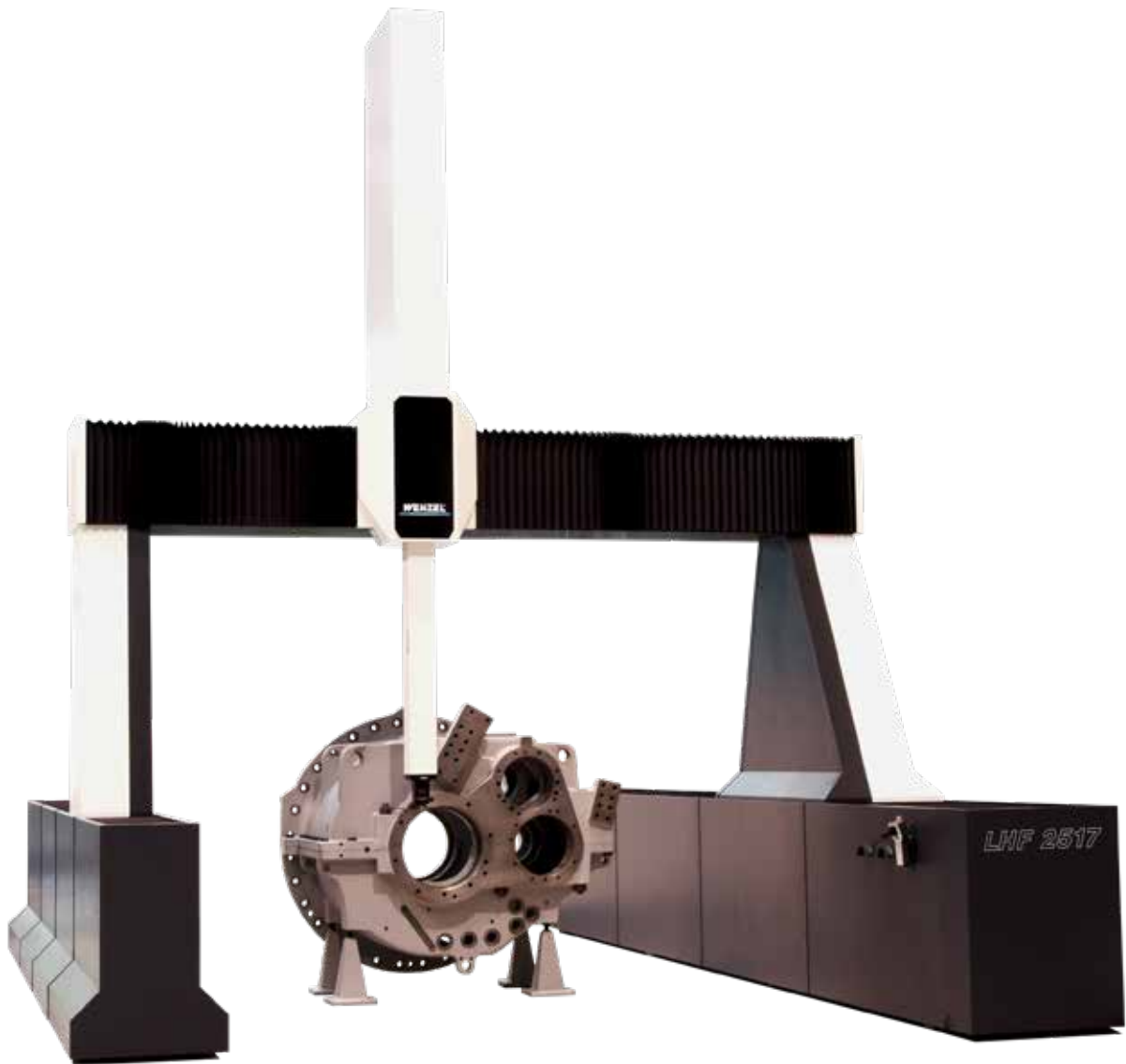


WENZEL LHF SERIES

FIRST-CLASS LARGE COORDINATE MEASURING MACHINES



LARGE MEASURING RANGE
AND EXCELLENT ACCESSIBILITY

WENZEL LHF SERIES

LARGE MEASURING RANGE AND EXCELLENT ACCESSIBILITY

Wide measuring range and excellent accessibility. The LHF is a CNC coordinate measuring machine with air bearings on guide beams, which has been designed for high-precision measurement of large-volume and complex workpieces. Its ground-level design allows excellent access to a large measuring range with maximum freedom of movement. The measuring range in the Y-axis is available in the standard version up to a length of

12 meters. A double drive in the Y-axis of the LHF makes it unbeatable in terms of dynamics. The thermal influences of the environment on the machine and workpiece can optionally be corrected by means of automatic temperature compensation. LHF series measuring machines are available in the accuracy classes Standard, Premium and Premium Select.

FIELDS OF APPLICATION

The WENZEL LHF is designed for high-precision measurement of large-volume and complex workpieces. It is used by innovative medium-sized companies as well as world-famous large corporations - or simply everywhere where high measuring requirements define the requirement.





FEATURES

- **Long term, mechanical accuracy**
Temperature stable structure | Hand finished | Air bearing guide elements in all axes
- **Various sensor options**
Touch trigger probes | 3- or 5-axis scanning | Optical sensors
- **Ergonomic design**
Easy to use | Easy to service | Easy to load
- **Low cost of ownership**
Low air consumption | Reliable and cheap replacement parts | Less effort in recalibration
- **High flexibility**
Special measuring sizes on request | Data compatibility with other WENZEL systems | Loading systems | Automation solutions

MEASURING ACCURACY

Type	Measuring ranges X x Y x Z (mm)	Volumetric length measuring uncertainty $E_{L, MPE}$ (μm) Premium Select
LHF 2517	2500 x 4000/5000/6000 x 1700	3,5 + L / 450
LHF 3020	3000 x 4000/5000/6000 x 2000	4,6 + L / 450
LHF 3025	3000 x 5000/6000 x 2500	5,6 + L / 450
LHF 4025	4000 x 5000/6000 x 2500	6,6 + L / 450
LHF 4027	4000 x 5000/6000 x 2700	7,1 + L / 450
LHF 5025	5000 x 5000/6000 x 2500	7,6 + L / 450

Value $E_{L, MPE}$ is only valid with the respective touch probe. Further information can be found in the technical data sheets.
Other Y-lengths on request. Subject to changes in design and scope of delivery as well as further technical development.

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, aerospace, power generation, and

medical devices. Over the years WENZEL has installed 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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