

Atmospheric Robot

RR701 SERIES



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J.PAT. No.2739413

RR701L1211-204



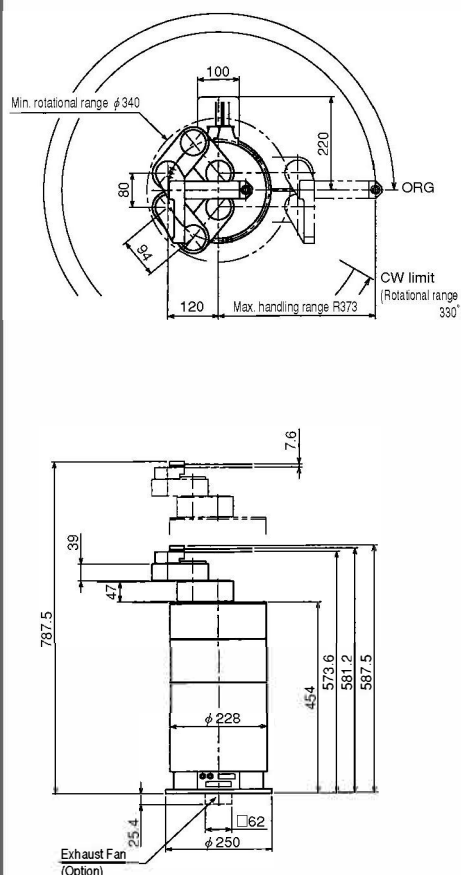
WATER RESISTANT TYPE - Patent Pending

RR701L0951-204

FEATURES

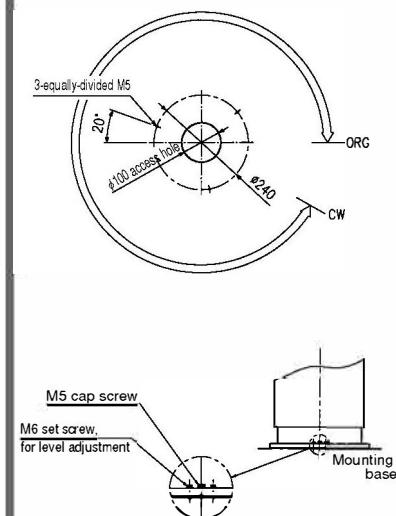
1. The dual-arm configuration saves time in exchanging wafers on process stages.
2. The S-curve acceleration/deceleration control speeds up the wafer handling process.
3. Using a Ferro fluidic seal on the arm joints minimizes the particle generation.
4. Three versions are available with a Z-axis stroke of 20mm, 200mm or 300mm.

PRODUCT DIMENSIONS

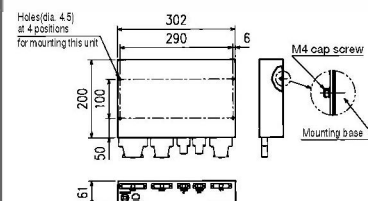


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MOUNTING DIMENSIONS



Control unit



SPECIFICATIONS

Model	Robot Specifications										
	Operation range			Handled object	Repeatability (in the same direction)			Operation time			Mass of main body (kg)
	R-axis (mm) <small>Note1</small>	θ-axis (°)	Z-axis (mm)		R-direction (mm)	θ-direction (°)	Z-direction (mm)	R-direction (sec)	θ-direction (sec)	Z-direction (sec)	
RR701L0911-021	R373	330	20	φ100~ φ300mm wafer (200g)	±0.05	±0.008	±0.02	0.7	1.3	0.6	19
L0911-204			200							2.0	26
L1211-021	R427		20					0.8	1.5	0.6	23
L1211-204			200							2.0	30
L1211-303			<small>Note3</small> 300							3.0	34
L1521-204	R512		200			±0.012		1.0	1.8	2.0	36
L1521-303	R582		<small>Note3</small> 300							3.0	40

■ Power source: Electrical 24V 12A and over. Vacuum pressure: -40kPa~-80kPa, / Flow rate: 10liters/min and over.

Note1: Robot operation area may differ depending on wrist and finger.

Note2: Time needed for the R direction to fully extend, the theta direction to rotate 330° and the Z direction to perform the Z-axis stroke.

Note3: For the Z-axis 300mm stroke robot, you can choose the type of mounting base to use.

Note4: The measurement of the described data above was performed on this product itself, so the data may be different, if this product is used in a system.