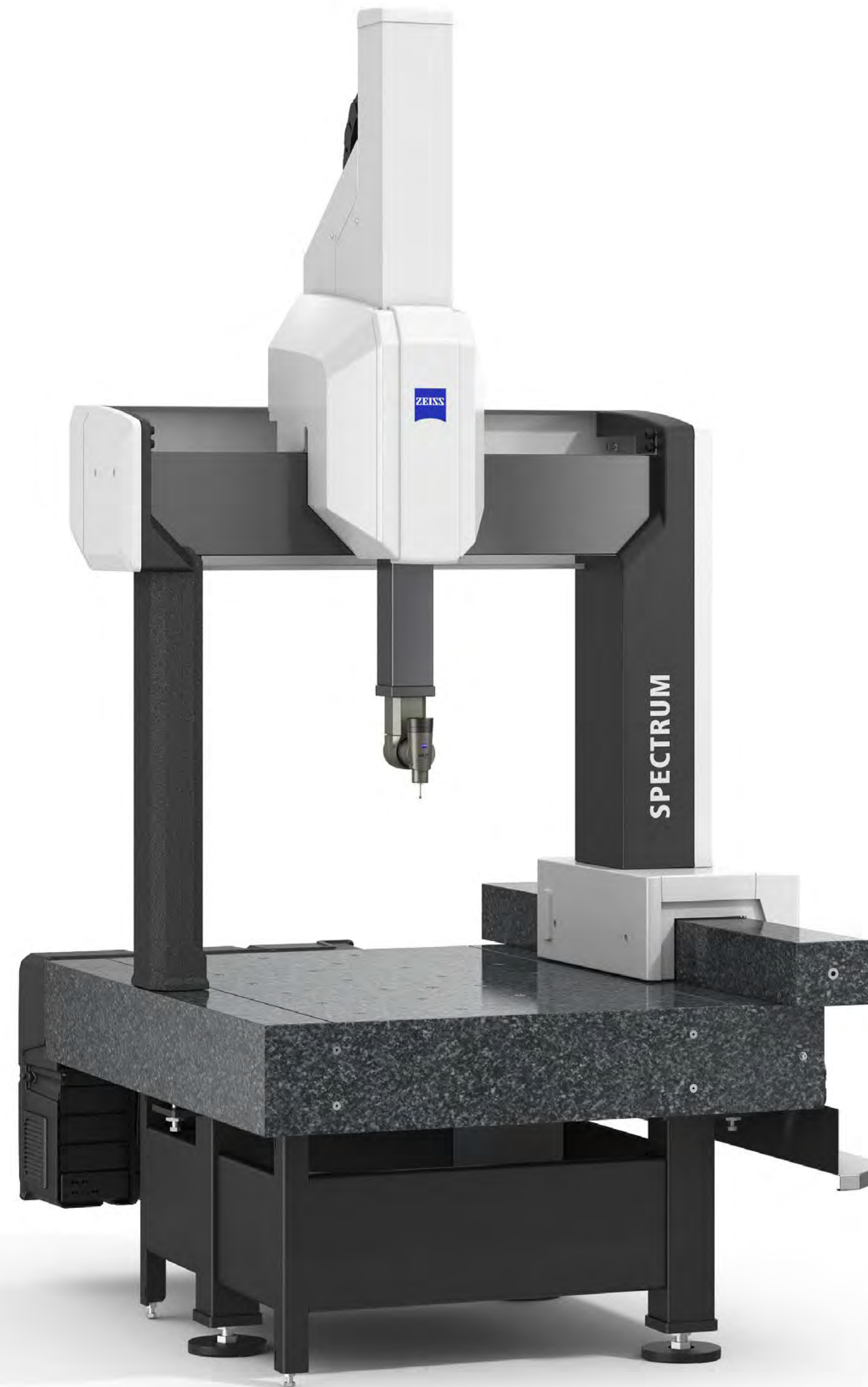
ZEISS RDS-CR5-CAA VAST XXT TL3 Compact design

Four machine sizes provide a variety of measuring volumes to choose from.

4 ZEISS SoftTouch Mode

Optional for VAST XXT TL1

Boost the performance of your CMM even further and unlock the full potential. Save up to 40% measurement cycle time on your most fragile and flexible parts with ZEISS SoftTouch Mode.



ZEISS SPECTRUM

Key Characteristics

5 Excellent workpiece accessibility

ZEISS VAST XXT TL3 compact design sensor increases the available machine measuring volume up to 30%.

