

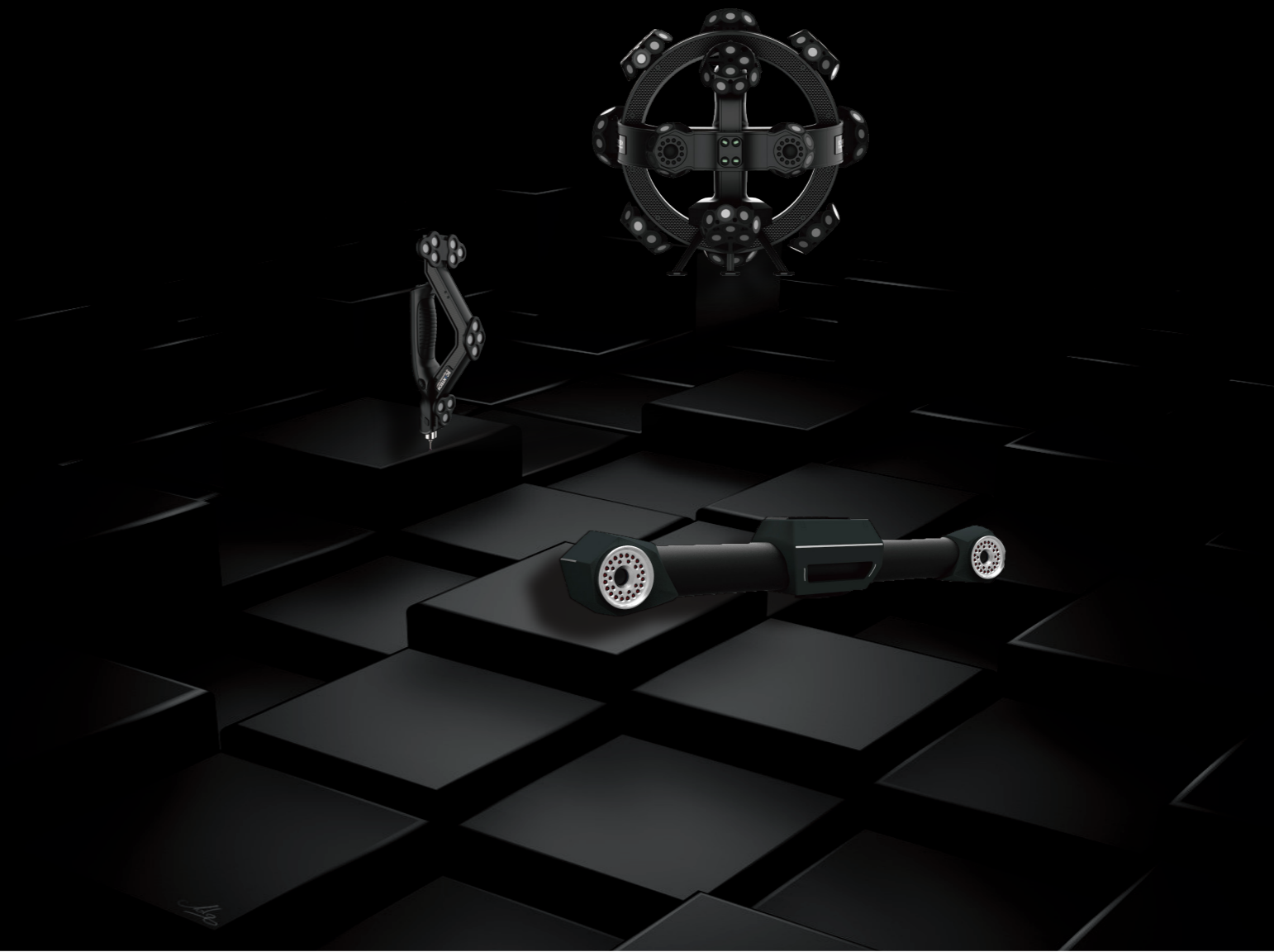
Technical Parameter

Type	TrackScan-P22	
Scan mode	Standard mode R	Hyperfine mode B
Laser source	7 red laser crosses (+ 1 extra red laser line)	7 blue parallel laser lines
Deep hole scanning	Support	
Hyperfine scanning	Support	
Accuracy	0.030 mm	
Measurement rate	480,000 measurements/s	
Scanning area	275 mm × 250 mm	
Laser class	CLASS II (eye-safe)	
Resolution	0.050 mm	0.020 mm
Volumetric accuracy (without extra device)	9.1 m ³	0.064 mm
	16.6 m ³	0.078 mm
Volumetric accuracy (with MSCAN)	0.044 mm+0.025 mm/m	
Single point repeatability (T-Probe)	0.030 mm	
Part size range (recommended)	200 ~ 6000 mm	
Stand-off distance	300 mm	
Depth of field	260 mm	180 mm
