



Product Specifications

Model	TM5-700	TM5-900	TM12	TM14	
Weight	22 kg	22.2 kg	33.3 kg	32.6 kg	
Payload	6 kg	4 kg	12 kg	14 kg	
Reach	700 mm	900 mm	1300 mm	1100 mm	
Joint Range	J1	+/- 270°			
	J2,J4,J5	+/- 180°			
	J3	+/- 155°	+/- 155°	+/- 166°	+/- 163°
	J6	+/- 270°			
Speed	J1 - J2	180°/S		120°/S	
	J3	180°/S		180°/S	
	J4 – J5	225°/S		180°/S	150°/S
	J6	225°/S		180°/S	
Repeatability	+/- 0,05 mm		+/- 0,1 mm		
Degrees of freedom	6 Rotating joints				
I/O ports		Control Box	Tool Conn.	Control box	Tool conn.
	Digital in	16	3/4	16	4
	Digital out	16	3/4	16	4
	Analog in	2	1	2	1
	Analog out	1	0	1	0
I/O power supply	24V 1.5A for control box and 24V 1.5A for tool				
IP Classification	IP54				
Max. Power capacity	Max. 1300 watts		Max 1500 watts		
Power consumption	Typical 220 watts		Typical 300 watts		
Temperature	The robot can work in a temperature range of 0-50°C				
I/O interface of control box	3x COM, 1x HDMI, 3x LAN, 4x USB 2.0, 2x USB 3.0, 1x VGA		3x COM, 1x HDMI, 3x LAN, 4x USB 2.0, 2x USB 3.0		
Robot vision					
Eye in Hand (built in)	1.2M/5M pixels, color camera				
Eye in Hand (option)	Support Maximum 2 GigE cameras				



vision with cobots