

TM12 & TM14 Series

Model		TM12	TM14	TM12M	TM14M
Weight		33.3Kg	32.6Kg	33.3Kg	32.6Kg
Payload		12kg	14kg	12kg	14kg
Reach		1300mm	1100mm	1300mm	1100mm
Max Speed		1.3m/s	1.1m/s	1.3m/s	1.1m/s
Joint ranges	J1	+/- 270°			
	J2,J4,J5	+/- 180°			
	J3	+/- 166°	+/- 163°	+/- 166°	+/- 163°
	J6	+/- 270°			
Speed	J1~J2	120°/s			
	J3	180°/s			
	J4~J5	180°/s	150°/s	180°/s	150°/s
	J6	180°/s			
Repeatability	+/- 0.1 mm				
Degrees of freedom	6 rotating joints				
I/O ports		Control box		Tool conn.	
	Digital in	16		4	
	Digital out	16		4	
	Analog in	2		1	
	Analog out	1		0	
I/O power supply	24V 1.5A for control box and 24V 1.5A for tool				
IP classification	IP54				
Power Consumption	Typical 300 watts		Typical 300 watts		
Maximum Power Capacity	Max. 2200 watts		Max. 1500 Watts ^②		
Temperature	The robot can work in a temperature range of 0-50°C				
Power supply	100-240 VAC, 50-60 Hz		DC 20V~60V		
I/O Interface	3×COM, 1×HDMI, 3×LAN, 4×USB2.0, 2×USB3.0				
Certification	CE, SEMI S2(Option)				
Variation Models	X: without hand eye camera, SEMI: SEMI S2 certified				
Robot Vision					
Eye in Hand (Built in)	1.2M/5M pixels, color camera				
Eye to Hand (Optional)	Support Maximum 2 GigE cameras				