Output formats	.stl, .ply, .obj, .igs, .wrl, .xyz, .dae, .fbx, .ma, .asc or customized	
Operating temperature range	5 ~ 40°C	
Interface mode	USB 3.0	
Patents	CN204329903U, CN104501740B, CN104165600B, CN204988183U, CN204854633U, CN204944431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204963812U, CN204902785U, CN204902790U, CN106403845B, CN209197685U, CN209263911U, CN106500627B, CN106500628B, CN206132003U, CN211121096U, US10309770B2, KR102096806B1	

SCANTECH™

TRACKSCAN 3D SYSTEM

Precise 3D Scanning without Markers



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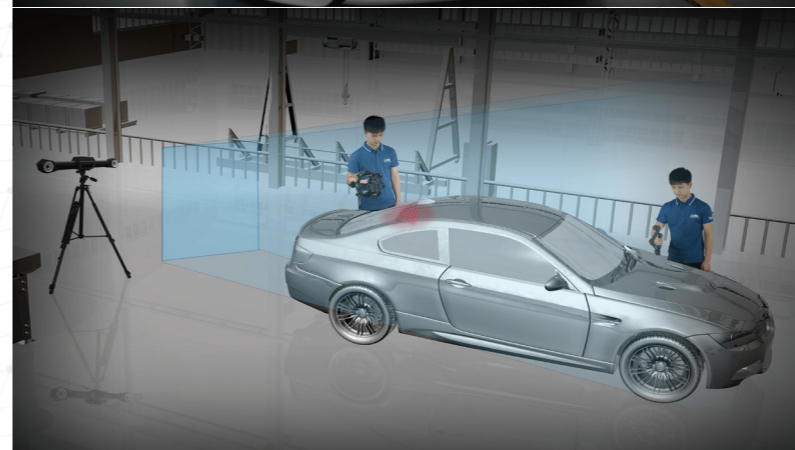
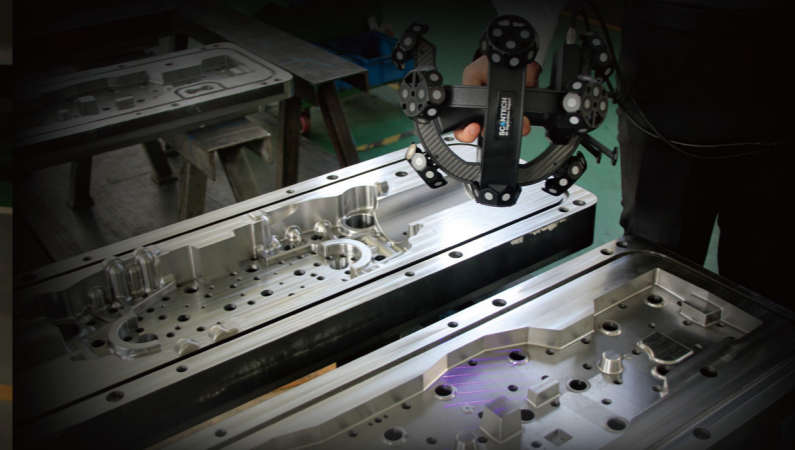
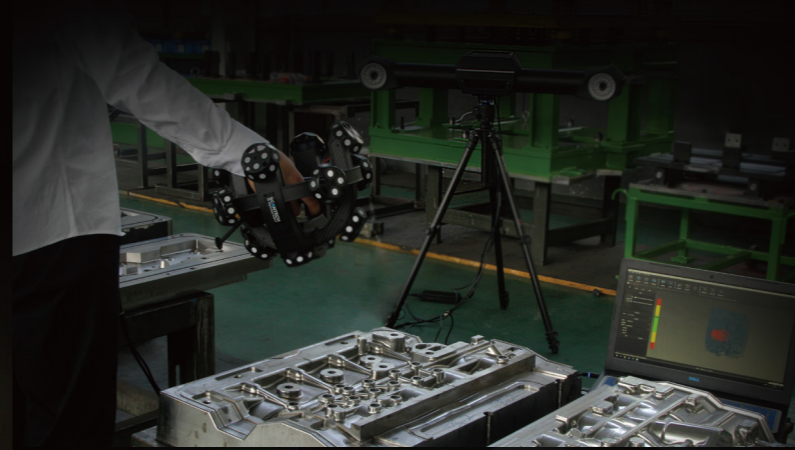
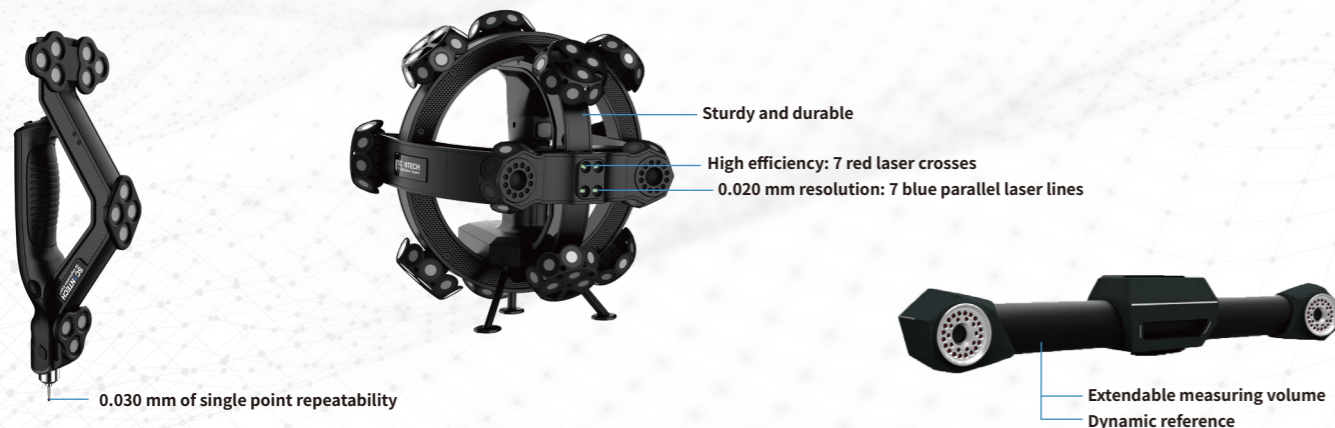


