



# Quality Assurance at all Altitudes

ZEISS Aerospace Solutions



Seeing beyond

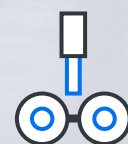


# Flawless quality at maximum productivity

From fuel consumption, noise, and weight to Industry 4.0, connected data, and the digital twin, ZEISS Aerospace Solutions has you covered. Whether in research and development departments, production manufacturing settings, or MRO facilities, our solutions deliver swift and precise information throughout the product life cycle. This ensures regulatory compliance and boosts your operational efficiency.



**Aerostructure**



**Aircraft systems**



**Aircraft engine**



**Auxiliary power  
unit (APU)**



**Interiors**



**Maintenance, repair,  
and overhaul (MRO)**



**Aerostructure**

**Aircraft systems**

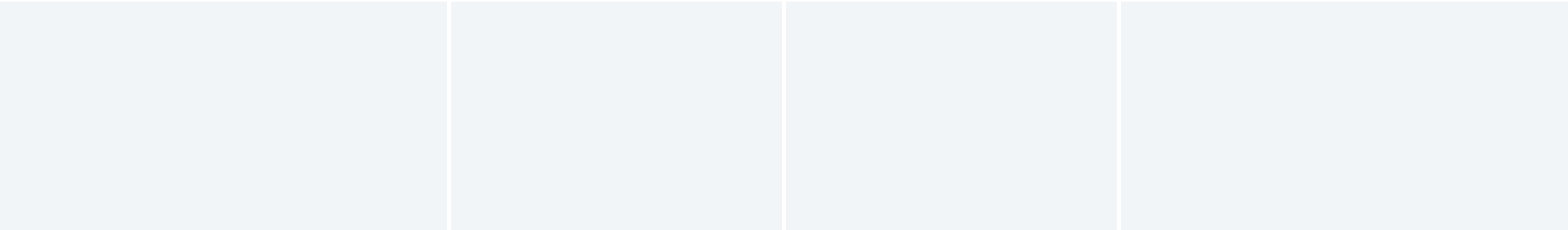
**Aircraft engine**

**Auxiliary power unit (APU)**

**Interiors**

**Maintenance, repair, and overhaul (MRO)**

# ZEISS Portfolio



## DATA MANAGEMENT

**ZEISS PiWeb** scalable reporting and quality management software combines metrology results from different measuring technologies for efficient tracking of production quality. Its powerful features and intuitive templates handle huge amounts of data and provide immediate results.

