STEINBICHLER T-TRACK CS

THE NEW OPTICAL 3D TRACKER

The new STEINBICHLER T-TRACK CS for the spatial location and tracking of active IR markers is the perfect tool for a wide range of measurement applications.

THE NEW, COST-EFFECTIVE, ALLROUND SOLUTION

With the T-TRACK CS, Steinbichler presents a new optical tracking system with universal application capabilities. Thanks to its favorable price-performance ratio, the unit provides this innovative technology to a large variety of applications, including also the entry level sector.

INTEGRATED, MODULAR AND FLEXIBLE DESIGN

Based on many years of experience and leadership in optical 3D metrology, Steinbichler again sets new standards with the T-TRACK CS. Owing to the modular design, the user is able to adapt the tracking system to his individual application. As an example, the unit can be combined with the new hand-held laserscanner T-SCAN CS for efficient and precise 3D surface based scanning of objects in a wide range of sizes.

The optionally available touchprobe T-PROBE CS, facilitates fast and uncomplicated single point measurements. Together with the recognition of active IR markers (e.g. dynamic referencing and motion capturing), the optimal fit of the measurement components opens up to a wide range of applications – thus, the user benefits from a perfect all-in-one solution.

INNOVATION IN MOBILITY AND PERFORMANCE

The robust design makes the T-TRACK CS - which can be positioned with common camera stands - perfectly suitable for industrial use. Setup and installation is done within a few minutes, thanks to the extremely compact design of the tracking unit, controller box and the easy-to-handle unified cabling, thus flexible to also encourage and enable mobile use. The high data processing rate allows measurements with highest speed, contributing to minimize the time for which the object is needed for the scanning process.

steinbichler
INSPIRING INNOVATION

STEINBICHLER T-TRACK CS

THE NEW OPTICAL 3D TRACKER

AREAS OF APPLICATION

Spatial position determination of the hand-held laser scanner T-SCAN CS for the surface based, precise 3D digitization:

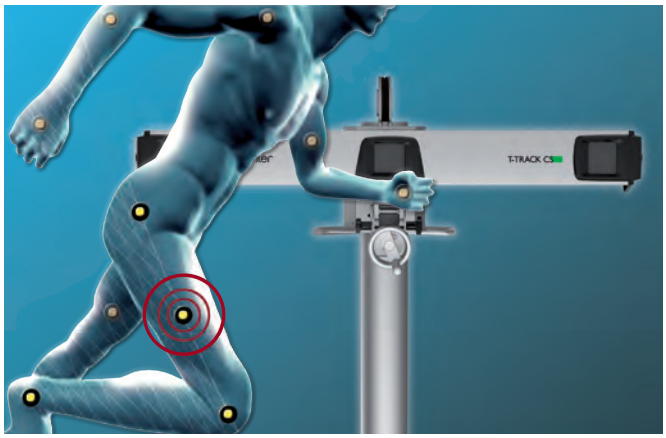
- Design, quality control, Rapid Prototyping/Rapid Tooling/Reverse Engineering
- Scanning of art/historical objects, archaeology
- Medical-technical applications, etc.

Spatial recognition of active IR markers for motion capturing applications:

- Medical-technical motion analyses etc.
- Dynamic referencing measurements on moving objects, e.g. components during operation (measurements of sealings on moving car door)

Combination with touchprobe T-PROBE CS for single spot measurements:

- Probing of reference points (holes, etc.)
- Alignment after tracker repositioning
- Use as portable coordinate measurement machine



TECHNICAL DATA T-TRACK CS

Stand-Off Distance Object-Camera	2.0 m - 3.5 m
Measurement Volume	4.3 m^3
Possible Configurations	• T-SCAN CS • T-PROBE CS • T-MOTION CONTROL CS • Dynamic Referencing
PC	Notebook
Dimensions (mm)	1150 x 180 x 150
Weight	18.5 kg
Data Volume	up to 4 kHz
Frame Rate	80 Hz, 240 recordings/sec.

HIGHLIGHTS

- Wide application range
- Attractive pricing also for entry level applications
- Dynamic referencing for measurements on moving objects
- Perfectly tuned, modular all-in-one design through combination with hand-held laserscanner, touchprobe and IR markers
- Combination of surface based scanning and single point probing
- Easy handling and operation
- Compact and highly mobile

steinbichler INSPIRING INNOVATION

STEINBICHLER OPTOTECHNIK GmbH
Georg-Wiesböck-Ring 12 • 83115 Neubeuern • Germany
fon: +49-8035-8704-0 • fax: +49-8035-1010
sales@steinbichler.de
www.steinbichler.de

International Branch Offices:
USA • BRAZIL • P.R. CHINA • INDIA
FRANCE • PORTUGAL • UK • AUSTRIA • RUSSIA