

WENZEL exaCT® L

THE COMPACT POWERSYSTEM



NON-DESTRUCTIVE
MEASURING & TESTING

WENZEL exaCT® L

NON-DESTRUCTIVE MEASURING & TESTING

The exaCT L offers a simplified, cost-effective and completely automated workflow for the entire CT analysis process. Due to its high X-ray performance in combination with a fast detector, the exaCT L enables the measurement and inspection of components in a short time. Due to the intuitive user guidance, exact measurement results can already be generated after a short training period. The exaCT L thinks ahead: Measuring parameters are automatically optimized by the system. In its performance class,

the exaCT L is one of the most compact computed tomographs on the market. It has three independent axes and offers an impressive X-ray performance. Hardware and software offer the possibility of automated integration into the production line and are the appropriate answer to questions regarding Industry 4.0 solutions.

WENZEL was awarded the Global New Product Innovation Award 2020 from Frost & Sullivan for the exaCT L.

APPLICATIONS

The exaCT L is widely applicable and is able to scan even large components with high densities due to its large measuring volume. It is best suited for measuring and testing parts made of plastic, light metal, composite materials or multi-materials. With its closed microfocus X-ray tube, the exaCT L 150 impresses above all with its very high detail resolution. The exaCT L 225 ensures minimum scan times with a closed variofocus X-ray tube with up to 225 kV and a power of up to 1600 W.



Remote control



Non-Destructive Testing (NDT)

Automotive interior equipment

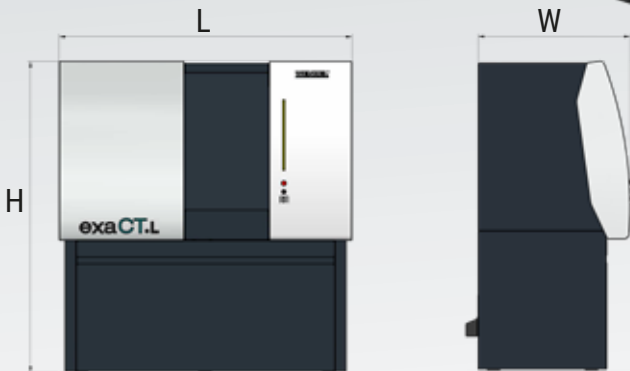


Assembly inspection

Titanium-ceramics implant



Defect analysis



MACHINE PROFILE

exaCT L 150

Space Requirements (L x W x H)	1810 x 905 x 1910 mm
X-Ray (Voltage, Power)	150 kV, 75 W
Detector Matrix, Pixel Size	3000 x 2500 Pixel, 100 µm
Max. Measuring range	Ø 235 / H 330 mm*
Device weight	2950 kg

exaCT L 225

Space Requirements (L x B x H)	1810 x 905 x 1910 mm
X-Ray (Voltage, Power)	225 kV, 1600 W
Detector Matrix, Pixel Size	3000 x 2500 Pixel, 100 µm
Max. Measuring range	Ø 235 / H 330 mm*
Device weight	2950 kg

FEATURES

- Best results through high performance**
 Fast scanning |
 Fast reconstruction |
 Fast evaluation
- High flexibility**
 Three independent axes | Software for all applications |
 Powerful radiation source for different material densities
- One scan, many evaluations, maximum time saving**
 Metrology with virtual CMM | NDT and failure analysis
- Low operating costs**
 Precision mechanics for higher availability | Longer calibration intervals |
 Low maintenance X-ray technology
- High efficiency due to small space requirements**
 Large measuring volume |
 Suitable for workshops |
 Automation solutions

* The measurable height depends on the component diameter.

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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