



TRACKSCAN-P

Optical 3D Measurement System

Intelligent Tracking without Targets



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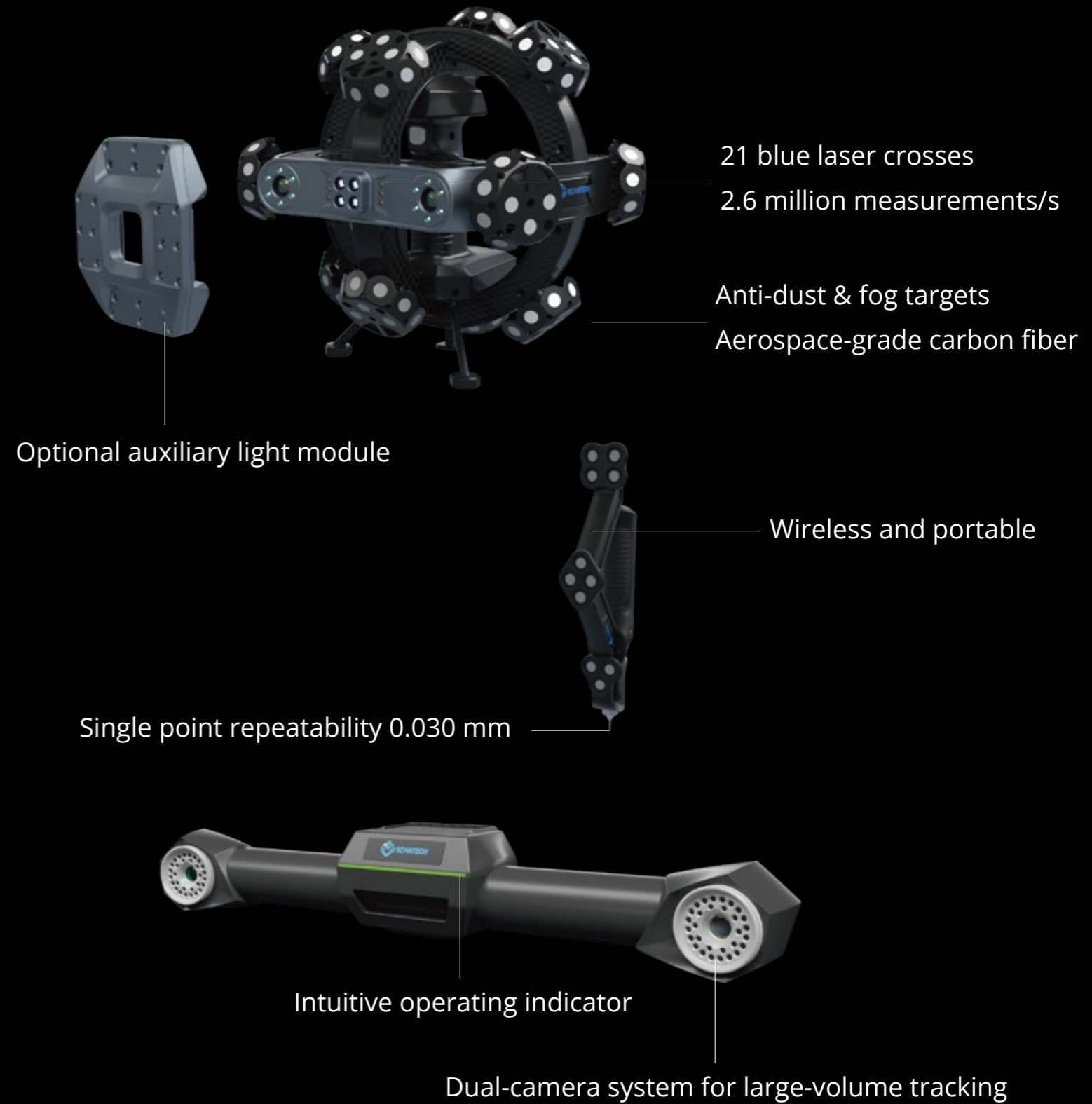
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TRACKSCAN-P

Engineered with intelligent optical tracking measurement and high-resolution cameras, Track-Scan-P can precisely measure parts without having to stick reference targets. This optical 3D measurement system, consisting of a portable 3D scanner and an optical tracker i-Tracker, suits well for 3D scanning large-scale objects. It can be widely applied for quality control, product development, reverse engineering, and more in industries such as aerospace, automotive, rail transport, and mold.