6 Get a great value

Highest quality from leading technology with a MPEEO of 1.8+L/250 μm for 7/7/6

7 Cost effectiveness

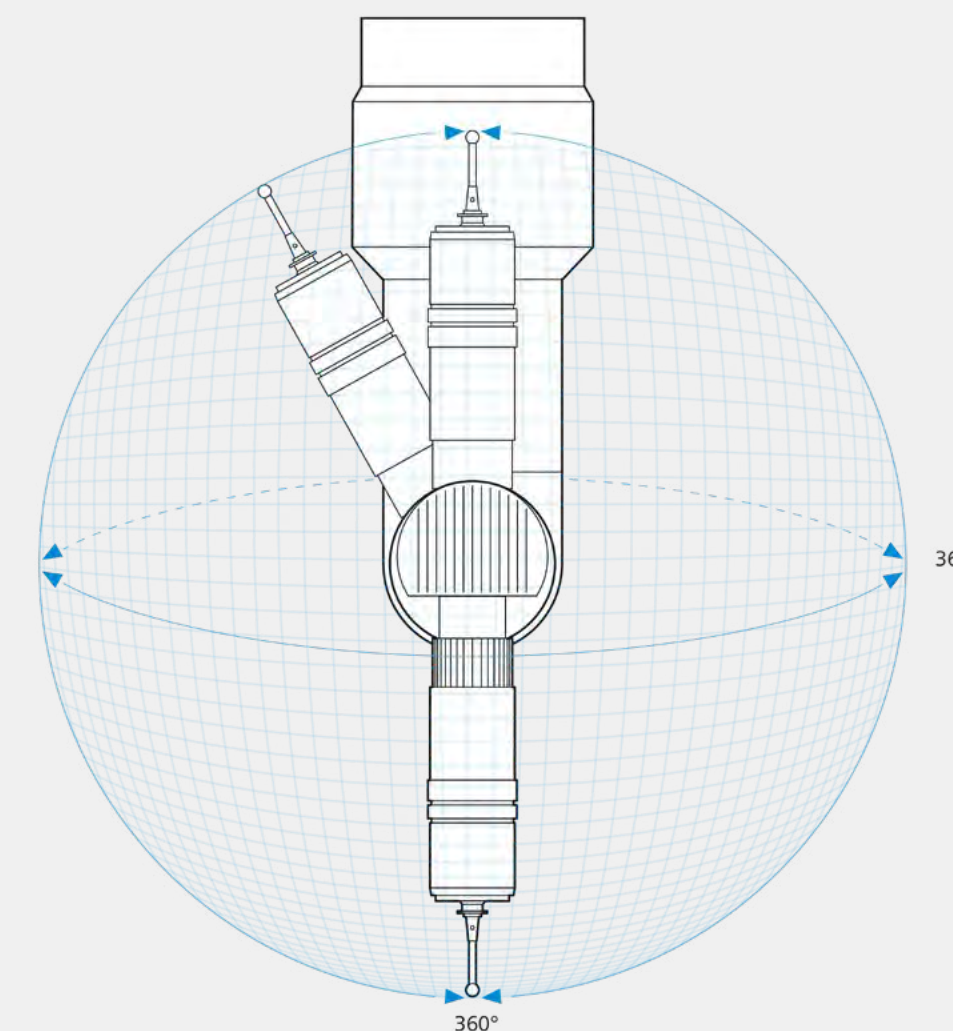
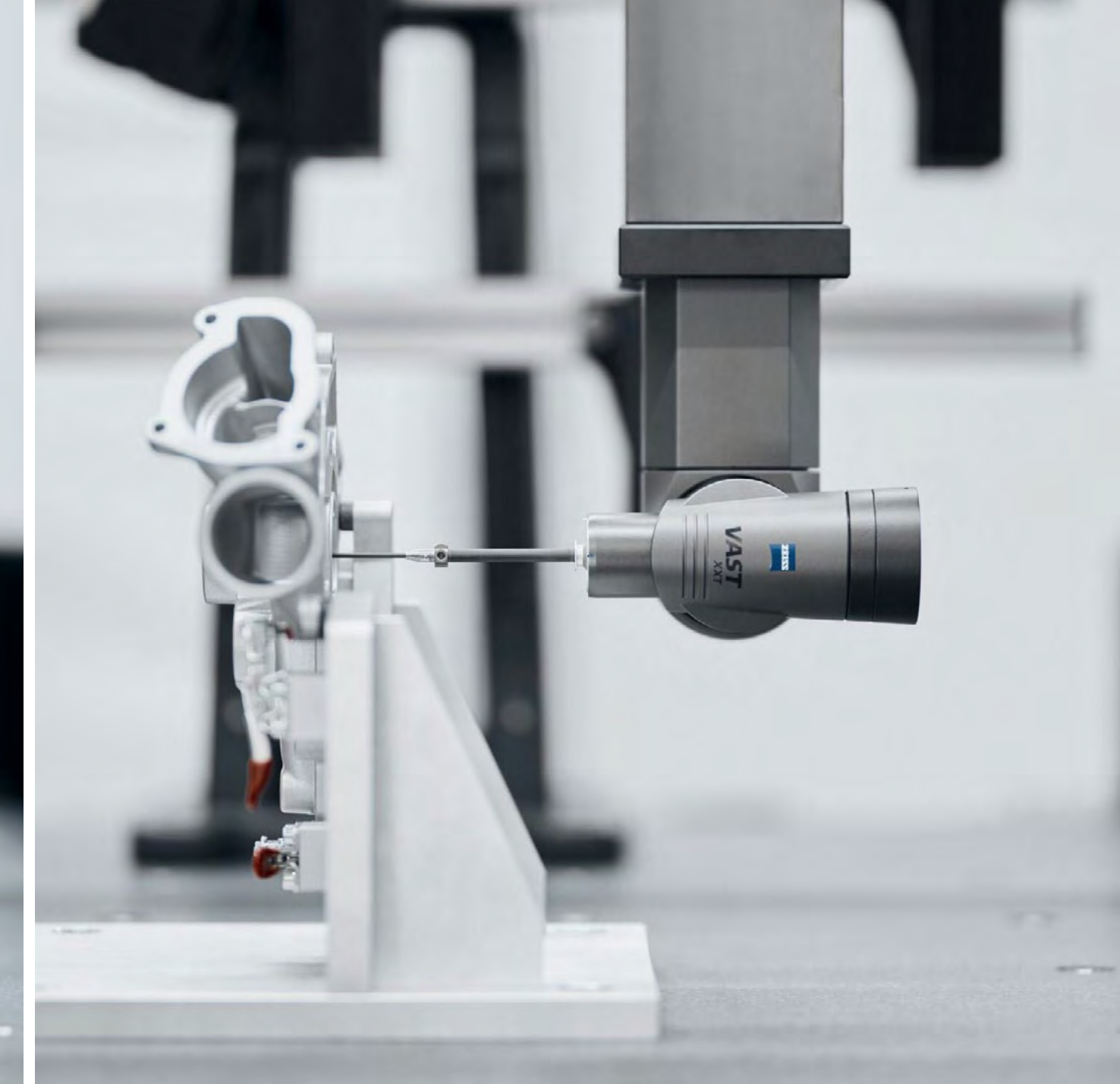
