

# The place to solve your metrology challenges



**ZEISS Quality Excellence Center**



[www.zeiss.com/metrology-services](http://www.zeiss.com/metrology-services)

Seeing beyond

# Reliable solutions from trusted experts on-site

Are you facing tough and complex measurement tasks, working on new product series, do not have enough employees, or would you like to receive advice how to optimize your process and increase productivity?

Contact our experts in over 60 ZEISS Quality Excellence Centers worldwide and receive the right support that you need: from training, 3D CT scans, contract metrology, offline programming to measurement services and beyond. You can rely on fast metrology service and expert advice from your quality assurance partner.

- ✓ **Measurement services from initial sampling to large scale measurements**
- ✓ **Extensive and connected technology portfolio**
- ✓ **State-of-the-art measuring equipment**
- ✓ **Reliable partner with over a decade of experience**





# Quick and reliable

## Measurement services redefined

As manufacturer and measurement service provider, we offer our customers not only the latest know-how but also fast and reliable solutions in quality assurance. We redefine measurement service and take it to the next level. We are available to you at any time in one of our ZEISS Quality Excellence Center near you.

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### A comprehensive solution portfolio for various industries

Thanks to our broad technology portfolio, we can serve all types of industries in our ZEISS Quality Excellence Centers and offer services for diverse component sizes. You can count on our support from single measurements to large scale measurements.



Additive Manufacturing



Automotive



Manufacturing and Machining



Electronics



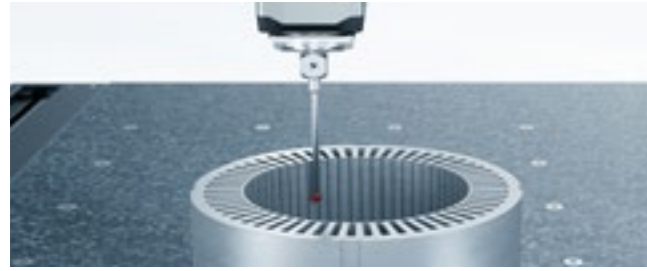
Aerospace



Medical

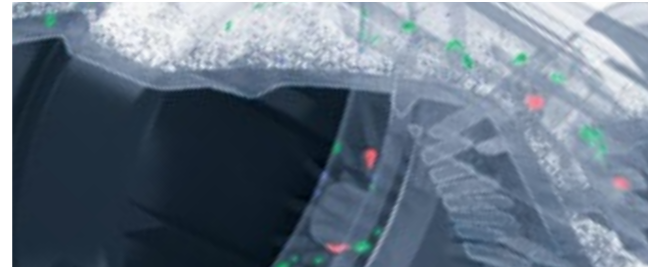
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## Measurement technology services at our Quality Excellence Centers



### Tactile measurement services

Capture almost all part geometries and check a wide variety of parts. Rely on high-precision measurement results and data from ZEISS in measuring rooms accredited to DIN EN ISO/IEC 17025.



### CT measurement services

Industrial computed tomography allows the measurement of internal structures and features that are hard to reach. This allows components to be reproduced without a CAD model. We support you with 2D and 3D scanning technology.



### Gear measurement services

We can measure all common gear types up to an outer diameter of three meters and evaluate them in accordance with the current standards. Gear measurements are carried out either with or without a rotary table, but also horizontally with a fan probe system.



### Industrial analyses with microscopes

We are happy to support you in topics such as metallography, defect and particle analysis, and powder analysis for additive manufacturing and 3D printing. We use high-quality light and electron microscopes for the analysis.



### Optical and multi-sensory measurement services

Workpieces are digitized without contact and displayed in 3D. ZEISS systems visualize deviations and our experts help you to interpret measurement results correctly. Many measuring points allow statements to be made about shape and position.



