



ARMS and Laser Scanners Performance

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	0,020	0,012	8,4
SPACE PLUS 2.5		2500mm	0,026	0,016	8,9
SPACE PLUS 3.2		3200mm	0,036	0,020	9,3
SPACE PLUS 4.0		4000mm	0,046	0,024	10,0
SPACE PLUS 1.8	7 Axes	1800mm	0,027	0,017	8,9
SPACE PLUS 2.5		2500mm	0,034	0,021	9,4
SPACE PLUS 3.2		3200mm	0,045	0,026	9,8
SPACE PLUS 4.0		4000mm	0,056	0,030	10,5

SPACE		Measuring range	Volumetric accuracy*	Point Repeatability*	Weight (Kg)
SPACE 1.8	6 Axes	1800mm	0,025	0,018	7,9
SPACE 2.5		2500mm	0,036	0,022	8,4
SPACE 3.2		3200mm	0,045	0,032	8,8
SPACE 4.0		4000mm	0,060	0,040	9,5

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	0,065	0,038	12,5
EXPLORER 7.0		7000mm	0,080	0,048	14,0
EXPLORER 9.0		9000mm	0,100	0,060	16,5
EXPLORER 5.0	7 Axes	5000mm	0,075	0,050	13,5
EXPLORER 7.0		7000mm	0,090	0,060	15,0
EXPLORER 9.0		9000mm	0,110	0,070	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	0,004+L/50	0,005	12
MICRON 400		400mm	0,006+L/40	0,007	14

Laser SCANNER specifications *=2 sigma error (mm)					
Perceptron	Laser Line length (mm)	Sample rate (pts/sec)	LASER SCANNER accuracy*	Point Repeatability*	Stand-off distance (mm)
ScanR - GREEN	83	280000	0,036	0,008	120
ScanR - RED	83	112000	0,050	0,008	120
LDI	Laser line length (mm)	Sample rate (pts/sec)	LASER SCANNER accuracy*	Point Repeatability*	Stand-off distance (mm)
SLP-250	25	75000	0,010	0,020	72-110
SLP-500	67	75000	0,020	0,030	73-136
SLP-2000	320	75000	0,127	0,035	200-500
Nikon	Laser line length (mm)	Sample rate (pts/sec)	LASER SCANNER accuracy*		Stand-off distance (mm)
MMDx-50	50	150000	0,014		95
MMDx-100	100	150000	0,020		100
MMDx-200	200	150000	0,032		110
MMCx-80	80	24000	0,032		100
MMCx-160	160	24000	0,048		110

Certification kit

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

- 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.