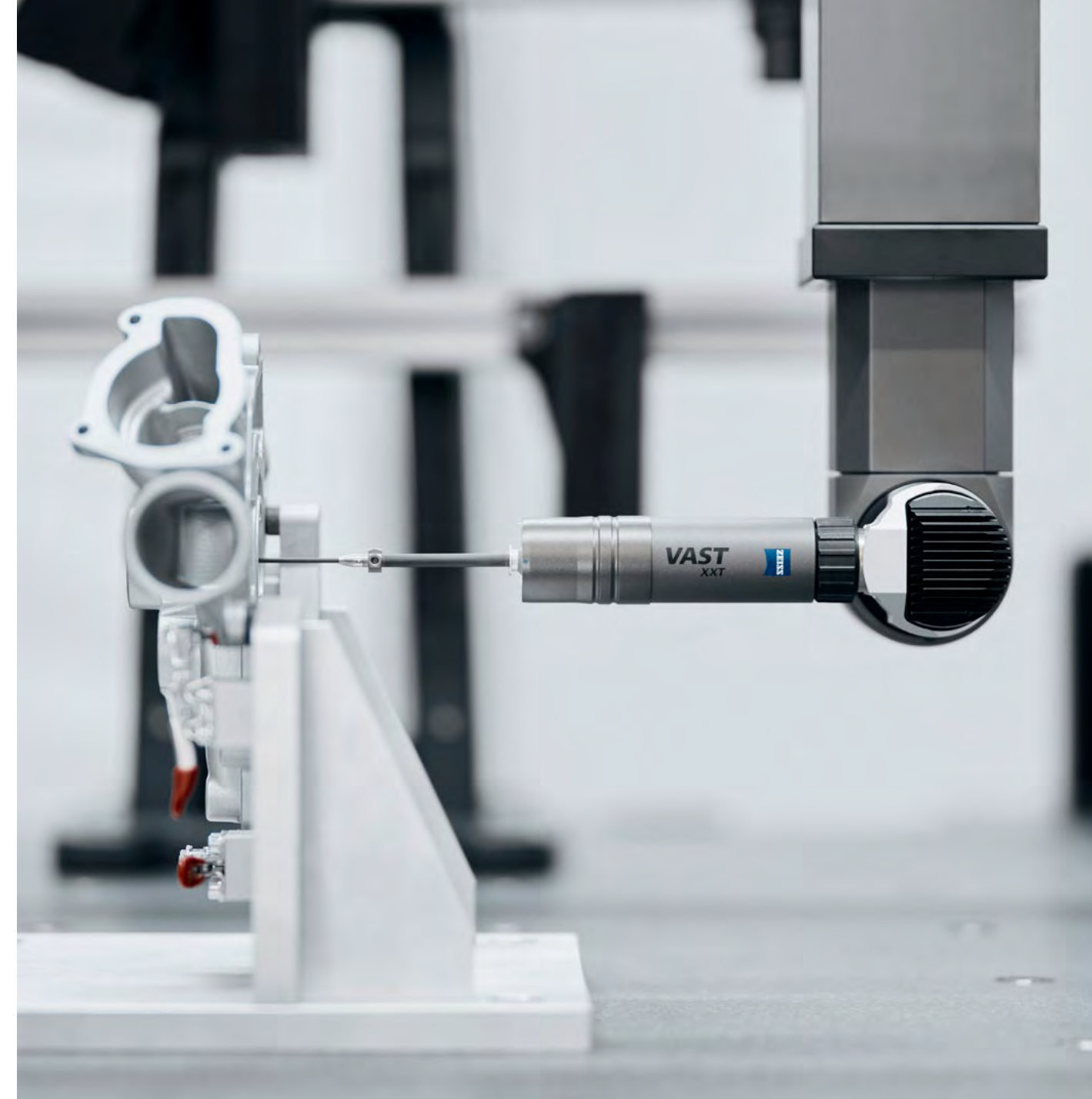
Get the fastest qualification time in class ZEISS RDS-CR5 including CAA allows a qualified system of all 5,184 possible angles in approx. 12 minutes.

