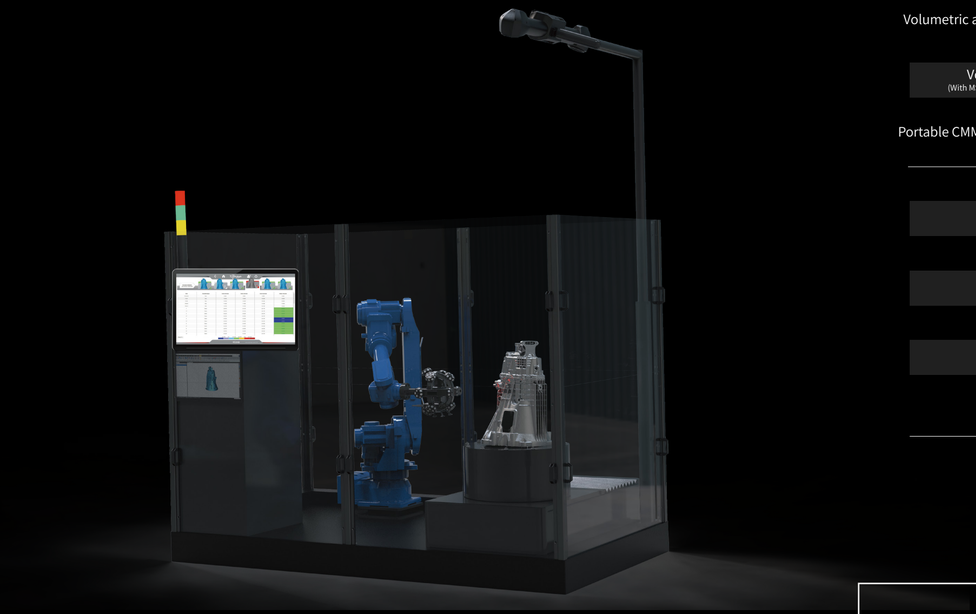
AUTOSCAN-T 3D System

Unmanned Automatic 3D Inspection Solution



Technical Parameter

Type		TrackScan-P30	TrackScan-P42
Scan mode	Ultra-fast scanning	11 blue laser crosses	17 blue laser crosses
	Hyperfine mode B	7 blue parallel laser lines	
	Deep hole scanning	1 extra blue laser line	
Laser lines in total		30	42
Accuracy		0.025 mm	
Measurement rate		1,200,000 measurements/s	1,900,000 measurements/s
Scanning area		310 mm × 350 mm	
Laser class		Class II (eye-safe)	
Resolution		0.020 mm	
Volumetric accuracy	9.1 m^3	0.086 mm	0.064 mm
	16.6 m^3	0.122 mm	0.078 mm
Volumetric accuracy (With MSCAN-L15 photogrammetry system)		0.060 mm+0.015 mm/m	0.044 mm+0.025 mm/m
Portable CMM T-Probe	Optional	Support	
	Single point repeatability	0.030 mm	
Part size range (recommended)		200 ~ 6000 mm	
Stand-off distance		300 mm	
Depth of field		320 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		CN106500627, CN106500628, CN206132003U, CN204854633U, CN204944431U, CN204902788U, CN105068384, CN105049664, CN204963812U, CN204902785U, CN106403845, US10309770B2	

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SCANTECH™

TRACKSCAN 3D System

Intelligent 3D Tracking With Unrivaled-fast Measurement

SCANTECH (HANGZHOU) CO., LTD

TRACKSCAN

TrackScan-P 3D system adopts intelligent optical tracking measurement technology and high-quality optical equipment. It carries out ultra-high precision dynamic 3D measurement without markers. This 3D system is widely applied to quality control, product development, reverse engineering, etc.

By freely switching multiple working modes, TrackScan-P caters to different scanning situations. 17 crossed blue laser lines enable ultra-fast scanning rate and smooth experience. 7 parallel blue laser lines works for detail capturing. Single blue laser line aims to fast collecting 3D data of deep holes and dead angle positions.

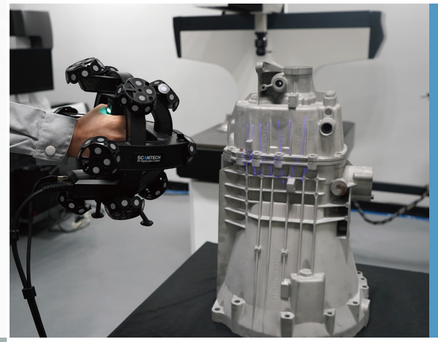
The equipped wireless portable CMM T-Probe delivers flexible measurement, and precisely captures high-precision 3D data of gaps, hole positions, grooves and complex surface. By working with robot-arm, TrackScan-P can also realize intelligent online automated 3D inspection.

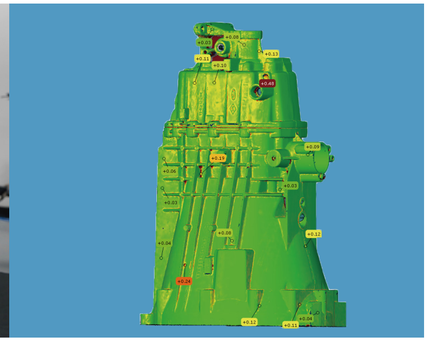
Intelligent Tracking Without Markers

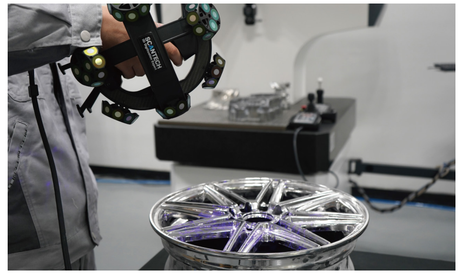
With intelligent optical tracking measurement, TrackScan-P42 3D system delivers instant scanning without markers, greatly improving work efficiency and decreasing cost.

Unrivaled-fast & Detail-maker

17 crossed blue laser lines enable ultra-fast scanning rate of 1,900,000 measurements/s and smooth experience. 7 parallel blue laser lines work for detail capturing. Single blue laser line aims to fast obtain 3D data of deep holes and dead angle positions.







Strong Anti-interference Capability

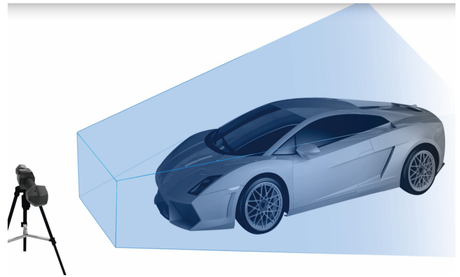
Easily capture 3D data for shiny and black surface; strong anti-interference capability of environment, vibrations and thermal variations.

Accurate Composite Positioning

TrackScan-P42 supports modes of camera tracking and marker tracking. In the blind area of E-Track, the scanner can recognize the markers to keep working.

Wireless Portable CMM

Portable CMM T-Probe is designed for getting precise 3D data of holes and hidden points, with high single point repeatability of 0.030 mm.



Extendable Measuring Volume

Measuring range is dynamically extended by adjusting the positions of E-Track, meanwhile the accuracy still gets maintained.