

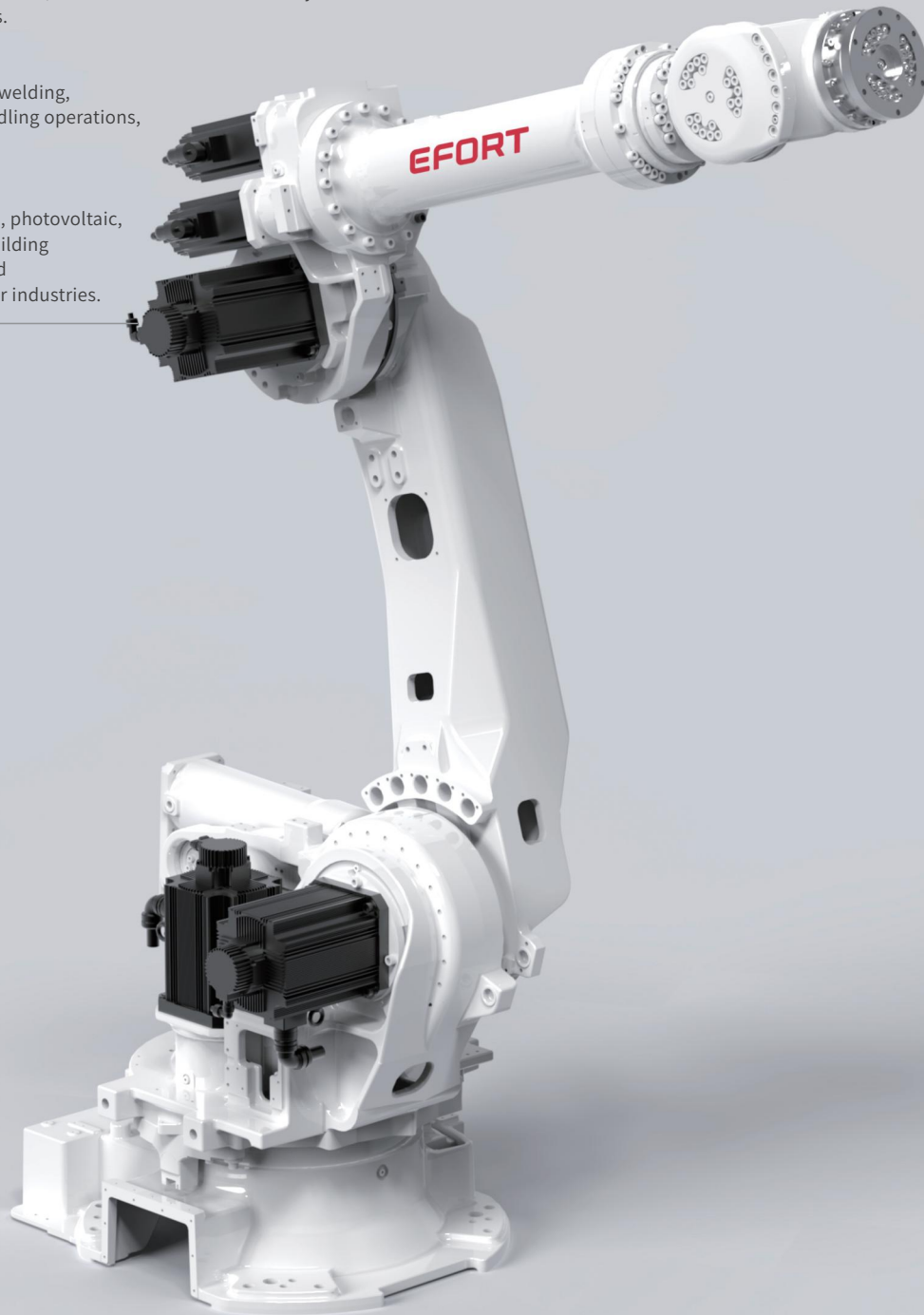
EFORT

■ Highlights

■ Applications

■ Industries

Suitable for auto parts, photovoltaic, food and beverage, building materials, logistics and warehousing and other industries.



PHONE: (00 86) 400-052-8877
ADDRESS: No. 96, Wanchun East Road, Wuhu, China
(Anhui) Pilot Free Trade Zone
WWW.EFORT.COM.CN

Model		ER210-2700
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		210 kg
Repeatability		±0.05 mm
Robot weight		1110 kg
Reach		2674 mm
Robot IP grade		IP65
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor
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)

Allowable load moment at wrist	J4	1337 N•m
	J5	1337 N•m
	J6	720 N•m
Allowable load inertia at wrist	J4	141.1 kg•m ²
	J5	141.1 kg•m ²
	J6	79 kg•m ²
Maximum speed	J1	100°/sec
	J2	90°/sec
	J3	85°/sec
	J4	109°/sec
	J5	105°/sec
	J6	200°/sec
Motion range	J1	±180°
	J2	+60°/-80°
	J3	+90°/-83°
	J4	±360°
	J5	±120°
	J6	±360°

Technical drawing of the KUKA KR 10 robot arm, showing dimensions and interference radiuses.

Dimensions:

- Overall width: 2674
- Overall height: 1686
- Base width: 1847
- Base height: 674
- Shoulder height: 1110
- Shoulder width: 200/170
- Elbow height: 305
- Elbow width: 1260
- Wrist height: 248
- Wrist width: 225
- Arm interference radius: 1027
- Shoulder interference radius: R560
- Point A height: 3060
- Point A width: 1998
- Point A distance from base: 3469
- Point A distance from shoulder: 409

Interference Radiuses:

- Shoulder interference radius: R560 (机架干扰半径)
- Arm interference radius: 1027 (臂干扰半径)

Point A Locus:

- Point A Locus (点A轨迹)
- Point A (点A)

Figure 1: Front view of the component. Dimensions include overall diameter 465, central bore diameter 378, and mounting flange diameter 244. There are 8xØ22 holes in the mounting flange and 2xØ30 holes in the central bore. The drawing is labeled 'Figure 1' and 'Figure 2'.

Figure 2: Side view of the component. The thickness is 40. The drawing is labeled 'Figure 2'.

Technical drawing of the end effector installation surface, showing two views and dimensions:

- Top View (Left):**
 - Overall width: 248
 - Distance from left edge to center: 160
 - Central width: 16
 - Left side feature: $\varnothing 180$ (outer), $\varnothing 60H7$ (inner), C0.5 (fillet)
 - Feature A: $\varnothing 0.04$ (Depth 15)
- Side View (Right):**
 - Overall width: 159
 - Distance from left edge to center: 128
 - Central width: 160
 - Right side feature: $\varnothing 160$ (outer), $\varnothing 10H7$ (inner), 85 (depth), 85 (height)
 - Feature A: $\varnothing 0.04$ (Depth 15)
 - Feature B: $6 \times M10$ (Depth 16)

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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