8 Reliability

Floating mounted glass ceramic scales for eliminating the temperature scale deflection, meaning temperature sensors are not required.

9 Small footprint

Compact design that's big on precision. Features a backpack controller, as well as passive damping system and earthquake protection.



5 degree

5,184 possible angles

ZEISS SPECTRUM verity

Key Characteristics

ZEISS SPECTRUM verity

This bridge-type coordinate measuring machine offers more reliability, stability, capability and flexibility.

The combination of ZEISS passive scanning tactile probes and the ZEISS articulating head increases the reliability and reduces operation time of measurements enormously. It also enables a wide range of measurement tasks.

1 Tailored for your application

Flexibility with different sensor options:

ZEISS direct VAST XXT

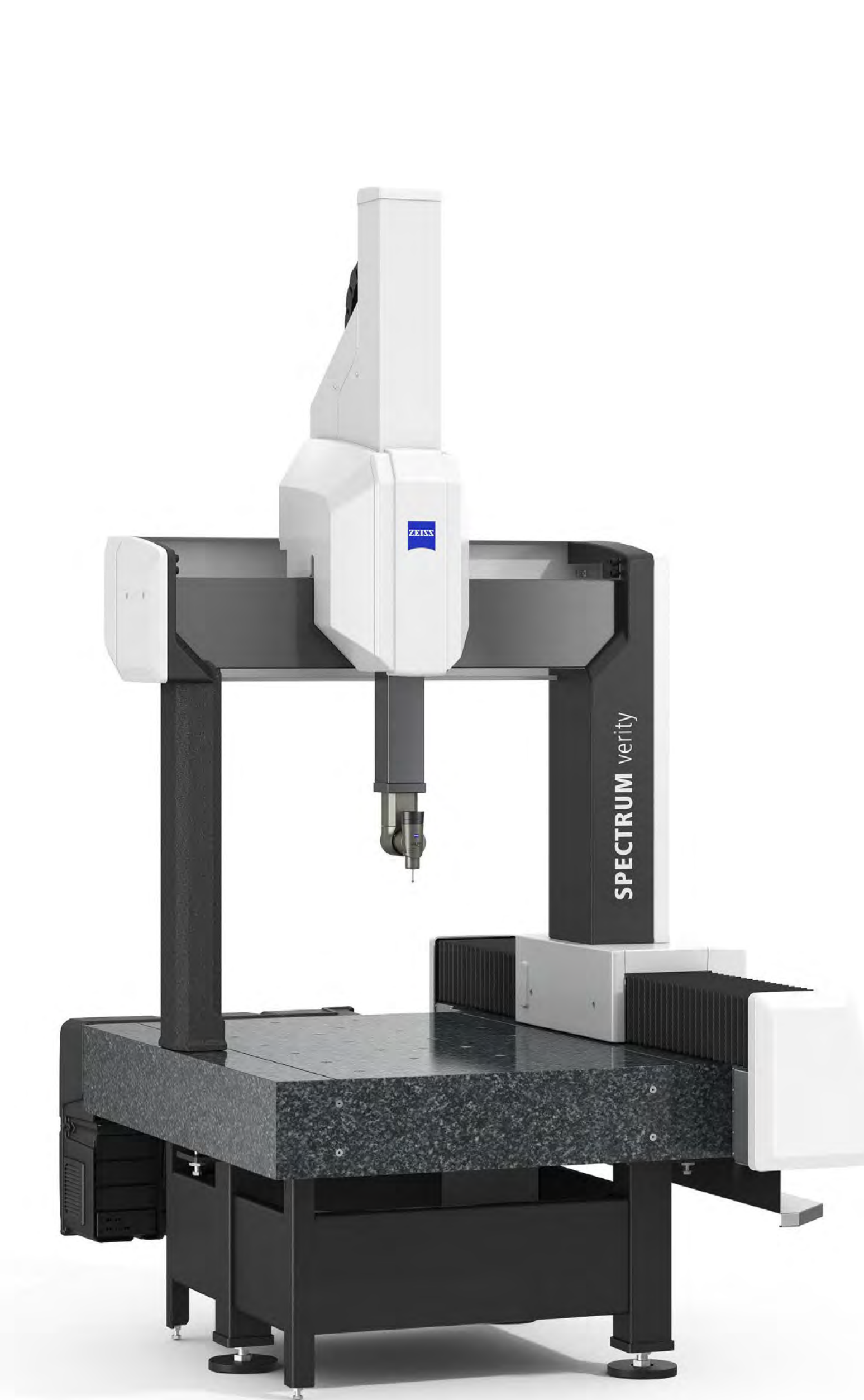
ZEISS RDS-CR1-CAA VAST XXT TL1

ZEISS RDS-CR1-CAA VAST XXT TL3

ZEISS RDS-CR1-CAA VAST XXT TL3 Compact design

Soft Touch Mode Optional for VAST XXT TL1

Four machine sizes provide a variety of measuring volumes to choose from.



