

High payload SCARA robot TH1050A



Model		TH1050A
Type		Horizontal multi-joint
No. of controlled axes		4
Arm length		1050 mm (550 mm+500 mm)
Working envelope	Axis 1	±160°
	Axis 2	±145°
	Axis 3 (Z-axis)	200 mm (optional: 400 mm)
	Axis 4 (Z-axis rotation)	±360°
Maximum speed	Axis 1	300°/s
	Axis 2	420°/s
	Axis 3 (Z-axis)	2050 mm/s
	Axis 4 (Z-axis rotation)	1200°/s
Composite		9.15 m/s
Standard cycle time (with 2kg load)		0.39 s *2
Maximum payload mass		20 kg (rated: 5 kg)
Allowable moment of inertia		0.2 kgm ² *3
Positioning repeatability	X-Y	±0.01 mm *4
	Z (Axis 3)	±0.01 mm *4
Axis 4 (Z-axis rotation)		±0.004° *4
Hand wiring		5 inputs / 4 outputs
Hand piping		4 pcs. (φ6)
Position detection		Absolute
Robot controller cable		5 m (optional: max. 25 m)
Power Capacity		4.4 kVA
Mass		80 kg

■ For *2, *3 and *4, see page 5.

External view