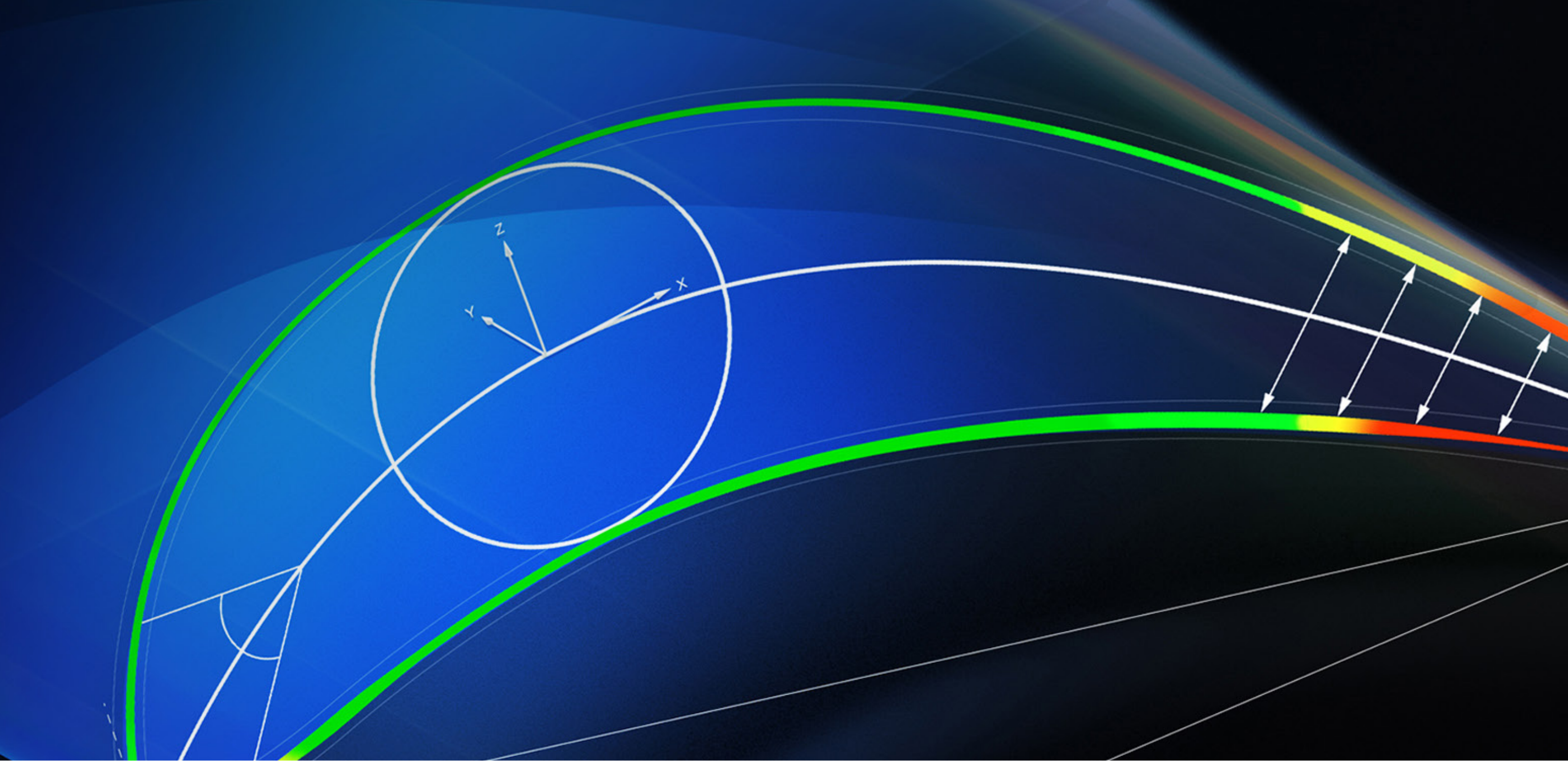
## METROLOGY HUB

**ZEISS CONNECTED QUALITY** seamlessly connects your measuring systems, operators and quality data worldwide. The new product family enables completely new dimensions of collaboration! Easily monitor your systems from anywhere, at any time – using a tool of your choice.

# ZEISS INSPECT Airfoil

The inspection app for airfoil geometries

At the cutting edge of inspection for turbine blades, airfoils, fans, and blisks, ZEISS INSPECT is powerful analysis and inspection software for both tactile and optical data. Whether in power supply, aircraft, shipbuilding, or electrical appliances, the software helps ensure everything runs smoothly regarding blade geometry, from design to quality control.



## Highlights of airfoil inspection

### 3D throat area

Determine the 3D minimum surface between two blades, which gives you the geometrically narrowest cross-section – no matter if it's a partial surface or a closed channel.

### Virtual balancing

Using the digital 3D model, you can establish the optimal order of blades before assembly to avoid imbalances.

### Measuring and analyzing blisks

Measure and inspect a single blade of a blisk. The software enables you to repeat the process for additional blades.

### Measuring and analyzing guide vanes

Easily inspect an entire guide vane consisting of a vane blade, a hub, and a shroud.

### Measuring and analyzing drums

Drums are made up of several blisks, and the software can inspect them in their entirety.



# ZEISS – Services and Support

As a comprehensive solutions provider, ZEISS remains at your side independent of the purchase of a measuring system. From measuring services and training to enhanced application support – only ZEISS Industrial Quality Solutions is able to offer you the right expertise at all stages of the product life cycle.

We offer customized service packages, tailored to the needs of our customers and serve them through a highly skilled, global network of technicians. Equipped with enhanced digital tools and technologies, we are able to help our customers maximize their machine uptime, increase equipment utilization efficiencies and thereby resulting in better customer satisfaction.





## ZEISS Industrial Quality Solutions Present in all regions

ZEISS Aerospace Solutions promptly generates precise information at all points throughout the product life cycle. For research and development departments, production or manufacturing environments, and maintenance, repair, and overhaul (MRO) facilities, we provide innovative solutions for ensuring regulatory compliance and efficiency.



39

Sales & service  
organizations

64

ZEISS Quality  
Excellence Centers

245

Sales partners  
worldwide

12

Production sites

5,414

Employees



# Are you eager to explore our broad range of aerospace solutions?

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

**Carl Zeiss IQS Deutschland GmbH**

Carl-Zeiss-Straße 22  
73447 Oberkochen  
Germany

Phone: +49 7364 20-6337  
[info.metrology.de@zeiss.com](mailto:info.metrology.de@zeiss.com)  
[www.zeiss.com/metrology](http://www.zeiss.com/metrology)