ZEISS SPECTRUM verity

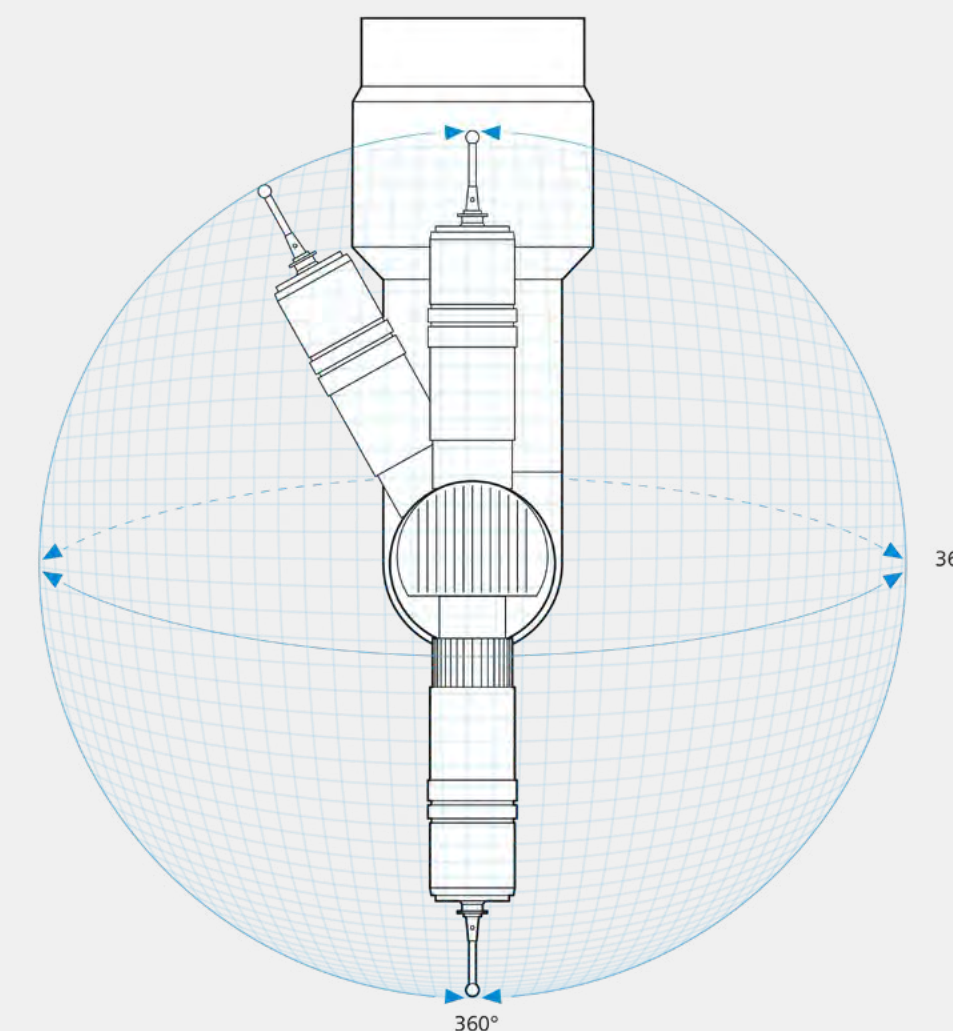
