

## 2.4 Parameter

Chart 1. TrackScan-P42 Technical Parameter

Type		TrackScan-P42
Scan mode	Ultra-fast scanning	17 blue laser crosses
	Hyperfine mode B	7 blue parallel laser lines
	Deep hole scanning	1 extra blue laser line
Laser lines in total		42
Accuracy		0.025 mm
Measurement rate		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 <sup>3</sup>	0.064 mm
	16.6 m <sup>3</sup>	0.078 mm
Volumetric accuracy (With MSCAN-L15 photogrammetry system)		0.044 mm + 0.015 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		-10 ~ 40 °C
Interface mode		USB 3.0
Patents		CN106500627, CN106500628, CN206132003U, CN204854633U, CN204944431U, CN204902788U, CN105068384, CN105049664, CN204963812U, CN204902785U, CN106403845, US10309770B2