By combining it with additional modules, it can enable extendable applications. It can be paired with an auxiliary light module to inspect circles, grooves, and machined holes of stamping parts. With a portable probe, it conducts precise contact measurements for edges, circles, and grooves. When being mounted onto a robot arm, it is an optimal choice for intelligent and automated 3D inspection.



Target-free
3D Scanning



Ultra-fast
Measurement



Edge Detection

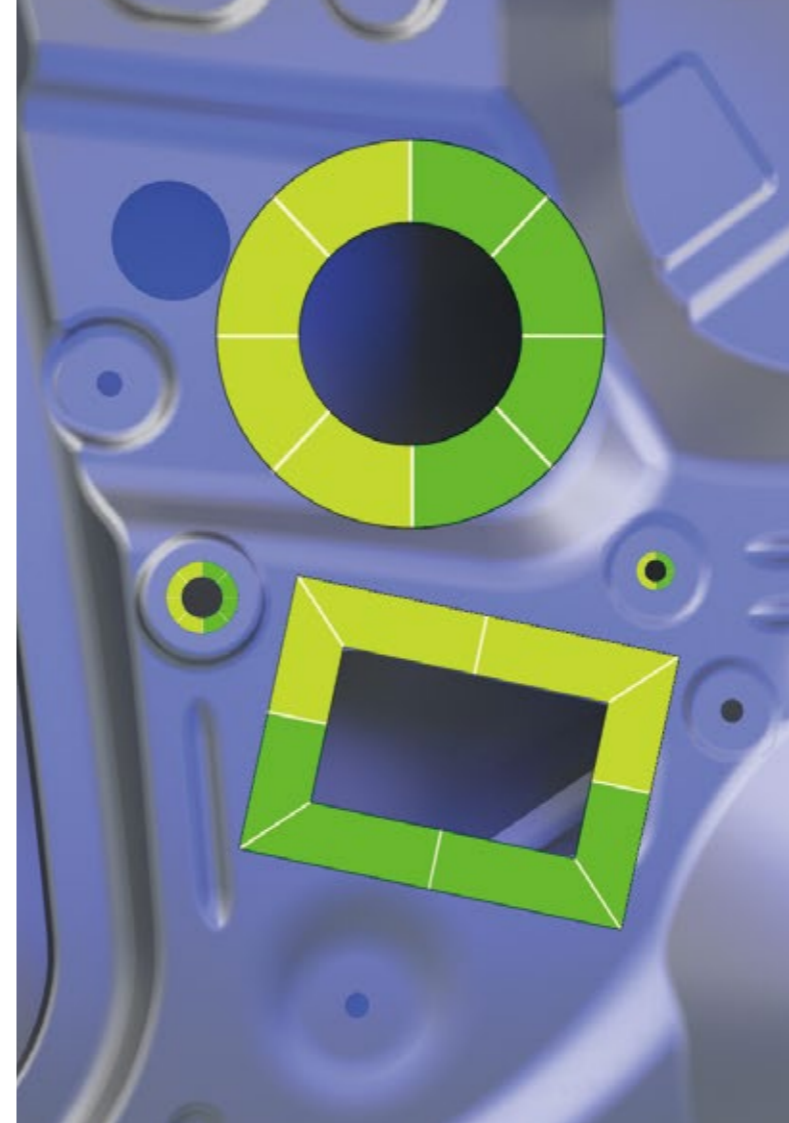


Extendable
Measuring Volume



Optical Tracking for Instant 3D Scanning

TrackScan-P 3D system's optical tracking allows users to start scanning instantly without having to stick targets, significantly improving efficiency and decreasing costs.



Precise Edge Detection

TrackScan features a stand-out function of instant edge detection. Users can inspect circles, grooves, and machined holes of stamping parts in various finishes on the site without having to import original CAD models. The efficient edge detection is enabled thanks to its gray value measurement and optional auxiliary light module. Good measurements are ensured by delivering accurate and repeatable hole positions and diameters.

Unrivaled-fast & Detail-maker

By freely switching between multiple working modes, the TrackScan fits different scanning situations with an accuracy of up to 0.025 mm and an ultra-fast measurement rate of up to 2,600,000 measurements/s. Its 7 parallel blue laser lines perform well for capturing details. A single blue laser line aims to collect 3D data of deep holes and hard-to-reach areas efficiently.



Strong Adaptability

Made from aerospace-grade materials, it is sturdy and reliable. It also boasts a strong anti-interference capability to operate smoothly regardless of vibrations or thermal variations. Due to its advanced algorithm, TrackScan is robust in capturing 3D data of reflective and dark surfaces.