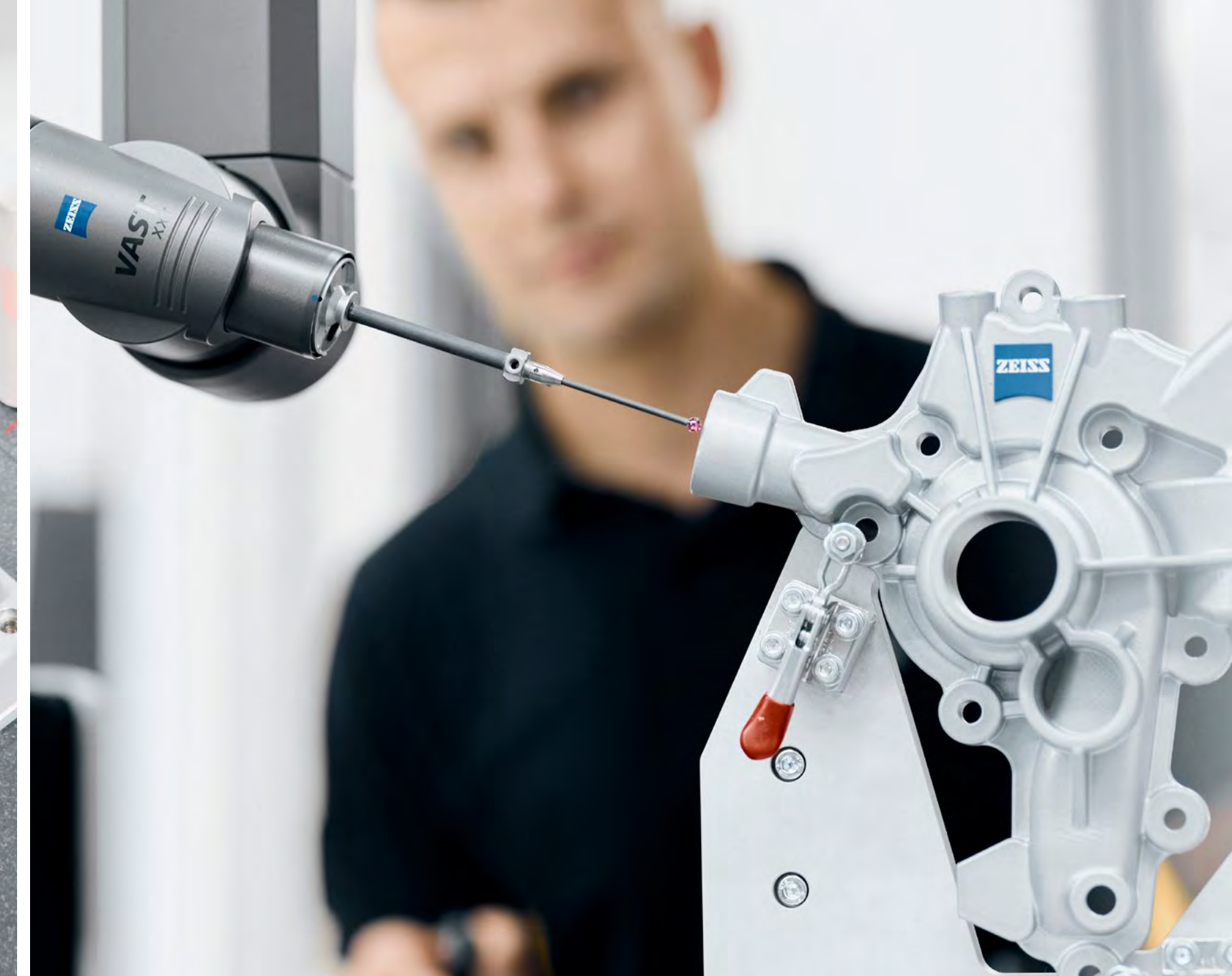
Key Characteristics

