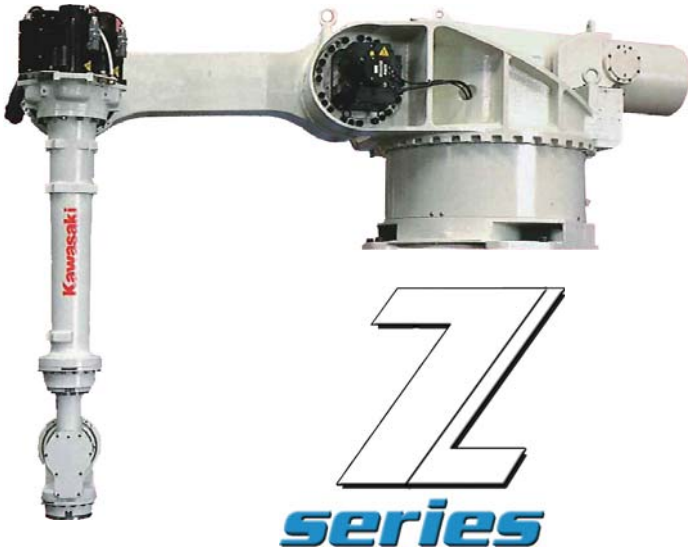
Kawasaki
Kawasaki Robotics (USA), Inc.

ZTE165X

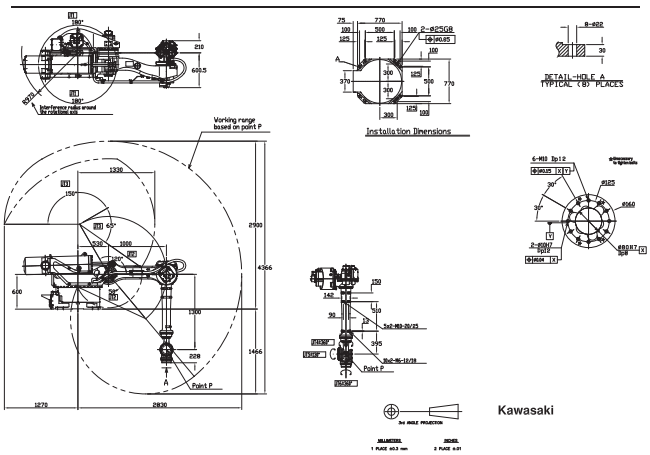
Product Specification



Standard Applications:

- Dispensing
- Sealing
- Material Handling
- Machine Tending
- Spot Welding
- Material Removal
- Assembly

Arm Type	Articulated		
Degrees of Freedom	6 (Optionally 7)		
Axes Work Envelope and Maximum Speed	**Axis**	**Work Envelope**	**Maximum Speed**
	Arm Rotation (JT1)	+180°	120° /s
	Arm Out-In (JT2)	+50° ~ -120°	110° /s
	Arm Down-Up (JT3)	+150° ~ -65°	115° /s
	Wrist Swivel (JT4)	± 360°	140° /s
	Wrist Bend (JT5)	± 130°	155° /s
	Wrist Twist (JT6)	± 360°	260° /s
	Arm Traverse	2000 mm (standard)	1000 mm/s
	Adjustable Mechanical Stopper JT1		
Position Repeatability	±0.3 mm (at wrist flange surface)		
Payload	165 kg		
Maximum Linear Speed	Maximum Linear Interpolation speed 2500 mm/s		
Wrist Load Capacity		**Torque**	**Moment of Inertia**
	JT4	911.4 N*m (93 kgf*m)	78.4 Kg*m^2 (7.9 Kgf*m*s^2)
	JT5	911.4 N*m (93 kgf*m)	78.4 Kg*m^2 (7.9 Kgf*m*s^2)
	JT6	450.8 N*m (46 kgf*m)	40.2Kg*m^2 (4.1 Kgf*m*s^2)
Driving Motor	Brushless AC Servomotor		
Mass	1600 kg (excluding options)		
Color	Kawasaki Standard		
Installation	Shelf mount		
Ambient Temperature Relative Humidity	0–45° C for manipulator 35–85% non-condensing		
Pneumatic Piping	Built-in Pneumatic Piping (ø12 x 2 lines)		
	Wirings for valves to drive hand (DC 24V x 7 circuits)		
Power/Signal Cable Length	10 m		
IP Rating	Wrist—IP65; Arm—IP65		
Options	Power/Signal Cable Length: 15 m		
	Internal wiring (37 wires)		
	Built-in Valve 1D/2D/1S/2S/1D1S		
* For installation of mechanical stopper and limit switch. It enables only when the width of JT1's operating angle is within 320°. The operating angle at shipment is being set to ±110°.			
Consult us about Maintenance Parts and Spare Parts.			



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