breuckmann
precision in 3D

naviSCAN 3D

Data Sheet

navi*SCAN* 3D, 5.0 MegaPixel

Technical Specifications

navi*SCAN* 3D, consisting of stereo*SCAN* 3D + navi*Track*-duo + touch probe

***naviSCAN* 3D**					
	Field of view (variable)	1 m	2 m	4 m	7 m
	Accuracy (1) global	0.05 mm	0.09 mm	0.17 mm	0.30 mm
	Power supply	AC 100 - 260 V, 47 – 63 Hz			

stereo*SCAN* 3D		
	Camera sensor	b/w – CCD - (FireWire®)
	Camera resolution	2 x 1.392 x 1.040 / 2 x 2.452 x 2.048 Pixel
	Light source	100 W halogen lamp / 120 W discharge lamp (High Power Projector)
	Luminous intensity	150 ANSI Lumen / 2000 ANSI Lumen
	Sensor weight	8.0 kg incl. navi*FRAME*

Tracking System DUO		
	Camera sensor	b/w - CCD
	Camera resolution	2 x 1.392 x 1.040
	Weight	1.6 kg

Touch Probe		
	Type	Wireless, handheld, with quick-change styli
	Material	Carbon fibre with embedded active targets
	Styli type	User-configurable set of 5 pieces Titanium extension, angles Ruby spheres (incl.), scribe tip (incl.), edge styli (optional)
	Hidden point capability	600 mm (optional up to 1,000 mm)
	Weight	0.5 kg

Please note:

The measurement specifications given are average values for the central measuring range achieved under defined measurement conditions and after precise calibration of the sensor. They solely apply in combination with the measuring and evaluation setup provided by Breuckmann. Furthermore, all accuracy and resolution details depend on the object surface and the scanning conditions.

(1) The feature accuray „global" consists of the coombination of the mobile coordinate measuring machine „DUO" and the optical measuring system stereo*SCAN* ^{3D}-HE.

The field of view depends on the distance of the sensor to the tracking cameras.

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