TrackScan 3D system delivers high-precision 3D solution without markers. In combination with 3D laser scanning technology and flexible probing function, it offers rapid and accurate data collection of overall size and key features.

TrackScan-P22 integrates red and blue laser sources in one 3D scanner. The red laser scan mode performs high flexibility and efficiency, and the blue laser mode easily captures extreme details with 0.020 mm resolution.

For special requirements, such as hole, edge and cylinder inspection, operators can use portable CMM T-Probe to enable high-accuracy measurement and 0.030 mm of single point repeatability.

TrackScan 3D system meets the demands of product development, quality control, reverse engineering, etc. It can work with Robot-Arm to provide the automatic 3D measurement solution for manufacturers.



No Markers Required

The optical tracking technology allows high accuracy 3D scanning solution without markers, delivering an easy-operation, time-effective and labor-saving 3D system.

Two Laser Sources in One Scanner

The red laser scan mode performs high flexibility and efficiency, and the blue laser mode easily captures extreme details with 0.020 mm resolution.

Composite Positioning

TrackScan 3D system supports camera tracking and marker tracking modes. In the blind area of E-Track, the scanner can recognize the markers to keep working in narrow space, such as cockpit and car interior dashboard.

Dynamic Reference

Benefitting from dynamic reference function, TrackScan 3D system can work normally during part's position shifting or E-Track movement.

Extendable Measuring Volume

The measuring volume is dynamically extended by adjusting the positions of the E-Track, meanwhile the accuracy still gets maintained.