

Why is ISO 10360 Certification Important in Quality Measurement?

This special designation communicates a high level of achievement when attached to a product or service. But what does ISO certification mean for quality measurement, and why is it so important?

As most manufacturers know, ISO – the International Organization for Standardization – develops and publishes international standards that help ensure safety, efficiency and quality by providing specifications for a variety of products, services and systems.

These standards safeguard end-users of products and services, confirming that products conform to minimum standards set internationally.

CMM ISO Certification

ISO 10360 is the standard for the accuracy testing and performance verification of coordinate measuring machines (CMMs).

Not all CMM manufacturers conform to ISO 10360. Some manufacturers may use other performance standards, such as CMMA, VDI/VDE2617, ASME B89 and JIS, which are less demanding for compliance.

When manufacturers meet ISO certification standards, customers can directly compare the technical aspects of each CMM.



ZEISS O-SELECT ISO Certification

ZEISS O-SELECT has passed the rigorous ISO requirements for CMMs equipped with imaging systems and holds ISO 10360-7 certification.

As a digital optical comparator, O-SELECT makes 2-D measurements easy and reliable. With the push of button, complex measurements are completed quickly,

traceably and reproducibly for a variety of industries, including the automotive, electronics and plastics industries.

Your customers' quality reports are the documentation they need to validate and trace the product. And as a trusted supplier, you need systems in place that are authenticated and trustworthy to serve your customer with professional reporting.

Certified by ISO, O-SELECT's maximum permissible error is $4.5 + L/100 \mu\text{m}$, and its repeatability is $0.9 \mu\text{m}$. Through rigorous international testing and verification, those are compliant calibrations that you can trust.

Traceable Standards

As a supplier, you need to show that your products meet standards and that results are reliable, and traceable. ZEISS Industrial Metrology solutions provide an ISO-compliant validation methodology and documentation to prove the quality of your products. ZEISS supplies all three to satisfy the requirements of your customers.

1. Equipment: All ZEISS artifacts used to calibrate and qualify O-SELECT measuring machines utilize DKD-certified scales.
2. Analysis: ISO 10360-7 is the methodology used to calibrate and qualify every O-SELECT machine.
3. Documentation: ZEISS provides records of each calibration so you can prove when and how the calibrations and qualifications were completed.

As an independent, non-governmental organization based in Geneva, Switzerland, ISO has:



- A membership of 163 national standards bodies and 3,368 technical bodies
- More than 21,000 international standards for all aspects of technology and manufacturing
- More than 1.5 million certifications issued worldwide in 2015, up 3% from 2014

For more information:

+1 800 327-9735
metrology@zeiss.com
www.zeiss.com/metrology