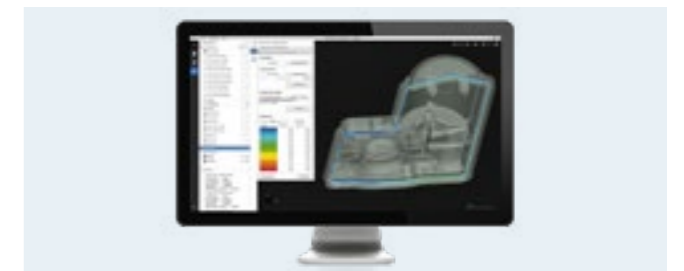
### Shape, contour and surface measurements

Form testers, contour measuring devices and roughness sensors provide measurement data for maximum process reliability. The partnership with the measurement instruments manufacturer ACCRETECH ensures worldwide high-quality service in terms of surface measurements.



### Initial sample test report for your components

ZEISS carries out the complete initial sampling with test report of your parts according to the highest standards such as ISO/TS 16949 or PPAP. In this way, you can be sure to have the necessary quality even before the start of series production.



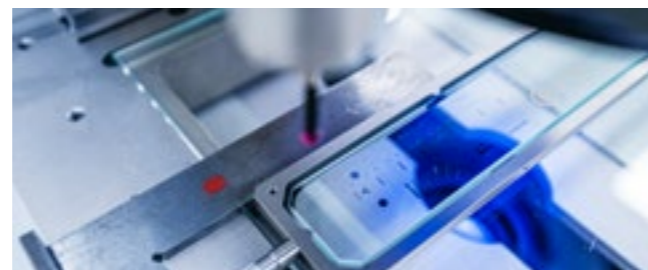
### Reverse engineering services

With reverse engineering, we return the finished component to the CAD model. With this service, you are optimally equipped for rapid manufacturing and gain knowledge for the further development of your products.



### Offline programming

Our offer: Optimization of your measuring programs for more efficiency as well as advice on workpiece mounting and alignment of probe systems. We create CNC measuring programs for your coordinate measuring machine and help you with ZEISS software programming.



### Calibration of reference standards and step gauge blocks

The calibration laboratory, accredited according to DIN EN ISO/IEC 17025, ensures precise measurement results for industrial production. Option: We can install the virtual CMM for recording measurement uncertainties directly at your premise.



### Large-scale measurements

In addition to individual measurements, we also carry out series measurements with tactile, optical, multi-sensor devices or industrial computed tomography. We can also measure larger quantities with high accuracy, optionally at one of our other locations, in a short time.



### On-site application support & training

We offer assistance for any kind of capacity bottleneck. We offer on-site support and send our experts to your premise. Or you can bring your workpieces or technical drawings to our Center and we advise you individually.



# Always up-to-date with state-of-the-art metrology trainings

Would you like to learn the basics of metrology, refresh your knowledge or be confident in operating ZEISS software and ZEISS technologies? Keep your knowledge and the knowledge of your employees up to date – with AUKOM, form and position, GPS, technology and software trainings from ZEISS.

## Three reasons to book trainings at ZEISS

<b>Drive productivity</b>	<b>Gain competitive advantage</b>	<b>Establish global standards</b>
		
<p>In-depth process optimization expertise and shared knowledge will make your processes more stable and will make your QM lab perform faster. Ensure that your team can yield precise measurement results conforming to the latest standards and avoid user errors.</p>	<p>Our experts provide customized training courses for leading edge companies with ambitious metrology demands – sharing the most advanced technological insights in the industry. Your systems, equipment and software is always changing and should grow with your company. Continuous training from the ZEISS Academy will keep your metrology lab up-to-date and competitive.</p>	<p>The ZEISS Academy holds 62 training locations in 25 countries with 165 certified trainers ready to coach you. Ensure shared, standardized knowledge for all your company sites. If this is not close enough: Take advantage of on-site support directly at your location.</p>

# Hightech first-hand

## Experience our technology portfolio

We not only perform metrology services for you, but you can also experience our measuring devices and technologies in action at one of our ZEISS Quality Excellence Centers. Get to know our products up close and learn everything you need to know about the technologies. Make an appointment for a demo right away. You can bring your workpieces with you.



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### Hands-on expertise

#### Events and trainings

Find below an overview of the upcoming events and trainings in our ZEISS Quality Excellence Centers

[portal.zeiss.com](https://portal.zeiss.com)

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# The right choice

## Services from ZEISS

Our ZEISS Quality Excellence Centers are equipped with the right technology to meet your metrology challenges: Whether tactile or optical measurements, 3D CT scanning, shape, surface or contour measurements and beyond.

