

STEINBICHLER T-SCAN CS

THE NEW, HAND-HELD
3D LASER SCANNER



The new, hand-held laser scanner **STEINBICHLER T-SCAN CS** sets new standards with exceptional performance, ease-of-use and outstanding value-for-money

THE NEW LASER SCANNING ALL-IN-ONE SOLUTION

Fast, intuitive and highly precise 3D scanning has now taken on a new dimension in coordinate measurement technology with the hand-held laser scanner STEINBICHLER T-SCAN CS. The revolutionary and modular all-in-one concept, includes perfectly matched components (tracking camera, hand-held scanner and touchprobe), thereby offering highest flexibility for a large variety of applications.

HIGH-END TECHNOLOGY AND PERFORMANCE

Reputed as a longstanding innovator in optical 3D metrology, Steinbichler has again set new standards with the T-SCAN CS. The new laser scanner generation is convincing with its user-oriented design and outstanding technical features, e.g., an exceptionally high dynamic range for data acquisition on various object surfaces, and a hitherto unseen data rate. Thus, the user benefits from a unique scanning speed and highly precise measurement results.

PERFECT HANDLING AND ERGONOMIC DESIGN FOR FATIGUE-FREE, EFFICIENT OPERATION

The design of the T-SCAN CS laser scanner has been ergonomically tailored to the operator's needs, allowing a fatigue-free and intuitive scanning process. With its extremely light and well-distributed weight, the compact unit is ideally suited for data capturing even in most difficult to reach areas. The innovative technology and futuristic design of the scanner perfectly match each other for maximum ease of operation.

steinbichler
INSPIRING
INNOVATION



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AREAS OF APPLICATION

Quality Control / Inspection

- Comparison to CAD data
- Boundary/edge extraction (sheetmetal parts)
- Production-related inspection

Mold and Toolmaking

- Tool reconstruction
- Generation of tool paths for milling
- Documentation of actual 3D data at tool release

Design

- Scanning of design models for further processing in CAD data and as documentation

Rapid Manufacturing

- Acquisition of 3D data for Rapid Prototyping

Reverse Engineering

Scanning of art/historical objects, archaeology

Medical technical applications, etc.

TECHNICAL DATA T-SCAN CS

Measurement Depth	+ / - 50 mm
Scan Width	up to 125 mm
Mean Working Distance	150 mm
Scan Frequency	up to 200 Hz
Sensor Weight	900 g
Sensor Dimensions (incl. handle and IR pins)	300 x 170 x 150 mm
Standard Cable Length Scanner-PC	10 m
Lateral Resolution	0,075 mm
Laser Type	Diode
Wavelength	670 nm
Laser Class	2 M
Available Software	T-SCANplus

HIGHLIGHTS

- Innovative all-in-one concept with hand-held laser scanner, optical tracking unit and touchprobe for flexible use in various applications
- Complete, fast and efficient 3D digitization of large objects
- High measurement accuracy, large measurement volume
- Maximum accessibility due to compact scanner design
- Adjustable laser intensity, eye safe laser class 2M
- High-quality, wear-resistant/low-maintenance components
- Easy calibration

HIGHLIGHTS

- No object preparation required
- High dynamic range for precise data capturing on different surfaces / objects with varying surface properties
- Highly ergonomic, easy and intuitive handling
- Optical distance display / acoustic feedback
- Macro-controlled program execution
- Dynamic referencing for measurement on moving objects
- Automatic evaluation with any common inspection software programs
- Fantastic price-performance ratio



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