

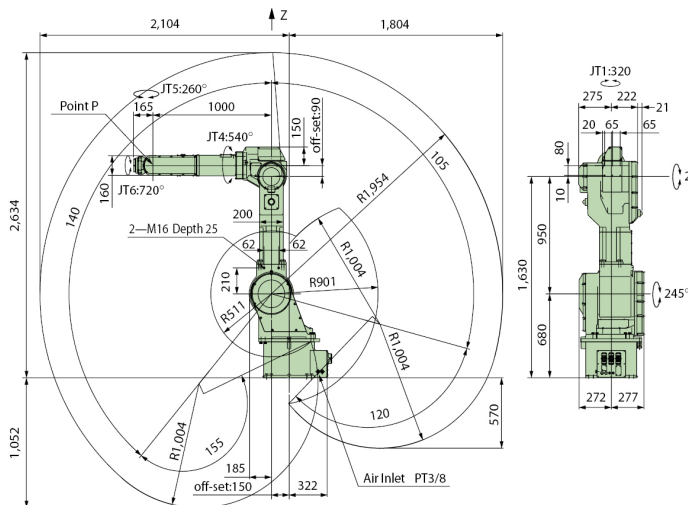
# FS30L

## Product Specification



### Standard Applications:

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



Arm Type	Articulated		
Degrees of Freedom	6 (Optionally 7)		
Axes Work Envelope and Maximum Speed	<b>Axis</b>	<b>Work Envelope</b>	<b>Maximum Speed</b>
	Arm Rotation (JT1)	± 160°	160° /s
	Arm Out-In (JT2)	+140° ~ -105°	140° /s
	Arm Up-Down (JT3)	+120° ~ -155°	160° /s
	Wrist Swivel (JT4)	± 270°	240° /s
	Wrist Bend (JT5)	± 130°	240° /s
	Wrist Twist (JT6)	± 360°	340° /s
	Arm Traverse (JT7)	Standard 2000 mm	1000 mm/s
Position Repeatability	±0.15 mm (at center of tool mounting surface)		
Payload	30 kg		
Maximum Linear Speed	11100 mm/s (Maximum Linear Interpolation Speed: 1500 mm/s)		
Wrist Load Capacity	$(\text{kgf} \cdot \text{m} \cdot \text{s}^2)$ $(\text{kg} \cdot \text{m}^2)$ ( NOTE )		
Moment of Inertia			
Driving Motor	Brushless AC Servomotor		
Mass	585 kg (excluding options)		
Color	Kawasaki Standard		
Installation	Floor and ceiling mount		
Ambient Temperature	0 – 45° C for manipulator		
Relative Humidity	35 – 85% non-condensing		
Pneumatic Piping	Built-in Pneumatic Piping		
Power/Signal Cable Length	7 m		
Built-in Circuit	Built-in Sensor Harness; 4 circuits, 24 VDC, GND Built-in Option Harness; 7 pairs		
IP Rating	Wrist-IP67; Arm-IP65		
Options	Power/Signal Cable Length: 10 m, 15 m		
	Installation	Wall Mount	
	Protection	Dust Proof	
	Built-in Valve	1D/2D/3D/1D1S/1D2S/2D1S/1S/2S/3S	
	Installation Base	Robot Riser 600 mm, Robot Riser 300 mm, Base Plate	
	Mechanical Stopper	JT1,2,3 adjustable (22.5 deg)	
	Cover	Zeroing Surface Protect Cover	
	Consult us about Maintenance Parts and Spare Parts.		