

## ARMS and Laser SCANNERS Performance 2018

SPACE serie PLUS (6 and 7 axes arms) *=2 sigma error (mm)					
SPACE Plus		Measuring range	Volumetric accuracy*	Point Repeatability*	Weight (Kg)
SPACE PLUS 1.8	6 Axes	1800mm	<b>0,020</b>	<b>0,012</b>	8,4
SPACE PLUS 2.5		2500mm	<b>0,026</b>	<b>0,016</b>	8,9
SPACE PLUS 3.2		3200mm	<b>0,036</b>	<b>0,020</b>	9,3
SPACE PLUS 4.0		4000mm	<b>0,046</b>	<b>0,024</b>	10,0
SPACE PLUS 1.8	7 Axes	1800mm	<b>0,027</b>	<b>0,017</b>	8,9
SPACE PLUS 2.5		2500mm	<b>0,034</b>	<b>0,021</b>	9,4
SPACE PLUS 3.2		3200mm	<b>0,045</b>	<b>0,026</b>	9,8
SPACE PLUS 4.0		4000mm	<b>0,056</b>	<b>0,030</b>	10,5

SPACE		Measuring range	Volumetric accuracy*	Point Repeatability*	Weight (Kg)
SPACE 1.8	6 Axes	1800mm	<b>0,025</b>	<b>0,018</b>	7,9
SPACE 2.5		2500mm	<b>0,036</b>	<b>0,022</b>	8,4
SPACE 3.2		3200mm	<b>0,045</b>	<b>0,032</b>	8,8

EXPLORER (6 and 7 axes arms) *=2 sigma error (mm)					
EXPLORER		Measuring range	Volumetric accuracy*	Point Repeatability*	Weight (Kg)
EXPLORER 5.0	6 Axes	5000mm	<b>0,065</b>	<b>0,038</b>	12,5
EXPLORER 7.0		7000mm	<b>0,080</b>	<b>0,048</b>	14,0
EXPLORER 9.0		9000mm	<b>0,150</b>	<b>0,075</b>	16,5
EXPLORER 5.0	7 Axes	5000mm	<b>0,075</b>	<b>0,050</b>	13,5
EXPLORER 7.0		7000mm	<b>0,090</b>	<b>0,060</b>	15,0
EXPLORER 9.0		9000mm	<b>0,170</b>	<b>0,090</b>	17,5

MICRON (5 axes arms) *=2 sigma error (mm)					
MICRON		Measuring range (cube side)	Volumetric accuracy*	Point Repeatability*	Weight (Kg)
MICRON 250	5 Axes	250mm	<b>0,004+L/50</b>	<b>0,005</b>	12
MICRON 400S		400mm	<b>0,006+L/40</b>	<b>0,007</b>	14

Laser SCANNER specifications *=2 sigma error (mm)					
PreciTrack3D (ALP red or blue)	Laser line length (mm)	Sample rate (pts/sec)	Volumetric accuracy with Laser**	LASER SCANNER accuracy (3 sigma)	Stand-off distance (mm)
ALP-25	25	128000	<b>0,032</b>	<b>0,008</b>	66
ALP-50	50	128000	<b>0,035</b>	<b>0,014</b>	95
ALP-100	100	128000	<b>0,043</b>	<b>0,026</b>	240
Nikon	Laser line length (mm)	Sample rate (pts/sec)	Volumetric accuracy with Laser**	LASER SCANNER accuracy*	Stand-off distance (mm)
MMDx-50	50	150000	<b>0,035</b>	<b>0,014</b>	95
MMDx-100	100	150000	<b>0,039</b>	<b>0,020</b>	100
MMDx-200	200	150000	<b>0,048</b>	<b>0,032</b>	110

\*\*= average accuracy 2 sigma of complete system LASER SCANNER + SPACE Plus 1.8 7 Axes arm (mm)



## ***Certification kit***

The reseller can verify, calibrate and certify the arm with our specific guided procedure directly at the customer premises using this equipment:

- Tomelleri Core UI technical license;
- Stainless-steel tripod with gauge and sphere supports;
- Gauge of different size 100, 250, 500, 700, 750, 1000 mm;
- Calibration sphere of 20 mm diameter.
- Probe calibration sphere with magnetic support;
- Laser fork calibration kit, with sphere of 10mm diameter and sample pipe and supports;
- Johnson three-spheres for precision verifications.



**ALL the SPACE arms products are MADE IN ITALY.**

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