

Robot type			MZ25-01	
Structure			Articulated robot	
Degree of Freedom			6	
Maximum motion range	Arm	J1	Swivel	$\pm 2.97\text{rad}$ ( $\pm 170^\circ$ )
		J2	Forward/Backward	+1.83 to -2.62rad (+105 to -150°)
		J3	Upward/Downward	+5.04 to -2.81rad (+289 to -161°)
	Wrist	J4	Rotation2	$\pm 3.32\text{rad}$ ( $\pm 190^\circ$ )
		J5	Bend	$\pm 2.53\text{rad}$ ( $\pm 145^\circ$ )
		J6	Rotation1	$\pm 6.28\text{rad}$ ( $\pm 360^\circ$ )
Maximum Velocity <sup>*1</sup>	Arm	J1	Swivel	3.67rad/s (210°/s)
		J2	Forward/Backward	3.23rad/s (185°/s)
		J3	Upward/Downward	4.71rad/s (270°/s)
	Wrist	J4	Rotation2	7.33rad/s (420°/s)
		J5	Bend	7.33rad/s (420°/s)
		J6	Rotation1	11.73rad/s (672°/s)
Maximum Payload		Wrist	25kg	
Maximum static load torque	J4	Rotation2	52N·m	
	J5	Bend	52N·m	
	J6	Rotation1	32N·m	
Maximum moment of inertia <sup>*2</sup>	J4	Rotation2	2.4kg·m <sup>2</sup>	
	J5	Bend	2.4kg·m <sup>2</sup>	
	J6	Rotation1	1.3kg·m <sup>2</sup>	
Maximum Reach			1,882mm	
Position repeatability <sup>*3</sup>			$\pm 0.05\text{mm}$	
Air tubes			IN : $\varnothing 6 \times 1$ , OUT : $\varnothing 10 \times 1$	
Application cables			24 wires (Including wires for optional valves)	
Mounting Condition			Floor / Inverted / Angle	
Ambient Temperature			0 to 45C <sup>o*4</sup>	
Ambient Humidity			20 to 85%RH (No dew or frost allowed)	
Protection class			IP 67 equivalent (dust-proof, moisture-resistant)	
Robot weight			250kg	