

OPTICAL 3D LINE SCANNER

WM | SHAPETRACER II

Precision that pays off



HIGHEST FLEXIBILITY
& CONVINCING PERFORMANCE

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The WM | SHAPETRACER II is a highly flexible 3D line scanner for the acquisition and processing of point clouds on a multisensor coordinate measuring machine. The optical sensor is integrated into the software of

Wenzel integrates with both WM|PointMaster and WM|Quartis and thus delivers high-quality, precise and repeatable results. With the

WM | SHAPETRACER II sets WENZEL standards in the field of digitization. In comparison to the predecessor model, an increase in the measuring range and the measuring speed has resulted in an increase in performance of over 400 %. By using a blue laser line and a better resolution, a higher tolerance towards critical surface structures

was achieved. The WM | SHAPETRACER II works with the lens and ambient light filter independently of ambient light and offers a high degree of flexibility with regard to a wide range of workpiece colors. Firmware updates can be easily controlled via the multiwire interface of the Autojoint adapter. Since the calibration data of the 3D line scanner is stored on an intelligent camera system, the installation is very easy. The connection to the coordinate measuring machine

is carried out via an automatic, fully integrated Multi-sensor-Interface. The combination of optical and tactile measurement ensures effective work for every application.

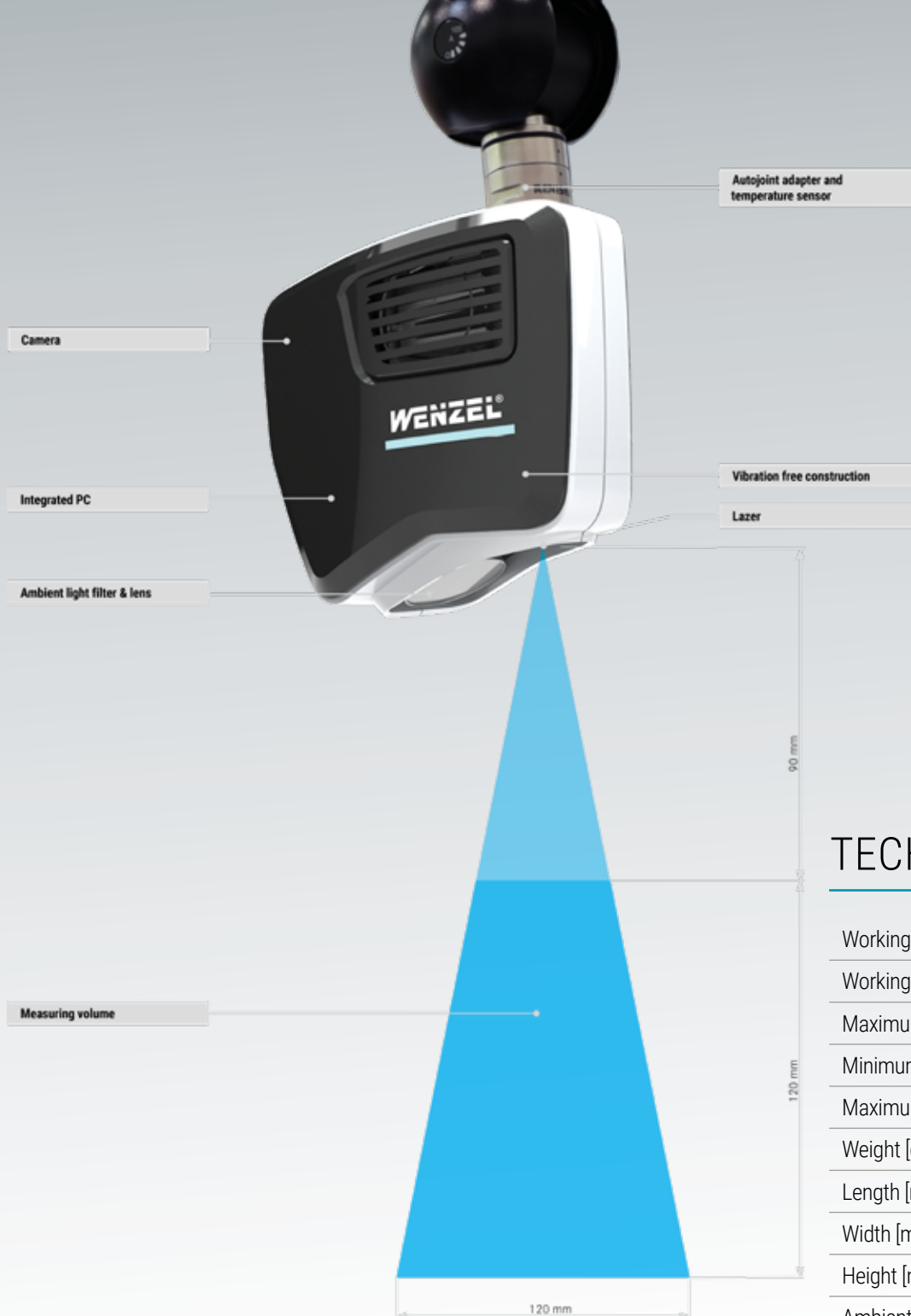
FEATURES

- **Automatically replaceable** with Autojoint adapter
- **Optimized line width**
- **Low unit weight**, enabling use on various turning and swivel heads, e.g. PH10, etc.
- **Fast reverse engineering** possible
- **Fast detection** of surfaces
- **Can be used for various materials**, e.g. aluminium, sheet metal, plastics and other...
- **Different surfaces and colors** can be measured
- **Virtually independent of ambient light** due to ambient light filter

APPLICATION AREAS

The 3D line scanner WM | SHAPETRACER II turns your coordinate measuring machine into the ideal tool for recording and editing point clouds. WM | SHAPETRACER II can be used in the following industrial and application areas, among others:

- Styling- and designstudios
- Tool and mould making
- Prototype construction
- Automotive industry
- Reverse Engineering
- Automation technology
- Verification and evaluation
- Nominal – actual color maps
- Digitization of design applications



TECHNICAL DATA

Working distance [mm]	approx. 80
Working range [mm]	approx. 120
Maximum line width [mm]	approx. 120
Minimum point distance [μm]	29
Maximum point rate [Pkt./s]	approx. 100
Weight [g]	495
Length [mm]	124
Width [mm]	124
Height [mm]	68
Ambient light filter	Yes

YOUR ADVANTAGES AT A GLANCE

■ High Productivity

Fast data transmission | Hardly any surface pretreatment necessary | Large measuring range

■ Low operating costs

Integrated in the WENZEL software family | Fast and reliable spare parts availability | Can be retrofitted to existing systems

■ High flexibility

Renishaw probe changer | Independent use of tactile and optical sensors | Independent use of tactile and optical sensors | Compatible with tactile sensors from Renishaw

■ Ergonomic design

Simple operation | Maintenance-friendly | Aesthetic design

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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We are there for you worldwide. You can find our subsidiaries, sales and service partners at **www.wenzel-group.com**.

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