

WENZEL®

THE POWERFUL UNIVERSAL SYSTEM

WENZEL **exaCT® U**

Capture Your Part's DNA



NON-DESTRUCTIVE
MEASURING & TESTING

WENZEL exaCT® U

NON-DESTRUCTIVE MEASURING & TESTING

The exaCT U offers a simplified, cost-effective and fully automated workflow for the entire CT analysis process. Due to its high performance combined with a large measuring volume, the exaCT U enables the measurement and testing of large components with higher densities.

Due to intuitive user guidance, exact measurement results can be generated after a short training period. The exaCT U thinks along with you: Measurement parameters are automatically optimized by the system.

In its performance class, the exaCT U is one of the most compact computer tomographs on the market. It has five independent traversing axes and offers impressive resolution. Hardware and software offer the possibility of automated integration into the production line and deliver market-driven answers to questions about industry 4.0.

WENZEL was awarded the Customer Value Leadership Award 2017 from Frost & Sullivan for the exaCT U.

FEATURES

- P **Configurable system**, to address individual user requirements and automation
- P **High power** of 300 kV sets new standards for reconstruction speed
- P **Large measuring volume** of 700 mm in height and 330 mm in diameter
- P **High resolution** (4000 x 4000 pixels) for measuring components with tight tolerances and complex structures
- P **Five independent travel axes** for high speeds and short measuring and testing times

APPLICATIONS

The exaCT U is universally applicable and can also scan large components with higher densities due to its high measuring volume. It is ideally suited for measuring and testing parts made of plastic, light metal, composite materials or multi-materials.

Vehicle headlamps



Assembly inspection

Internal combustion engine

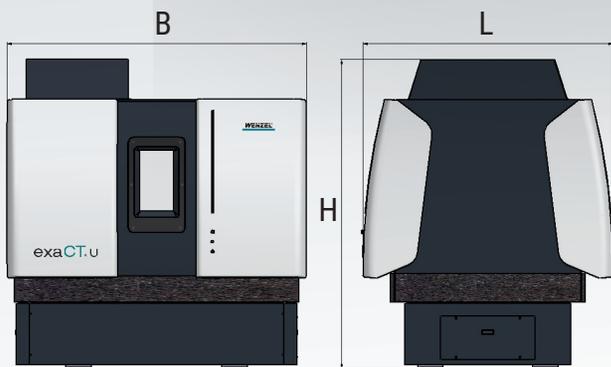
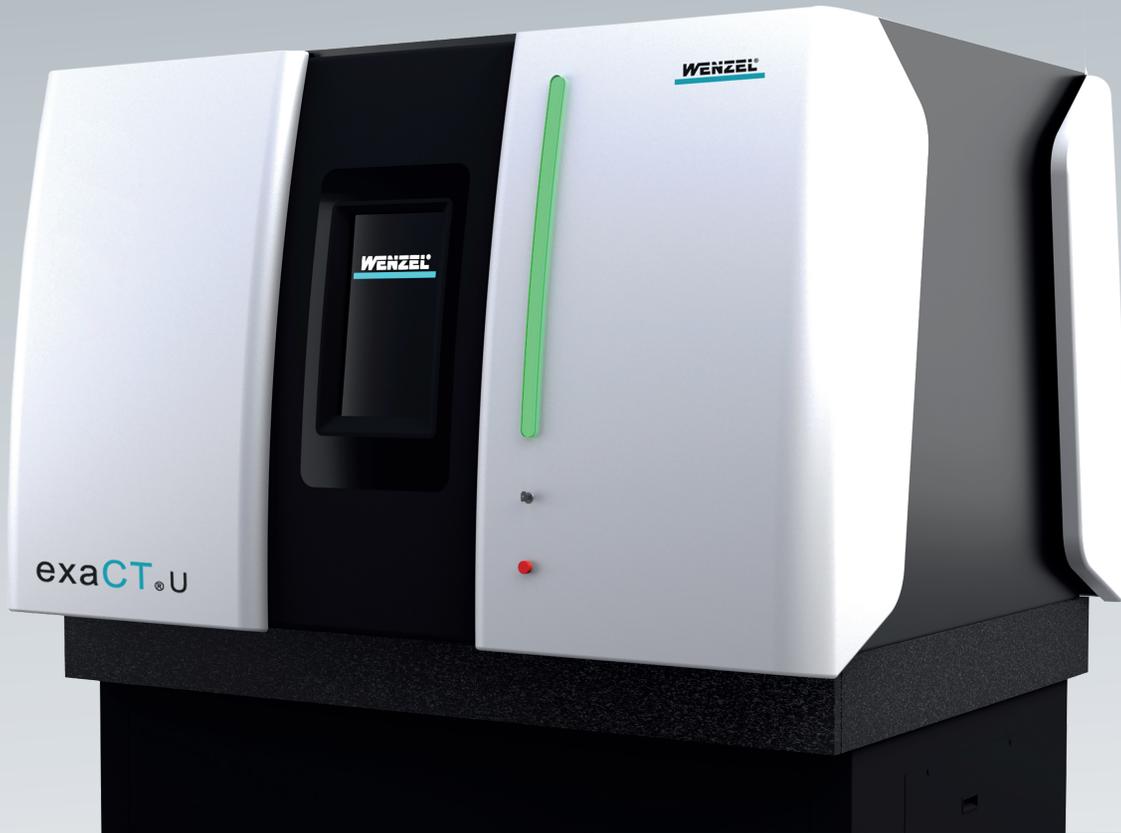


Defect analysis

Titanium plastic implant



Metrology



MACHINE PROFILE

Space Requirements (LxBxH)	1960 x 2350 x 2400 mm
X-Ray (Voltage, Power)	300 kV, 300 W
Detector Resolution	4000 x 4000 Pixel, 100 µm
Work Piece Dimensions	Ø 330 x 700 mm*

* Depending on the part diameter

YOUR BENEFITS AT A GLANCE

P Best results through high performance

Fast scanning | Fast reconstruction | Fast evaluation

P One scan, many evaluations, maximum time saving

Metrology with virtual CMM | NDT and error analysis | Microstructure analysis

P High efficiency due to low space requirements

Large measuring volume | Suitable for workshops | Automation solutions

P High flexibility

Various volumes and configurations | Software for all applications | Choice of radiation sources and detector resolutions

P Low operating costs

Maintenance-free or low-maintenance radiation source | Precision mechanics for higher availability | Longer calibration intervals

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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