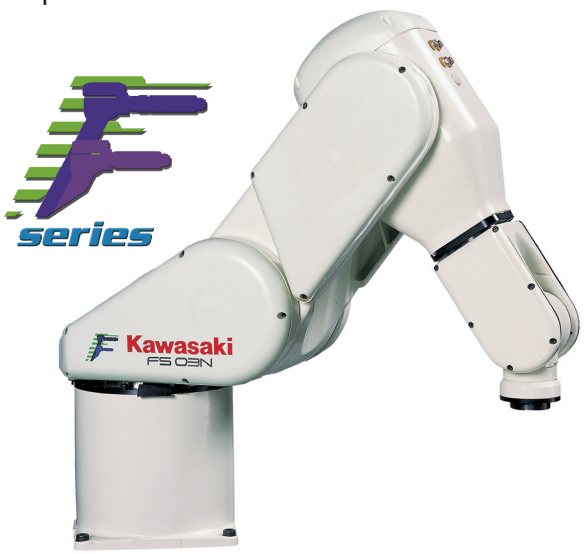
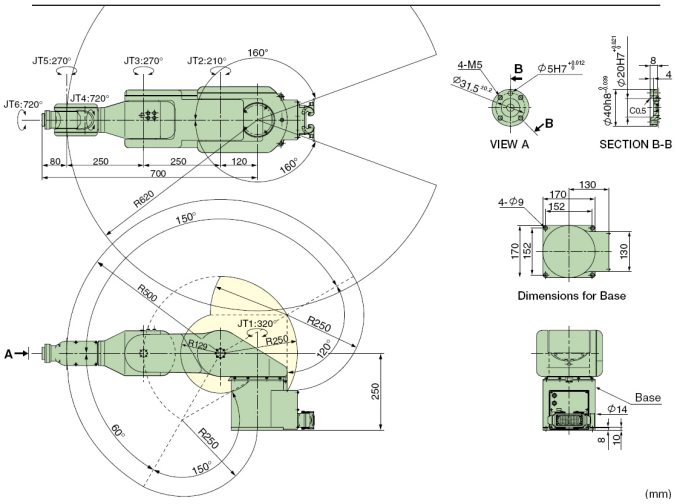
FS03N

Product Specification

Standard Applications:

- Arc Welding
- Dispensing
- Sealing
- Material Handling
- Material Removal
- Machine Tending
- Assembly
- Inspection





Arm Type	Articulated		
Degrees of Freedom	6		
Axes Work Envelope and Maximum Speed	**Axis**	**Work Envelope**	**Maximum Speed**
	Arm Rotation (JT1)	± 160°	360° /s
	Arm Out-In (JT2)	+150° ~ -60°	250° /s
	Arm Up-Down (JT3)	+120° ~ -150°	225° /s
	Wrist Swivel (JT4)	± 360°	540° /s
	Wrist Bend (JT5)	± 135°	225° /s
	Wrist Twist (JT6)	± 360°	540° /s
Position Repeatability	±0.05 mm (at center of tool mounting surface)		
Payload	3 kg		
Maximum Linear Speed	6000 mm/s (at center of tool mounting surface)		
Wrist Load Capacity	(kgf * m * s²) (kg * mm²) (Note)		
		Torque	Moment of Inertia
	JT4	5.8 N*m	0.12 kg*m²
	JT5	5.8 N*m	0.12 kg*m²
	JT6	2.9 N*m	0.03 kg*m²
	* Note: each value in this table shows allowable moment of inertia of JT4/JT5/JT6 when maximum allowed torque is applied to each axis. If more detailed data is required for your application, please contact Kawasaki.		
Driving Motor	Brushless AC Servomotor		
Mass	20 kg (excluding options)		
Color	Kawasaki Standard		
Installation	Floor and ceiling mount		
Ambient Temperature Relative Humidity	0 ~ 45° C for manipulator 35 ~ 85% non-condensing		
Power/Signal Cable Length	5 m		
Options	Power/Signal Cable Length: 10 m, 15 m		
	Built-in Valve	1D/2D/1S/2S	
	Built-in Circuit	Built-in sensour harness; 4 circuits, 24 VDC, GND, wired inside robot arm	
	Mechanical Stopper	JT1 (45 degree adjustable)	
Consult us about Maintenance Parts and Spare Parts.			