

## VT6L Specification

Model name		VT6L
Model number		VT6-A901S
Payload (Load) <sup>*1</sup>	Rated	3 kg
	Max.	6 kg
Max. reach	P point :Joint#1-5 center	920 mm
	Joint#1-6 flange surface	1000mm
Repeatability	Joint#1-6	± 0.1 mm
Max. motion range	Joint#1	±170°
	Joint#2	-160° ~ +65° (225°)
	Joint#3	-51° ~ +190° (241°)
	Joint#4	±200°
	Joint#5	±125°
	Joint#6	±360°
Max. operation speed	Joint#1	183.7°/s
	Joint#2	122.5°/s
	Joint#3	118.8°/s
	Joint#4	271.4°/s
	Joint#5	296.8°/s
	Joint#6	296.8°/s
Allowable moment of inertia <sup>*2</sup>	Joint#4	0.3 kg·m <sup>2</sup>
	Joint#5	0.3 kg·m <sup>2</sup>
	Joint#6	0.1 kg·m <sup>2</sup>
Mounting type <sup>*3</sup>		Table top / Ceiling / Wall mount (Wall mount: a possibility of putting restrictions on J1 acceleration / deceleration, motion area. TBD)
Robot installation screw hole and interval		200×200 [mm] Φ9[mm]
Brake		All Axes
Environment spec		Standard
Weight (cables not included)		Less than 40kg
Applicable Controller		Built-in controller
Power Source / Power cable length		AC100-240V single phase / 5m
Power capacity <sup>*4</sup>		1.25 kVA
Installed wire for customer use		None (External Wiring Option available)
Installed pneumatic tube for customer use		None (External Wiring Option available)
I/O	Standard I/O	In 24, Out 16 (Non polarity)
	Remote I/O	In 8, Out 8 (Remote function assigned to standard I/O)
Safety Standard		EU Directive complied (CE sticker is not attached because of semi-finished product) KC, KCs (Scheduled to be on sale 3 months after standard spec launch)

\*1 : Do not apply the load exceeding the maximum payload.

\*2 : If the center of gravity is at the center of each arm. If the center of gravity is not at the center of each arm, set the eccentric quantity using INERTIA command.

\*3 : Manipulators are set to "Table Top mounting" at shipment. To use the manipulators by other installation coordination, need to change the model settings on RC+ software.

\*4 : Actual required capacity depends on the robot motion.