

INNOVATIONS IN METROLOGY

WENZEL XOrbit Series

Our solutions for your measuring tasks



WENZEL XOrbit Series

YOUR ENTRY INTO COORDINATE METROLOGY

The WENZEL XOrbit is the ideal coordinate measuring machine for when the essential elements of measurement are important and when speed and ease of operation are required. The XOrbit coordinate measuring machine offers an excellent price-performance ratio and can be equipped with multiple changeable measuring sensors. Its flexibility and suitability for a wide range of applications

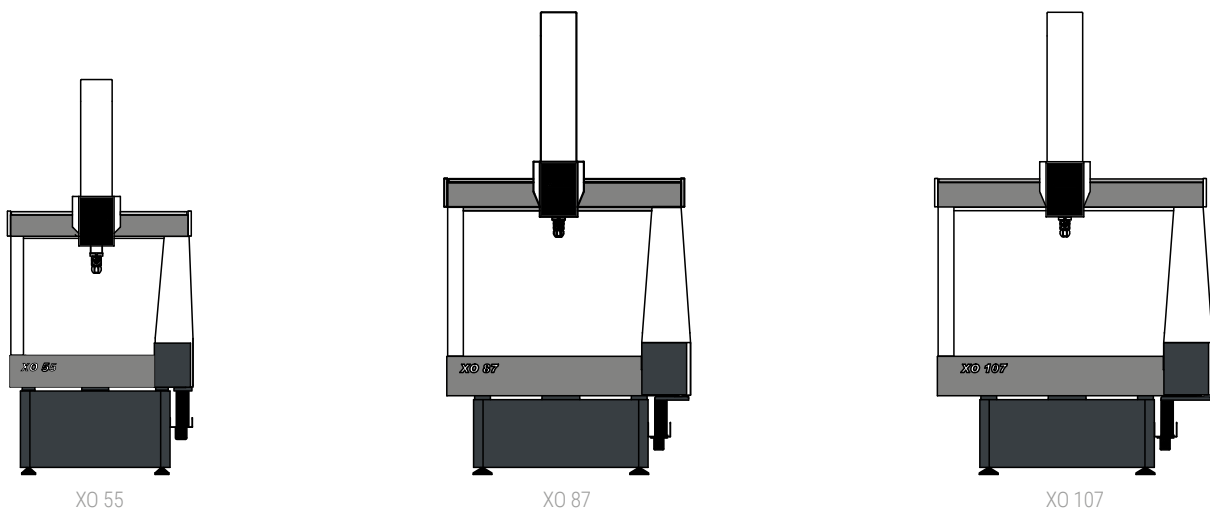
make the XOrbit an effective all-rounder. The consistent approach and intelligent machine concept makes it an economical entry into coordinate measuring technology. Simple measurement - simply good. CMMs of the XOrbit series are available in the accuracy classes Standard and Premium.

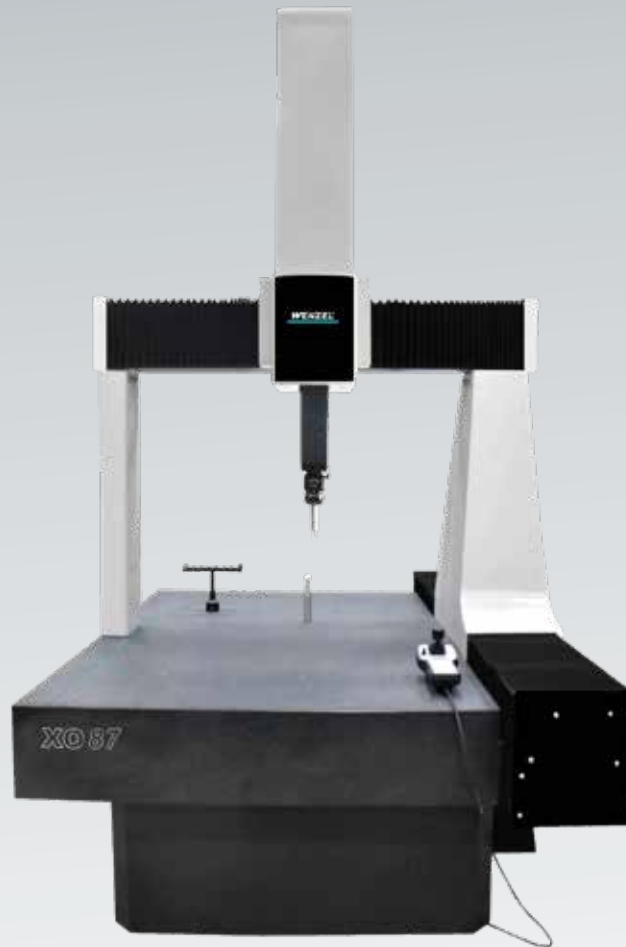
FEATURES

- **Economical to use** due to a favorable price-performance ratio
- Emphasis on **unlimited functionality** from WENZEL's decades of experience
- **Use of granite** in all axes ensures identical thermal behavior
- **Excellent long-term stability** due to air bearing guides incorporated into the granite base plate and high-precision lapped guide surfaces
- **Good accessibility** facilitates maintenance work

FIELDS OF APPLICATION

The XOrbit is the all-rounder for every field of application when it comes to measuring standard geometries and free-form surfaces. The XOrbit fulfills all important roles from use in incoming goods through to final inspection. For single or serial parts - the XOrbit is universally applicable.





MEASURING ACCURACY

Typ	Measuring ranges X x Y x Z (mm)	Volumetric length measuring uncertainty $E_{L, MPE}$ (µm) Premium
XO 55	500 x 500/700/1000 x 500	1,5 + L / 350
XO 87	800 x 1000/1500 x 700	1,6 + L / 350
XO 107	1000 x 1500/2000 x 700	1,8 + L / 350

Value $E_{L, MPE}$ only valid for SP80/SP25M touch probes.

Other Y-lengths on request. Subject to changes in design and scope of delivery as well as further technical development.

YOUR ADVANTAGES AT A GLANCE

- Cost-effective introduction to coordinate measuring technology**

Excellent price-performance ratio | WENZEL High quality

- High mechanical precision**

Granite base | Hand-lapped base plate (DIN 876/0) |
Air bearing guide elements in all axes

- Low operating costs**

Low air consumption | RENISHAW sensors |
Reliable and inexpensive spare parts

- High flexibility**

Bellows covers for protection against contamination |
Data compatibility with other WENZEL systems |
Automation solutions

- Versatile sensor options**

Changeable sensor systems | 3-axis scanning |
Optical sensors

INNOVATION MEETS TRADITION

The WENZEL Group is a market leader in innovative Metrology. WENZEL offers a comprehensive product portfolio in the fields of Coordinate Metrology, Computed Tomography and Optical High Speed Scanning. The technology of WENZEL is used in all industries, including the automotive sector, aeronautics, power generation and

medicine. WENZEL looks at today on an installed base of more than 10,000 machines worldwide. Subsidiaries and agencies in more than 50 countries support sales and provide after-sales service for our customers. The WENZEL Group today employs more than 600 people.



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