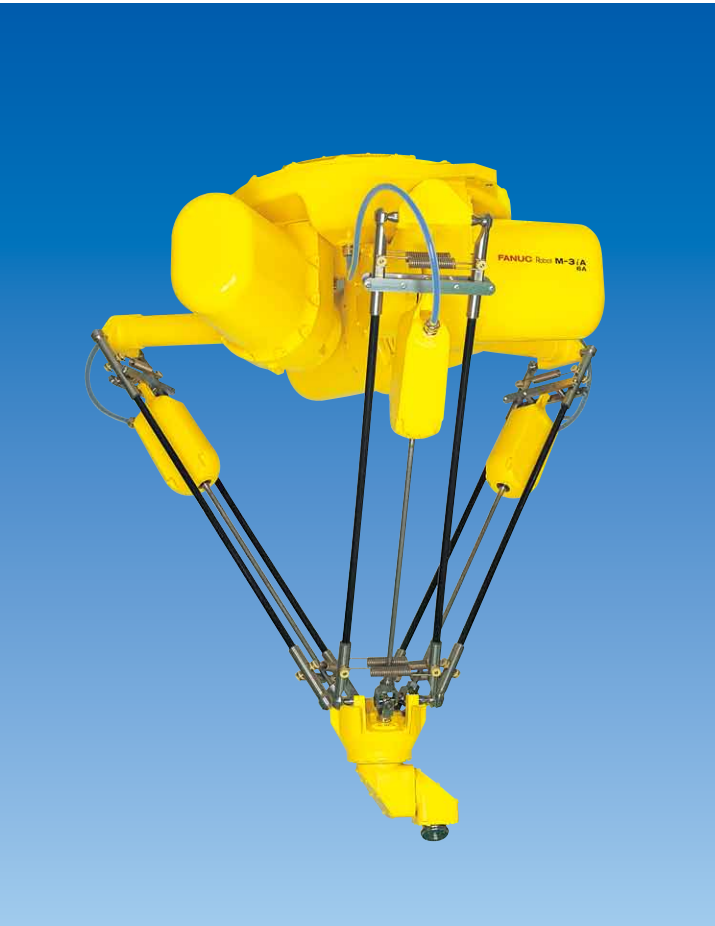


## FANUC Robot M-3*i*A



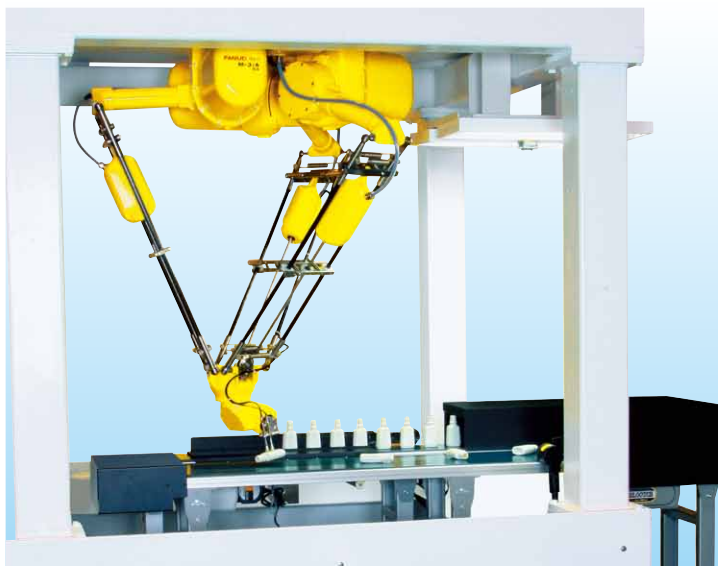
### FEATURES

FANUC Robot M-3*i*A is a large-sized parallel link robot for high speed picking and assembly.

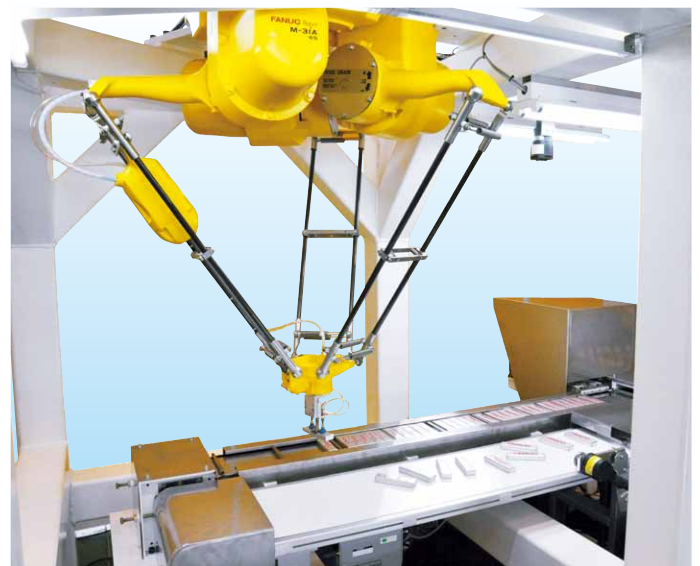
The exclusive 6 axes type of parallel link robot expanded robotization of transferring and assembling application.

- