

# ECR5

EFORT

## ECR5,

Maxium payload 5 kg with maxium reach 928 mm, Repeatability  $\pm 0.03$  mm.

### Highlights

Multiple safety design in both hardware and software with sensitive collision detection, helps realize fenceless human-machine cooperative operation.

Note: Safety features are designed according to ISO 13849 PLD, Cat.3 safety criterias;

The agile and easy-to-use drag teaching function greatly simplifies the programming and manipulation the robot. Thanks to the lightweight structure design, customers can achieve rapid deployment and flexible production management; Thanks to our origin of industrial robots, ECR 5 accuracy grade and operation stability can be comparable to that of industrial robots with the same load.

### Applications

It can be used in handling, sorting, assembling, machine tending, etc.

### Industries

Suitable for 3C, food and beverage, metal parts, education, plastic, pharmaceutical and other industries, can also be used in consumer industries.

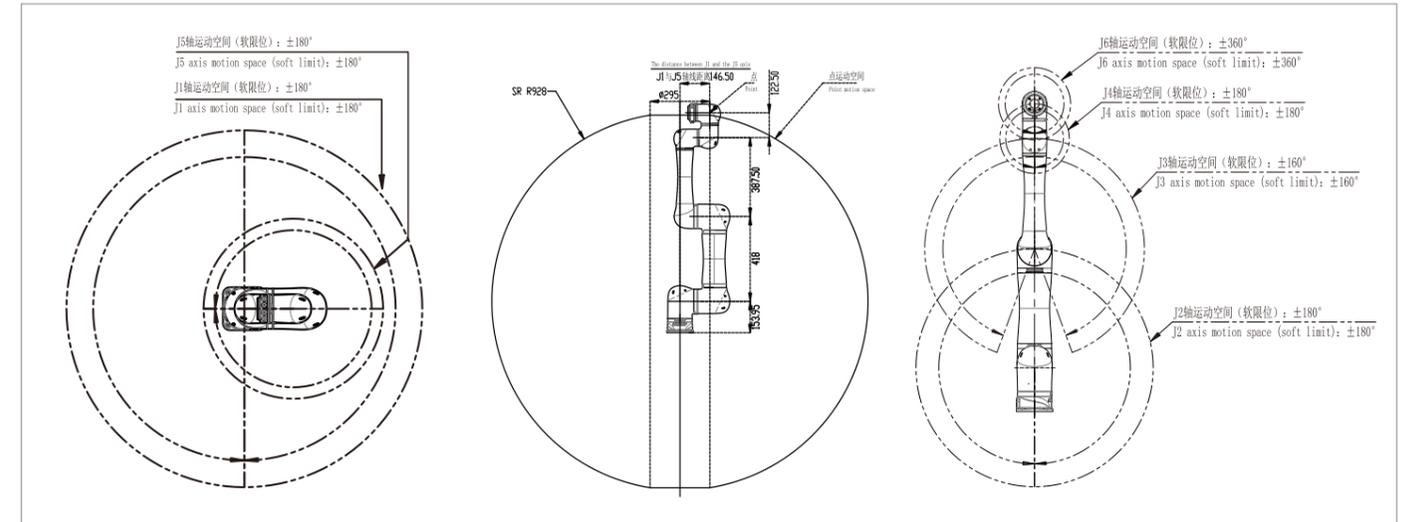


## SPECIFICATIONS

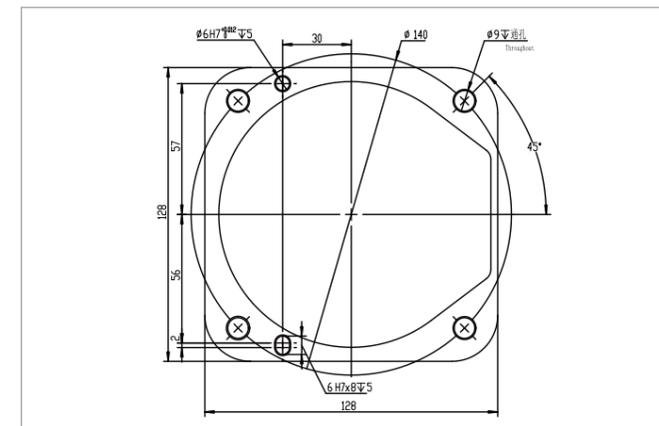
Model	ECR5	
Type	Articulated	
Controlled axes	6 Axes	
Max. payload on wrist	5 kg	
Repeatability	$\pm 0.03$ mm	
Robot weight	20.5 kg	
Reach	928 mm	
Robot IP grade	IP54	
Cabinet IP grade	IP40	
Drive mode	Low-voltage servo drive	
Installation	Floor, Upside-down, Wall, Angle	
Installation enviroment	Ambient temperature	0~50 °C
	Ambient humidity	RH $\leq$ 80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s <sup>2</sup> (<0.5 G)

Allowable load moment at wrist	J4	19 N·m
	J5	13 N·m
	J6	13 N·m
Allowable load inertia at wrist	J4	0.8 kg·m <sup>2</sup>
	J5	0.4 kg·m <sup>2</sup>
	J6	0.4 kg·m <sup>2</sup>
Maximum speed	J1	150°/sec
	J2	150°/sec
	J3	150°/sec
	J4	180°/sec
	J5	180°/sec
	J6	180°/sec
Motion range	J1	$\pm 180^\circ$
	J2	$\pm 180^\circ$
	J3	$\pm 160^\circ$
	J4	$\pm 180^\circ$
	J5	$\pm 180^\circ$
	J6	$\pm 360^\circ$

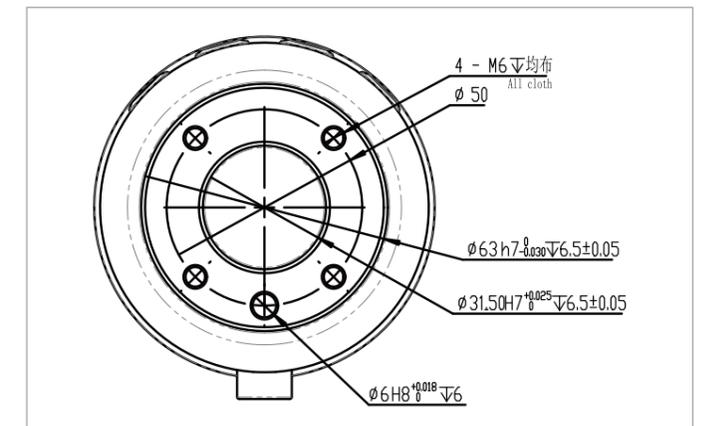
## OPERATING SPACE



## BASE MOUNTING SIZE



## END FLANGE MOUNTING SIZE



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