

SCANSURF THE NEW SCANNING SOLUTION



SCANSURF is the best solution for scanning measurements and reverse engineering, the perfect completion of your articulated arm and more

LIGHT & COMPACT

The *SCANSURF* scanner is optimized to be mounted on a TOMELLERI Articulated Arm, reducing at most the encumbrance and the weight on the holding axis. The result is an extremely powerful instrument in your hands and you just don't feel it!

ACCURATE

Thanks to new software solutions for the sensor calibration, the *SCANSURF* scanner is the most accurate solution for scanning measurements and reverse engineering.

ALWAYS ON

With the *SCANSURF* scanner there's no need to change the interfaces from probe to scanner and vice-versa: the probe remains mounted during the scanning sessions to be always ready for tactile measurements when needed.

LARGE SELECTION

SCANSURF is available with RED or BLUE light, with sizes from 25 to 100 mm of line width. A great selection to work on any surface and covers any kind of necessity

ACCURACY on 7 Axes TOMELLERI ARMS

MODEL	PROBE	<i>SCANSURF</i> - 25	<i>SCANSURF</i> - 50	<i>SCANSURF</i> - 100
SPACE PLUS 1800	0,027 mm	0,037 mm	0,066 mm	0,104 mm
SPACE PLUS 2500	0,034 mm	0,043 mm	0,069 mm	0,106 mm
SPACE PLUS 3200	0,045 mm	0,052 mm	0,075 mm	0,110 mm
SPACE PLUS 4000	0,056 mm	0,062 mm	0,082 mm	0,115 mm
EXPLORER 5000	0,075 mm	0,079 mm	0,096 mm	0,125 mm
EXPLORER 7000	0,090 mm	0,094 mm	0,108 mm	0,135 mm
EXPLORER 9000	0,170 mm	0,172 mm	0,180 mm	0,197 mm

All values reported are expressed with 2 σ error;

For the scanner the values include the accuracy of the arm and of the scanner itself, Blue or Red line model. The accuracy depends on the quality and properties of the surface, from the properties of surface diffusivity and environmental light conditions

TECHNICAL SPECIFICATIONS

Type of line (Wavelength)	Red line (660 nm) / Blue line (405 nm)
Connection	With Renishaw Autojoint
Laserclass	2M
Max. points acquisition rate	384.000 pt/s
Points per line (PPL)	Max 1280
Frequency	Up to 300 Hz
Resolution at mid range	<i>25 mm line:</i> 0,020 mm <i>50 mm line:</i> 0,039 mm <i>100 mm line:</i> 0,078 mm
Protection	IP 50
Operating conditions	+5°/+40° Humidity up to 95% without condensation
Conformity	In compliance with CE

Software by **Tecnos**