

OPTICAL 3D LINE SCANNER

# WM | LS 50 & WM | LS 150

Precision meets versatility



HIGH FLEXIBILITY  
& CONVINCING PERFORMANCE

# WM | LS 50 & WM | LS 150

## HIGHEST FLEXIBILITY & IMPRESSIVE PERFORMANCE

The WM | LS 50 & WM | LS 150 from WENZEL are one of the newest members of WENZEL's optical sensor portfolio. This sensors extend the portfolio by two optical sensor with a line width of up to 150mm and can be used with an autojoint adapter on CMMs and the measuring arms WM | MMA & WM | MMA Premium . This provides the advantage that no additional control unit is required for the measuring arms, saving additional costs and

expenses. In addition, the sensor can be integrated into your existing system from WENZEL without much effort, because like all optical sensors from WENZEL it is already fully integrated into WENZEL's measuring software WM | Quartis . In combination with a tactile sensor and a CMM from WENZEL you get an unbeatable trio which convinces with high flexibility and performance - all of this at a excellent price/performance ratio.

## FEATURES

- **According to ISO 10360-8:2013**
- **Accuracy of 5µm or 14µm MPE** (P[Size.Sph.All:Tr:ODS])
- **Low own weight**, therefore also usable on various turning and swivel heads, e.g. PH10, etc.
- **Automatically exchangeable** with e.g. tactile probes
- **Autojoint adapter** - daptable to any CMM & WM | MMA measuring arms
- **WM | Quartis** kompatibel

## APPLICATIONS

The 3D line scanner WM | LS 50 & WM | LS150 make your coordinate measuring machine into the ideal tool for collecting and processing point clouds. The line scanners can be found in the following industrial and application areas, among others:

- Styling and design studios
- Tool and mould making
- Prototype construction
- Automotive Industry
- Reverse engineering
- Automation Technology
- Verification and evaluation
- Target/actual false colours
- Digitization of design applications



## TECHNICAL SPECIFICATIONS

	WM   LS 50	WM   LS 150
Working distance [mm]	90	85
Working range [mm]	40	110
Maximum line width [mm]	50	150
Line resolution [ $\mu\text{m}$ ]	15	50
Maximum point rate [points/s]	600.000	600.000
Temperature compensation	Yes	Yes

## YOUR ADVANTAGES AT A GLANCE

### ■ High Productivity

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

### ■ Low operating costs

Integrated in the WENZEL software family | Fast and reliable availability of spare parts | Easy retrofitting to existing systems

### ■ High flexibility

Renishaw probe changer | Independent use of tactiles and optical sensors | Compatible with Renishaw tactile probes in exchange

### ■ Ergonomic design

Simple operation | Easy to maintain | 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.



## YOUR LOCAL CONTACT PERSON

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