You can rely on more than 350 highly qualified experts, over 500 measuring devices and more than one hundred years of knowledge in the field of industrial metrology.

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### Extensive and connected technology portfolio

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- Connected hardware, software and digital quality solutions that increase your productivity
- Technology and process knowledge is reflected in our service
- Largest technology and service portfolio on the market

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### State-of-the-art technology

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- Partnerships with universities, the VDA & business partners ensure up-to-date technology know-how and expertise
- Strong global network with continuous flow of knowledge
- High-end class 1 measurement laboratories according to VDI/VDE 2627

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### Fast and flexible

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- Receive a quote within 24 hours
- We find the suitable solution for your requirements
- Measurement expertise for components with wide variety of size, material, composition and shape

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### Reliable

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- 100 years of proven success in the industry
- Unique technologies worldwide
- High quality standards
- Reliable and precise metrology results



# Expertise and experience close by ZEISS Services and Support worldwide

**60x**  
worldwide

**7x**  
in the USA



In 60 locations worldwide, we support you with calibration and measurement services, training, offline programming, initial sampling test reports and much more. Feel free to send or bring your components or technical drawings to us. Find your nearest ZEISS Quality Excellence Center and contact us now.

## This is how you find us ZEISS Center Finder App

Would you like to view all important metrology services and contact details at a glance and be navigated to your nearest ZEISS Quality Excellence Center? Simply download our ZEISS Center Finder app from the App Store or log into the ZEISS Metrology Portal to access the ZEISS Center Finder.

[Download app now](#)

[ZEISS Metrology Portal](#)





## Audi Sport ABT Schaeffler Race of the future

Audi Sport ABT Schaeffler is again one of the title favorites in the ABB FIA Formula E Championship, now in its sixth season, perhaps in part thanks to the technology partnership with ZEISS. The first purely electric racing series in the world places completely new demands on measurement technology.

Read the full success story here:  
[zeiss.com/metrology/audi](https://zeiss.com/metrology/audi)



» *The ZEISS team is quite like our team. Each individual brings a great deal of passion, stamina and team spirit to the race. «*

**Xaver Kraus** Quality Manager at Audi Motorsport



» *Whenever I need assistance (...) I contact the measuring experts from ZEISS who share their expertise with me. «*

**Jörg Waltherr** Measurement technician at dormakaba

## dormakaba

The challenge:  
maximum fitting accuracy

Millions of opening and closing systems from dormakaba are used in airports, convention centers, hotels, sporting venues and hospitals throughout the world. "Our company's success is the result of outstanding engineering and excellent quality," explains Jörg Waltherr, a measuring technician at dormakaba.

Read the full success story here:  
[zeiss.com/dormakaba](https://zeiss.com/dormakaba)



Read the full success story here: [zeiss.com/zf](https://zeiss.com/zf)

## ZF Friedrichshafen AG

### We Must Never Stand Still

Small Series and Prototype Production at ZF Friedrichshafen AG creates new challenges for quality control time and again: measurement programs for new components need to be created every day. ZF metrologist Mehmet Akol accepts these challenges with unrelenting curiosity and uses ZEISS training courses to help him.

» *We must never stand still. The demands made on our industry are changing far too quickly.* «  
**Uwe Ersing** Head of Quality Control

## Festo SE & Co. KG

### Uniform knowledge ensures quality worldwide

Festo relies globally on training from and with ZEISS in measuring and testing technology. In Esslingen, Baden-Württemberg, Festo SE & Co. KG develops automation technology that is in demand worldwide. However, Festo's technology is not the only technology used by manufacturing companies around the globe. Festo therefore knows how best to communicate skills and sets high standards in the development and further training of its own employees. Festo and ZEISS have been jointly developing global training standards for uniform measurement technology know-how for more than three decades. These are incorporated into the training portfolio of the ZEISS Academy.

» *I am not only proud that we work with the best systems in quality assurance, but also that we can benefit from a high and uniform training standard.* « **András Kunt** Head of Quality & EHS+Facility



Read the full success story here: [zeiss.com/metrology/festo](https://zeiss.com/metrology/festo)

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