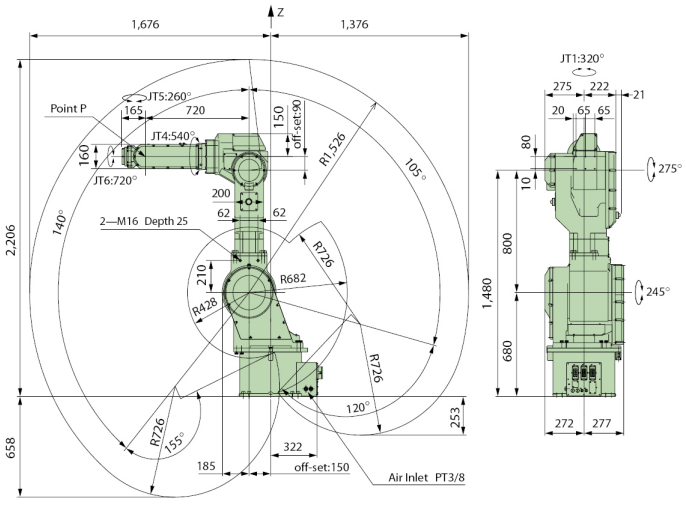
FS30N

Product Specification

Standard Applications:

- 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	**Axis**	**Work Envelope**	**Maxi-mum Speed**
	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	8900 mm/s (Maximum Linear Interpolation Speed: 1300 mm/s)		
Wrist Load Capacity (kgf * m * s^2) (kg * m^2) (NOTE) Moment of Inertia Calculate precisely when wrist load is near the boundary zone on the left diagram because the scale is not accurate. JT4,5 JT6 19.8 8.26 3.3 9.8 7.2 176.4 Moment (N * m) (kgf * m)			
Driving Motor	Brushless AC Servomotor		
Mass	575 kg (excluding options)		
Color	Kawasaki Standard		
Installation	Floor and ceiling mount		
Ambient Temperature Relative Humidity	0 – 45° C for manipulator 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 adustable (22.5 deg)	
	Cover	Zeroing Surface Protect Cover	
Consult us about Maintenance Parts and Spare Parts.			