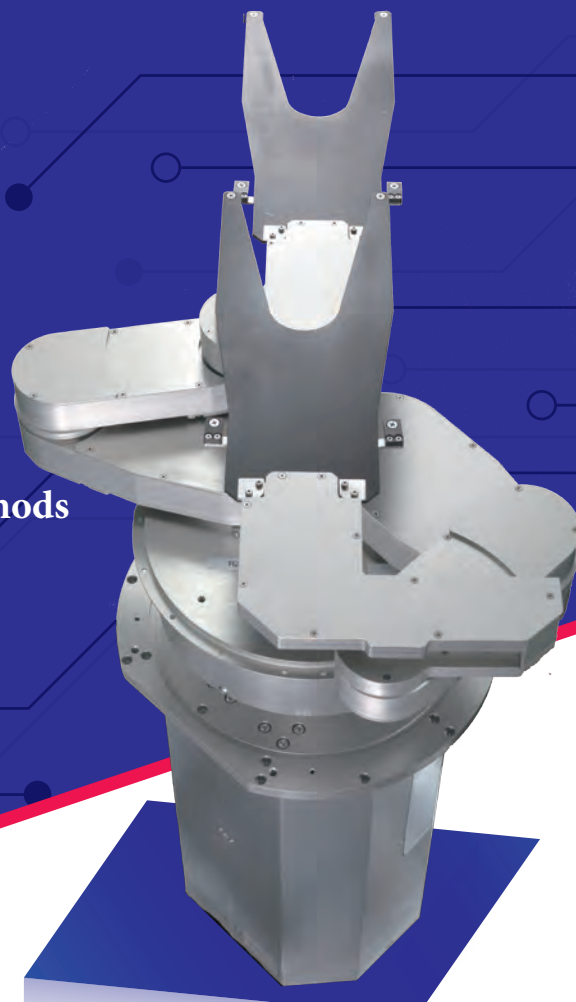


GM201 Series

- ✔ High Precision、 High Cleanliness
- ✔ Suitable For Weak Acid And Weak Alkali Industrial Control Environments
- ✔ Features Collision Protection
- ✔ Provides Multiple Wafer Transmission Methods
- ✔ Protection Rating IP21
- ✔ Can Be Used With Track
- ✔ End Effector Can Be Customized



Robot Specifications

PROJECT		SPECIFICATION
Applicable Wafer Size		300mm/200mm
Number Of Axes		4 Axis
Liftable Weight ⁽¹⁾ (Standard End Effector+Wafer)/(Each End Effector)		0.8kg
Range Of Motion	R Axis (extension)	650mm ⁽²⁾
	S Axis (rotation)	360°
	Z Axis (lift/relief)	400mm
Repeat Positioning Accuracy ⁽³⁾	R Axis (extension)	p-p 0.1mm
	S Axis (rotation)	
	Z Axis (lift/relief)	
Maximum Speed (Acceleration/Deceleration Time ⁽⁴⁾)	R Axis (extension)	260°/s=1452 mm/s (0.2s)
	S Axis (rotation)	290°/s (0.2s)
	Z Axis (lift/relief)	300 mm/s (0.2s)
Minimum Rotation Diameter ⁽⁵⁾		540mm
Cleanliness Level		ISO Class1 ⁽⁶⁾
Motor		24-bit Absolute Encoder AC200V、 Z Axis With Brake
Compressed Air Requirements Specifications		0.21 ~ 0.29MPa, 20 L/min
Compressed Air Atmospheric Pressure Dew Point Temperature		-73 ~ 40°C
Reference Weight Of The Body		42kg

Controller Specifications

PROJECT	SPECIFICATION
External Dimensions	W337*D345.5*H194.5mm (Excluding Protrusions)
Quality	Under 15kg
Input Power	Single Phase 200~230VAC (50/60Hz) Frequency Fluctuation: +/-2Hz Rated Current: 10A
Grounding	Grounding Resistance Less Than Or Equal To 100Ω Equipment Protective Grounding (0.1Ω Or Less)
Work / Storage Temperature	0°C~40°C/-10°C~60°C
Operate / Storage Humidity	Maximum 90%RH (Non-Condensing)
Vibration / Shock Resistance	9.8m/sec ² /49m/sec ²
Altitude	Under 1000m
Gas Environment	No Explosive, Flammable And Corrosive Gases, No Dirt Or Dust, Pollution Level 1 (IEC60664-1)
Communication	Ethernet
AC Servo Drive	Yaskawa Σ7 Servo Driver
IO Specification Digital Input	32 Input (X61:16 Input, X62:16 Input) Drain/Source Input Dual-purpose
IO Specification Digital Output	32 Output (X61:16 Input, X62:16 Input)

Product Layout

