

ESR10-800Z30

A white Efort robotic arm is shown against a light gray background. The arm has a thick, black, flexible, corrugated hose attached to its upper section. The word "EFORT" is printed in red on the side of the main arm body. The arm is mounted on a white base and has a vertical tool holder at the end.

■ Industries
Suitable for industries such as electronic manufacturing, lithium batteries, automotive electronics, and photovoltaics.

Model		ESR10-800Z30
Reach		800 mm
Max. payload on wrist	Rated	5 kg
	Maximum	10 kg
Robot weight		24.5 kg
Maximum speed	J1+J2	9800 mm/sec
	J3	1500 mm/sec
	J4	2000°/sec
Motion range	J1	±132°
	J2	±150°
	J3	300 mm
	J4	±360°
Repeatability	J1+J2	±0.025 mm
	J3	±0.01 mm
	J4	±0.01°
Standard cycle time		0.46 s
J4 allowable moment of inertia	Rated	0.02 kg•m ²
	Maximum	0.3 kg•m ²
Electric lines		D-Sub 15-Pin
Pneumatic lines		φ4 mmx1,φ6 mmx2
J3 downward force		200 N
Installation		Floor
Installation enviroment	Ambient temperature	5~40°C
	Ambient humidity	RH≤80% (No dew nor frost allowed)

Technical drawing of a mechanical assembly showing a vertical shaft with various features and dimensions. The shaft has a top flange, a conical hole, a flat cut, a through hole, and a mechanical stop diameter. Dimensions include 47, 30, 10, 10, 1mm, 1mm, 18, 25, and 40.

Key features and dimensions labeled in the drawing:

- $\phi 4.90$ 圆锥孔 (Conical hole)
- $\phi 4, 90^\circ$ Conical hole
- 1mm 平面切槽 (Flat cut)
- 1mm flat cut
- 最大 $\phi 18$ 通孔 (Max $\phi 18$ through hole)
- Max $\phi 18$ through hole
- $\phi 25_{-0.030}^0$
- $\phi 40$ 机械停止位直径 (Mechanical stop diameter)
- $\phi 40$ mechanical stop diameter

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