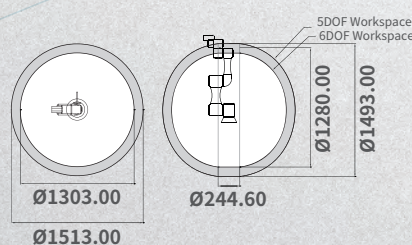


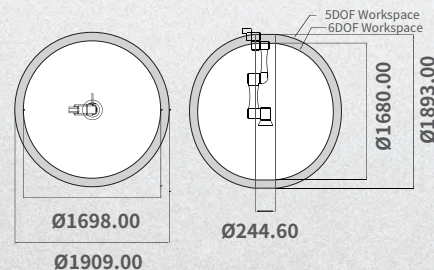
Specification



Operating Area



TM5-700, TM5M-700



TM5-900, TM5M-900

TM5-700 Regular Payload Series TM5-900

SEMI S2 ISO 10218-1:2011 ISO/TS 15066:2016 CE

Model		TM5-700	TM5-900	TM5X-700	TM5X-900	TM5M-700	TM5M-900
Weight		22.1kg	22.6kg	21.8kg	22.3kg	22.1kg	22.6kg
Maximum Payload		6kg	4kg	6kg	4kg	6kg	4kg
Reach		700mm	900mm	700mm	900mm	700mm	900mm
Typical Speed		1.1m/s	1.4m/s	1.1m/s	1.4m/s	1.1m/s	1.4m/s
Joint ranges	J1,J6	+/- 270°	+/- 270°	+/- 360°	+/- 360°	+/- 270°	+/- 270°
	J2,J4,J5	+/- 180°	+/- 180°	+/- 360°	+/- 360°	+/- 180°	+/- 180°
	J3	+/- 155°					
Speed	J1,J2,J3	180°/s					
	J4,J5,J6	225°/s					
Repeatability		+/- 0.05 mm					
Degrees of freedom		6 rotating joints					
I/O Ports	Control Box	Digital In: 16 Digital Out: 16 Analog In: 2 Analog Out: 1					
	Tool Conn.	Digital In: 3/4 (by Regional Model) Digital Out: 3/4 (by Regional Model) Analog In: 1 Analog Out: 0					
I/O power supply		24V 1.5A / 2.0A for control box (by Regional Model) 24V 1.5A for tool					
IP classification		IP54 (Robot Arm); IP32 (Control Box)					
Power Consumption		Typical 220 watts					
Temperature		The robot can work in a temperature range of 0-50°C					
Power supply		100-240 VAC, 50-60 Hz				24/48/22-60 VDC (by Reginal Model)	
I/O Interface		3×COM, 1×HDMI, 3×LAN, 4×USB2.0, 2×USB3.0, 1×VGA (by Reginal Model)					
Communication		RS232, Ethernet, Modbus TCP/RTU (master & slave), PROFINET (optional)					
Programming Environment		TMflow, flowchart based					
Certification		CE (by Regional Model), SEMI S2 (optional)					
Robot Vision							
Eye in Hand (Built in)		1.2M/5M pixels, color camera		N/A		1.2M/5M pixels, color camera	
Eye to Hand (Optional)		Support Maximum 2 GigE 2D cameras*					

*Refer to the official website of TM Plug&Play for camera models compatible to TM Robot.

*Refer to the official website of TM Plug&Play for camera models compatible to TM Robot.