

EFORT

■ Highlights

■ Applications

■ Industries

A large, white, articulated industrial robotic arm is shown against a light gray background. The arm is mounted on a white base and has a long, slender upper arm. The word "EFORT" is printed in red on the side of the upper arm. At the end of the arm is a black gripper mechanism. A black sensor unit is mounted on the side of the upper arm. The arm is shown in a slightly raised position.

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Model		ER130-4-2800
Type		Articulated
Controlled axes		4 Axes
Max. payload on wrist		130 kg
Repeatability		±0.1 mm
Robot weight		970 kg
Reach		2816 mm
Robot IP grade		IP54/IP65 (Optional)
Cabinet IP grade		IP54
Installation enviroment	Ambient temperature	0~45 °C
	Ambient humidity	RH≤80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s ² (<0.5 G)

Drive mode		AC servo drive
Installation		Floor, Wall
Allowable load moment at wrist	J 4	36.25 N・m
Allowable load inertia at wrist	J 4	50 kg・m ²
Maximum speed	J 1	110°/sec
	J 2	110°/sec
	J 3	105°/sec
	J 4	330°/sec
Motion range	J 1	±180°
	J 2	+42°/-85°
	J 3	+85°/-55°
	J 4	±360°
	J 2 + J 3	-115°<(J2+J3)<+20°

Technical drawing of the R2000 robot arm, showing front and top views with dimensions.

Front View Dimensions:

- Overall width: 1833
- Overall height: 1381
- Base width: 983
- Base height: 580.63
- Arm length (horizontal): 1100
- Arm length (vertical): 220
- Joint offset (horizontal): 917.62
- Joint offset (vertical): 955.76
- Base width (inner): 400
- Base height (inner): 662
- Arm angle: 135°
- Joint angle: 90°
- Arm end offset: 37.53

Top View Dimensions:

- Overall width: 1200
- Overall height: 1200
- Base width: 1000
- Base height: 1000
- Arm length (horizontal): 1281
- Arm length (vertical): 1018
- Base width (inner): 1000
- Base height (inner): 1000
- Arm angle: 180°
- Joint angle: 90°
- Arm end offset: 37.53

[illegible]

Technical drawing of the end effector assembly, showing two views: a front view (left) and a side view (right).

Front View (Left):

- Top label: 6- M10 深15 均布 (6-M10 Depth 15 uniform distribution)
- Central hole diameter: $\phi 125$
- Inner hole diameter: $\phi 10$ H7 深10 ($\phi 10$ H7 Depth 10)
- Outer hole diameter: $\phi 50$ H7 深10 ($\phi 50$ H7 Depth 10)

Side View (Right):

- Vertical dimension: 247.5
- Horizontal dimension: 220
- Label: 末端执行器安装面 (End effector installation surface)

*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.

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