

SF MIMETIC Series | Medium duty robot
Model: SF80 - C2600

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.

Handling	Machine Loading/Unloading	Distribution	Assembly/Subassembly	Palletizing
Polishing	Spraying	Glazing	Gluing	Picking/Packing
				Stamping

J6 Distance between centres of rotation J6(mm)

80Kg 65Kg 50Kg 40Kg

J5 Distance between centres of rotation LJ5(mm)

199

68

Model		SF80-C2600
Structure		Vertically Articulated
Number of Axis		6
Radius		2600mm
Payload		80kg
Repeatability		±0.06mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	160° /s
	J2	110° /s
	J3	120° /s
	J4	162° /s
	J5	180° /s
	J6	300° /s
Range of Motion	J1	±172°
	J2	+72° /-140°
	J3	+160° /-78°
	J4	±360°
	J5	+120°/-120°
	J6	±360°
Allowable Moment	J4	360N.M
	J5	360N.M
	J6	186N.M
Allowable Inertia	J4	52kg.m2
	J5	52kg.m2
	J6	26kg.m2
Protection Rating		IP 65
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size		573*629mm
Height		1898mm
Weight		726KG
Mounting Positions		Floor、Wall、Ceiling
Power Consumption		5.5kVA

Technical drawing of the R2381 robot arm, showing dimensions in millimeters (mm).

Top View Dimensions:

- Overall width: 2964
- Radius of the main circular footprint: R2381
- Radius of the inner circular footprint: R1882
- Distance from the center of the main footprint to the center of the inner footprint: 980
- Distance from the center of the main footprint to the center of the arm base: 583
- Distance from the center of the main footprint to the center of the arm base (along the horizontal axis): 1588.6
- Distance from the center of the main footprint to the center of the arm base (along the vertical axis): 315
- Distance from the center of the main footprint to the center of the arm base (along the horizontal axis): 360
- Distance from the center of the main footprint to the center of the arm base (along the vertical axis): 791
- Distance from the center of the main footprint to the center of the arm base (along the horizontal axis): 220
- Distance from the center of the main footprint to the center of the arm base (along the vertical axis): 170
- Distance from the center of the main footprint to the center of the arm base (along the horizontal axis): 1390.5
- Distance from the center of the main footprint to the center of the arm base (along the vertical axis): 199
- Distance from the center of the main footprint to the center of the arm base (along the horizontal axis): 2600.9
- Angle between the horizontal axis and the line connecting the center of the main footprint to the center of the arm base: 172°

Side View Dimensions:

- Radius of the main circular footprint: R2600.9
- Angle between the horizontal axis and the line connecting the center of the main footprint to the center of the arm base: 172°

Technical drawings of the KUKA KR 1000 R1100 robot arm showing three views: front, side, and top. Dimensions are provided in millimeters.

Front View Dimensions:

- Overall width: 220 mm
- Base height: 583 mm
- Upper arm height: 980 mm
- Wrist height: 170 mm
- Horizontal reach (to center of wrist): 1390.5 mm
- Wrist width: 199 mm

Side View Dimensions:

- Overall height: 1898 mm
- Base width: 701 mm

Top View Dimensions:

- Overall length: 2167 mm

Technical drawing of a circular mechanical part. The front view shows a circular plate with a central hole of diameter 129, an outer diameter of 140, and 10-M8 through holes. A section line A-A is indicated. The cross-section view shows a thickness of 23.5 and a central hole of diameter 60 with a tolerance of +0.012/0.