SF MIMETIC Series | Medium Payload Robot
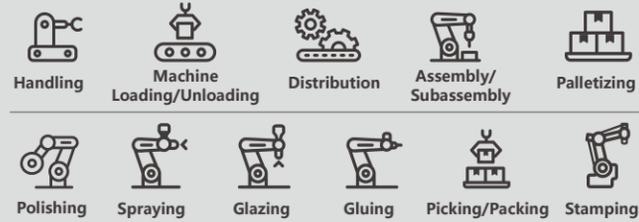## Model: SF20-K1735

The SF MIMETIC is a medium payload industrial robot with a superior working range, advanced servo control technology, and an extremely rigid arm, significantly reducing cycle times and ensuring high productivity.

SF MIMETIC is a complete solution for medium payload class industrial robots to secure your future planning and production investment. From 20 kg up to 120 kg of fine load breakdown.

It is the perfect solution to ensure accuracy and production quality. Whether handling, machine loading/unloading, painting, stamping, palletizing, grinding, picking/packing, or assembly/distribution. In addition, you will have the freedom to choose the robot corresponding to your actual needs for greater efficiency and economic benefits.

All SF MIMETIC series are equipped with LIKEPRECISION technology, the ultra-precise RV Precision Gearbox, which enables the robot to take full advantage of its advantages even at high operating speeds.
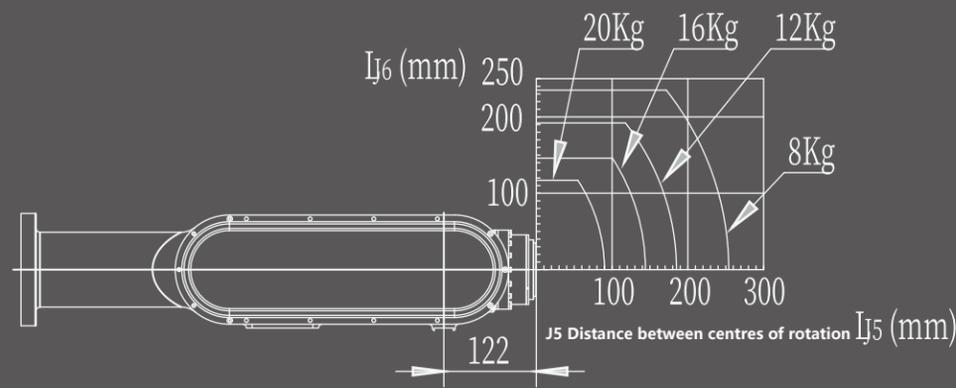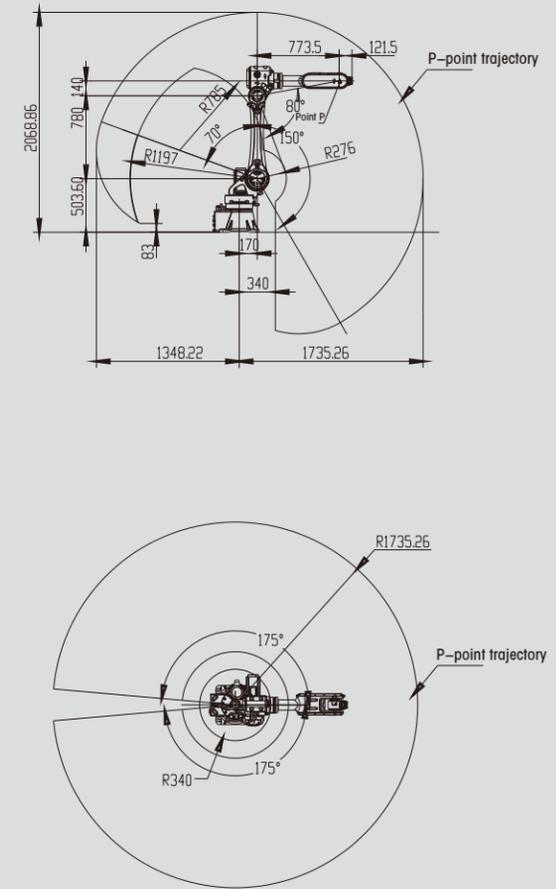
Applications

| Handling | Machine Loading/Unloading | Distribution | Assembly/Subassembly | Palletizing |

| Polishing | Spraying | Glazing | Gluing | Picking/Packing | Stamping |

SF20-K1735 Data Overview

Model		SF20-K1735
Structure		Vertically Articulated
Number of Axis		6
Radius		1735mm
Payload		20kg
Repeatability		±0.05mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	141.6^0 /s
	J2	135^0 /s
	J3	141.6^0 /s
	J4	300^0 /s
	J5	300^0 /s
	J6	500^0 /s
Range of Motion	J1	$±175^0$
	J2	$+68^0$ /-150^0
	J3	$+150^0$ /-75^0
	J4	$±178^0$
	J5	$±125^0$/-125^0
	J6	$±720^0$
Allowable Moment	J4	42N.M
	J5	42N.M
	J6	23N.M
Allowable Inertia	J4	1.26kg.m2
	J5	1.26kg.m2
	J6	0.49kg.m2
Protection Rating		IP 65
Operating Conditions	Temp.	0-45℃
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size		370*370mm
Height		1563mm
Weight		206KG
Mounting Positions		Any angle
Power Consumption		3.25kVA

SF20-K1735 Range of Motion

External & Installation Dimensions

A-Way Diagram
(End Flange Mounting Dimensions)

B-Way Fiagram (Base Mounting Dimensions)

I_{J6} (mm)

250 200 100

20Kg 16Kg 12Kg 8Kg
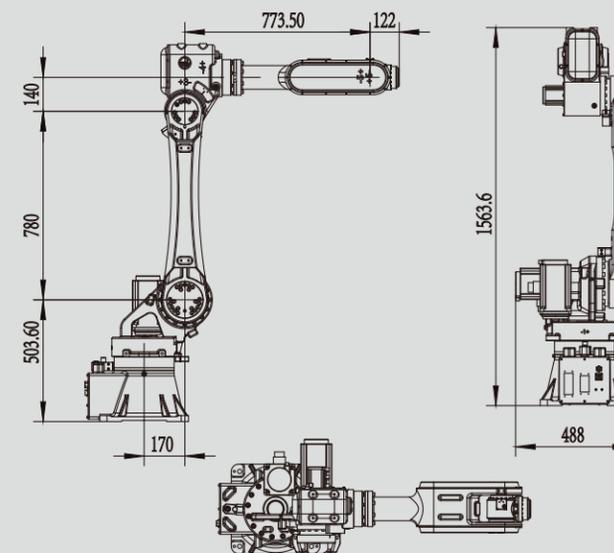
100 200 300

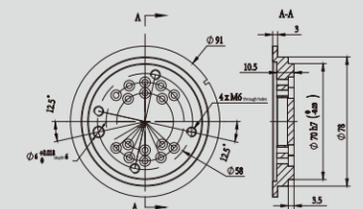J5 Distance between centres of rotation I_{J5} (mm)

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SF20-K1735 Wrist load torque chart

Note: The centre of gravity point of the load should be within the wrist torque diagram when in use