RER10-4-900

RER10-4-900,
Maxium payload 10 kg with maxium reach 860 mm.

Highlights

The high inertia design of the robot wrist significantly enhances stability during high-speed movements, coupled with advanced kinematic algorithms, resulting in a remarkable 25% improvement in takt time.

Thanks to its industry-leading joint seal construction and innovative oil leakage prevention design, the robot is exceptionally well-suited for scenarios with stringent cleanliness requirements, providing customers with peace of mind.

The addition of the 4th rotation axis enhances flexibility, allowing for a wide range of mounting positions for the robot.

Applications

This robot is primarily designed for handling operations.

Industries Suitable for

The robot is well-suited for industries such as PCB manufacturing, 3C (Consumer Electronics, Computers, Communication), plastic processing, metal parts handling, and various other sectors where precise and efficient automation is required.

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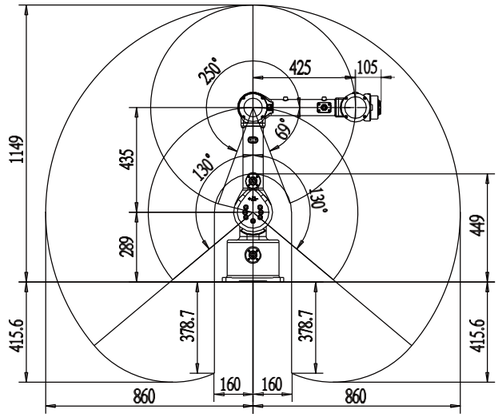
SPECIFICATIONS

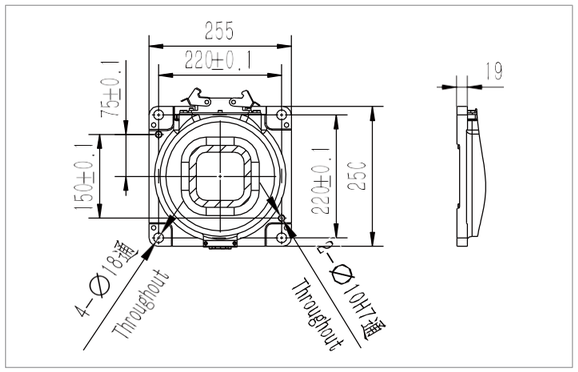
Model		RER10-4-900
Type		Articulated
Controlled axes		4 Axes
Max. payload on wrist		10 kg
Repeatability		±0.05 m m
Robot weight		35 kg
Reach		860 m m
Robot IP grade		IP54
Cabinet IP grade		IP20
Installation enviroment	Ambient temperature	0~45 ℃
	Ambient humidity	RH≤80%（No dew nor frost allowed）
	Vibration acceleration	4.9 m/s²（＜0.5 G）

Drive mode		AC servo drive
Installation		Upside-down
Allowable load moment at wrist	J 3	20 N·m
	J 4	8 N·m
Allowable load inertia at wrist	J 3	1.5 kg·m²
	J 4	0.8 kg·m²
Maximum speed	J 1	300°/sec
	J 2	320°/sec
	J 3	380°/sec
	J 4	600°/sec
Motion range	J 1	±130°
	J 2	+250°/-69°
	J 3	±130°
	J 4	±360°

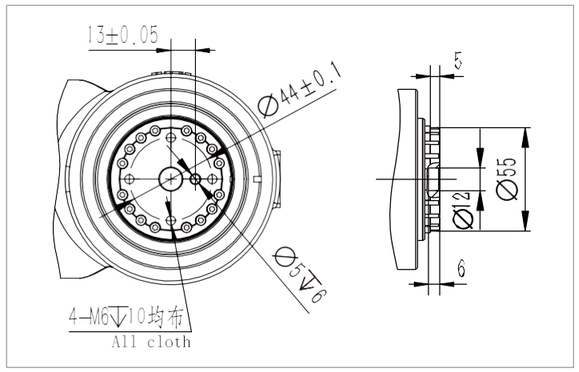
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



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