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API

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API iSCAN
SERIES
LITE | REAL | MAGIC | TRACK



iSCAN - MAGIC



Technical Parameter

Type		iSCAN-Magic	iSCAN-MagicII
Scan mode	Ultra-fast scanning	11 blue laser crosses	17 blue laser crosses
	Hyperfine scanning	7 blue parallel laser lines	
	Large area scanning	11 parallel infrared laser lines	
	Deep hole scanning	1 extra blue laser line	
Laser lines in total		41	45
Accuracy ⁽¹⁾		0.020 mm	
Scanning rate		Up to 2,700,000 measurements/s	Up to 4,150,000 measurements/s
Scanning area		Up to 1440 mm × 860 mm	
Photogrammetry system	Standard configuration	Built-in	
	Scanning area	3760 mm × 3150mm	
	Depth of field	2500 mm	
Laser class		CLASS II (eye-safe)	
Resolution		0.010 mm	
Volume accuracy ⁽²⁾	Work alone	Up to 0.015 mm + 0.030 mm/m	
	Work with 1m reference bar	Up to 0.015 mm + 0.020 mm/m	
	Work with MSCAN-L15	Up to 0.015 mm + 0.012 mm/m	
Stand-offdistance		300 mm	
Depth of field		925 mm	
Portable CMM K-Probe	Optional	Support	
	Single point repeatability	0.030 mm	
	Tracking frequency	60 hz	
Intelligent edge inspection module	Optional	Support	
	Edge accuracy	0.030 mm	
Pipe inspection module	Optional	Support	
	Output formats	YBC / LRA / compensation value	
Output formats		.stl, .obj, .ply, .asc, .igs, .txt, .mk2, .umk and etc.	
Operating temperature range		-10°C -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, CN206905709U, CN107202554B, CN209310754U, CN209485295U, CN209485271U, CN305446920S, CN209991946U, US10309770B2, KR102096806B1, KR102209255B1, US10914576B2

(1) ISO 17025 accredited: Based on VDI/VDE 2634 Part 3 standard and JIF 1951 specification, probing error (size) (PS) performance is evaluated.
 (2) ISO 17025 accredited: Based on VDI/VDE 2634 Part3 standard and JIF 1951 specification, sphere spacing error (SD) performance is evaluated.

Massive Functions

Built-in photogrammetry system, intelligent edge detection, contact probing and pipe measurement fulfill diverse application needs.

