

Robot TH1200A Specification

Name		TH1200A	SR-1204HSP
Type		Horizontal multi-joint	Horizontal multi-joint
No.of controlled axes		4 axes	4 axes
Arm length	Full length	1200(mm)	1200(mm)
	Arm 1	700(mm)	580(mm)
	Arm 2	500(mm)	620(mm)
Working envelope	Axis 1	± 160 (deg)	± 115 (deg)
	Axis 2	± 145 (deg)	± 145 (deg)
	Axis 3	0 to 200(mm)	
	Axis 4	± 360 (deg)	
Maximum speed	Axis 1	240(deg/sec)	170(deg/sec)
	Axis 2	330(deg/sec)	270(deg/sec)
	Axis 3	1800(mm/sec)	1000(mm/sec)
	Axis 4	1200(deg/sec)	576(deg/sec)
	Composite	7.9(m/sec)	6.5(m/sec)
Maximum payload mass		20(kg)	15(kg)
Cycle time		0.57(sec)with 2kg	0.71(sec)with 2kg
Permissible load inertia		0.2(kgm ²)	0.05(kgm ²)
Positioning repeatability	X-Y	± 0.03 (mm)	
	Z(axis 3)	± 0.02 (mm)	
	C	± 0.005 (deg)	± 0.03 (deg)
Drive system		AC Servo motor for all axis	

APPROVED BY: *Y. Yamaguchi*

CHECKED BY: *R. Chiba*

PREPARED BY: *K. Kido*