

## Innovation for Success

The WENZEL Group is a leader in Innovative Metrology. The comprehensive product portfolio from WENZEL includes unique solutions in 3D Metrology, Gear Metrology, Computed Tomography, Optical High Speed Scanning and Styling. WENZEL technology solutions are installed throughout many industries such as Automotive, Aerospace, Power Generation and Medical.

WENZEL has an installed base of more than 10,000 machines worldwide. Subsidiaries and agents in more than 50 countries take care of sales and provide after sales service support to our customers. Today the WENZEL Group employs 650 people worldwide.

SHAPETRACER II GB.01.20AF03 | © WENZEL Präzision GmbH  
Subject to technical modification and to changes in scope and design.

## Optical 3D Line Scanner WENZEL SHAPETRACER II



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HIGHEST FLEXIBILITY AND IMPRESSIVE PERFORMANCE

THE NEW WENZEL SHAPETRACER II

The WENZEL SHAPETRACER II is a highly flexible 3D line scanner for capturing and processing of point clouds on a multisensor coordinate measuring machine. The optical sensor is integrated in the WENZEL PointMaster software package and provides high-quality, accurate and repeatable results.

Performance:

The WENZEL SHAPETRACER II sets benchmarks in the field of digitization. Compared to the previous model a performance increase of over 400% has been achieved by increasing the measurement range and measurement speed.

Areas of Application:

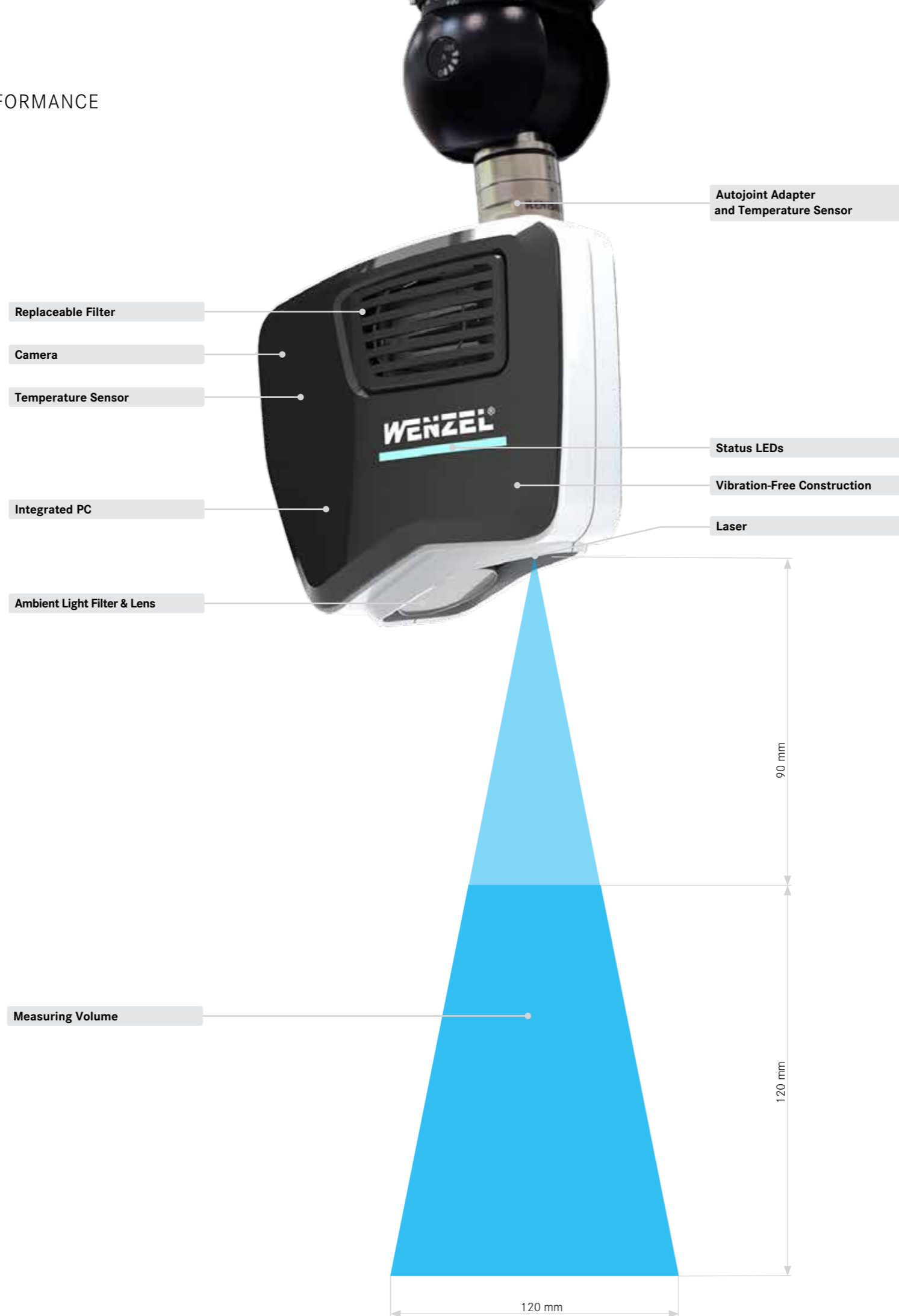
The WENZEL SHAPETRACER II 3D Line Scanner changes your coordinate measuring machine into the ideal tool to record and handle point clouds. Perfect for tool and die making, design model construction and anyone who needs to record and work on surfaces and outlines of physical objects.

Flexibility:

A blue laser line and a better resolution allow a higher tolerance to critical surface structures. With its objective ambient light filter the WENZEL SHAPETRACER II works independently of extraneous light and with various workpiece colors always both flexible and reliable. Firmware updates can be installed without complication via the multiwire interface of the autojoint adapter.

Multisensor Operation:

Installation is very easy, because calibration of the 3D line scanner is stored on a smart camera system. An automatic and fully integrated multisensor interface enables the connection to the CMM. The combination of optical scanning and tactile measurement guarantees effective working for every application.

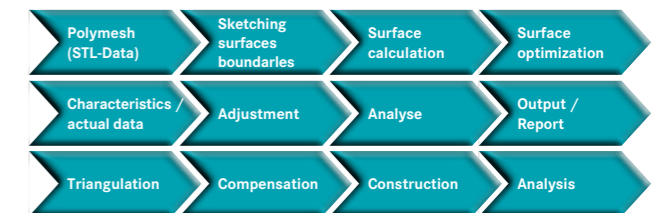


Digitizing and Measurement Applications:

- Styling and Design Studios
- Tool and Mold Making
- Prototyping
- Automotive
- Reverse Engineering
- Automation Technology
- Verification and Analysis
- Nominal-Actual Deviation Mapping

WENZEL PointMaster Software Package:

The WENZEL SHAPETRACER II is driven by the PointMaster software package. WENZEL PointMaster has a modular structure and includes functional modules for reverse engineering, measurement and evaluation and iterative tool compensation.



Technical Data:

Stand of distance [mm]	ca. 90
Working range [mm]	ca. 120
Max stripe length [mm]	ca. 120
Minimal point distance [µm]	29
Maximum point rate	150.000
Weight [g]	415
Length [mm]	120
Width [mm]	112
Height [mm]	65
Ambient light filter	Yes

Connection to the CMM:

- Renishaw Autojoint Adapter
- Automatic, fully integrated multi-sensor interface