2 Get the best value in this class

Highest quality from leading technology with a MPEEO of 1.7+L/300 μm for 7/7/6

3 Get faster

More possibilities - fastest qualification ZEISS RDS-CR1 including CAA allows a qualified system of all 20,736 possible angles in approx. 12 minutes.



2.5 degree

20,736 possible angles

ZEISS SPECTRUM plus is also available with ZEISS RDS C CAA including VAST XXT.

ZEISS SPECTRUM

Sensors and Sizes



For higher data quality

ZEISS SPECTRUM with ZEISS direct VAST XXT

Scanning Technology

Sizes

7/7/6

7/10/6

9/12/6

9/18/6



For complex parts

ZEISS SPECTRUM with ZEISS-RDS-C5 CAA including ZEISS VAST XXT

Scanning Technology with articulating probe and CAA (Computer Aided Accuracy) for faster operating time

Sizes

7/7/6

7/10/6

9/12/6

9/18/6



For parts with complex geometry & surface

ZEISS SPECTRUM with LineScan One

Optical Measurement of free-form surfaces

Sizes

7/7/6

7/10/6

9/12/6

9/18/6

For parts with complex geometry & surface



ZEISS SPECTRUM verity

Sensors and Sizes



For even more angular positions

ZEISS SPECTRUM verity with ZEISS RDS-C1-CAA including ZEISS VAST XXT

Scanning Technology with articulating probe and CAA (Computer Aided Accuracy) for faster operating time

Sizes

7/7/6

7/10/6

9/12/6

9/18/6



For parts with complex geometry & surface

ZEISS SPECTRUM with LineScan One

Optical Measurement of free-form surfaces

Sizes

7/7/6

7/10/6

9/12/6

9/18/6

For parts with complex geometry & surface



ZEISS SPECTRUM sensor package

Tailored to your applications



ZEISS SPECTRUM and ZEISS SPECTRUM verity

4 sizes available for

- 7/7/6, 7/10/6
- 9/12/6, 9/18/6

Direct Version



VAST XXT TL3 direct

SPECTRUM family

RDS Version



RDS-CR5-CAA: ZEISS SPECTRUM
RDS-CR1-CAA: ZEISS SPECTRUM verity



**VAST XXT TL3
Compact design**
Better accessibility



VAST XXT TL1



VAST XXT TL3



LineScan One

Tactile passive scanning

Optical scanning

ZEISS Industrial Quality Solutions

ZEISS Industrial Quality Solutions is a leading manufacturer of multidimensional metrology solutions. These include coordinate measuring machines, optical and multi-sensor systems, microscopy systems for industrial quality assurance as well as metrology software for the automotive, aircraft, mechanical engineering, plastics and medical technology industries.

Innovative technologies such as 3D X-ray metrology for quality assurance complete the portfolio.

In addition, ZEISS Industrial Quality Solutions offers a broad global spectrum of customer services with ZEISS Quality Excellence Centers close to its customers.



