Mini Robot

EFORT

ER7-700

ER7-700 is a mini robot.

Maxium payload 7 kg with maxium reach 713 mm.

Highlights

High protection level IP65 of the robor body help customers easy to face dusty, oil misty, high humidity and other harsh environment;
Thanks to the high stiffness transmission design and advanced trajectory algorithm, the improved robot accuracy performance helps customers to face variety of application scenarios.

Applications

It can be widely used in handling, sorting, assembly, painting and other applications.

Industries

Suitable for 3C, food and beverage, metal parts, education, plastic, pharmaceutical and other industries.



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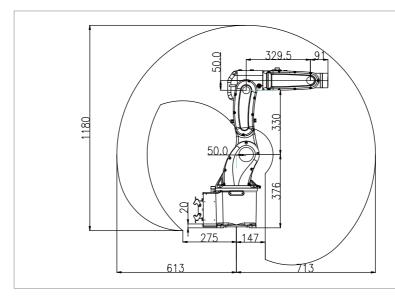
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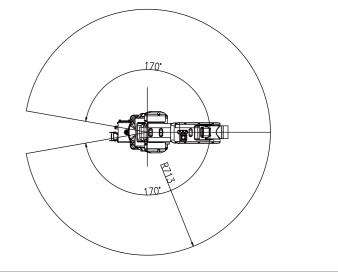
SPECIFICATIONS

Model		ER7-700
Туре		Articulated Type
Controlled Axes		6 Axes
Wrist Payload		7 kg
Repeatability		±0.02 mm
Robot Weight		36 kg
Reach		713 mm
Robot IP Grade		IP65/IP67 (Wrist)
Cabinet IP Grade		IP20
Drive Method		Electric servo drive by AC servo motor
Installation		Floor, Upside-down, Wall mount
Environment Requirements	Ambient Temperature	0~45 ℃
	Humidity	<80%/40℃ (No Condensation)
	Vibration Acceleration	4.9 m/s²(< 0.5 G)

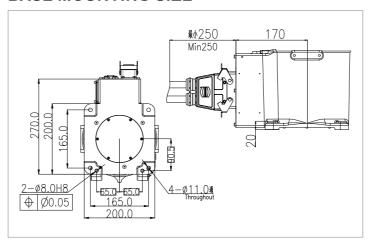
of Inertia J5 0.45 kg.m² J6 0.14 kg.m² J1 380°/sec J2 350°/sec J6 720°/sec J1 ± 170° J2 +80°/-135° J3 +195°/-70° J4 ± 190° J5 ± 120°			
J6		J4	16 N.m
Allowable Moment of Inertia J 4	Allowable Torque	J5	16 N.m
Allowable Moment of Inertia J5		J6	9 N.m
of Inertia J5 0.45 kg.m² J6 0.14 kg.m² J1 380°/sec J2 350°/sec J6 720°/sec J1 ± 170° J2 +80°/-135° J3 +195°/-70° J4 ± 190° J5 ± 120°	Allowable Moment of Inertia	J4	0.45 kg.m²
Maximum Speed J1 380°/sec J2 350°/sec J3 400°/sec J4 450°/sec J5 450°/sec J6 720°/sec J1 ±170° J2 +80°/-135° J3 +195°/-70° J4 ±190° J5 ±120°		J5	0.45 kg.m²
Maximum Speed J2 350°/sec J3 400°/sec J4 450°/sec J5 450°/sec J6 720°/sec J1 ±170° J2 +80°/-135° J3 +195°/-70° J4 ±190° J5 ±120°		J6	0.14 kg.m²
Maximum Speed J3		J1	380°/sec
Maximum Speed J4 450°/sec J5 450°/sec J6 720°/sec J1 ±170° J2 +80°/-135° J3 +195°/-70° J4 ±190° J5 ±120°		J2	350°/sec
Motion Range J4	Marrimore Curead	J3	400°/sec
Motion Range J6 720°/sec J1 ±170° J2 +80°/-135° J3 +195°/-70° J4 ±190° J5 ±120°	waximum Speed	J4	450°/sec
Motion Range J1		J5	450°/sec
Motion Range J2		J6	720°/sec
Motion Range		J1	± 170°
Motion Range J4 ± 190° J5 ± 120°		J2	+80°/-135°
J4 ± 190° J5 ± 120°	Mation Dance	J3	+195°/-70°
	wotion kange	J4	± 190°
16 +360°		J5	± 120°
		J6	± 360°

OPERATING SPACE

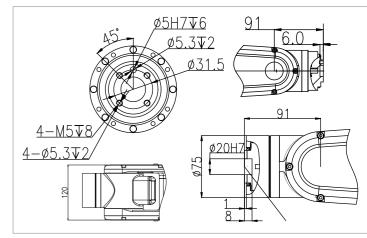




BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



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