Your holistic technology partner

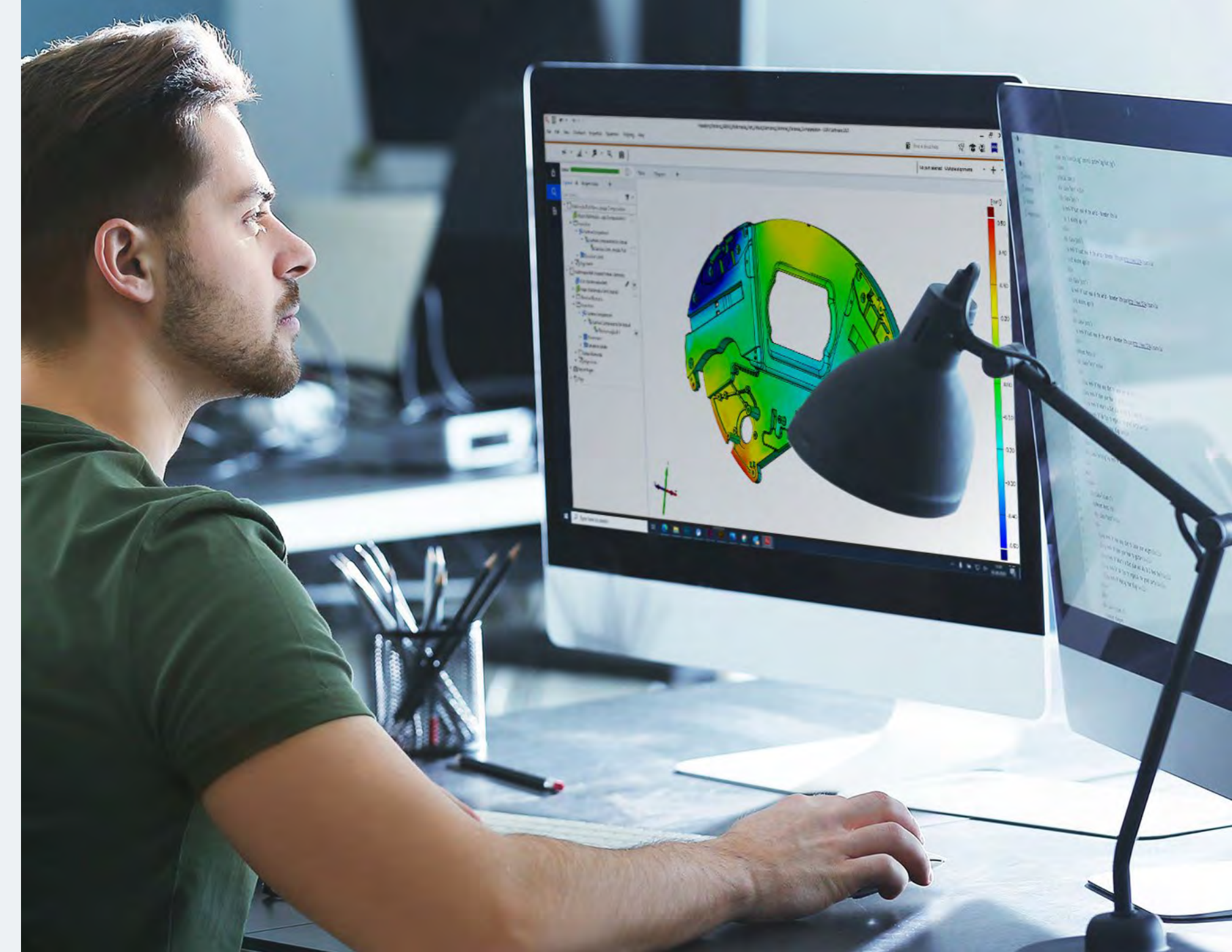
Numerous services and training courses support you in your daily work with 3D measuring technology. Training courses and webinars help you to extend your knowledge about using the software and get to know more application fields for the measuring systems.

The ZEISS Quality Suite supports you with instructions, tutorials and frequently asked questions and answers. Moreover, the user forum offers a platform for mutual exchange and support.

At conferences and application-based workshops, webinars and digital demos, ZEISS directly shares process and measurement technology know-how. In addition, contractual support and services for all measuring solutions are available.

Training

ZEISS training centers offer training and eLearning courses for all levels of expertise. The training courses follow an internationally standardized concept and are implemented by our certified partners in the corresponding national language. In addition to online training courses and scheduled courses in our training centers, customer-specific on-site training courses are also available on request.



Support und Service

ZEISS provides support and services to assist you quickly and reliably if required. These are based on the following three pillars: Remote Assistance, Services and ZEISS Metrology Care.



Did ZEISS SPECTRUM family get your attention?

Contact us for a free demonstration –
on site or online.

ZEISS Industrial Quality Solutions

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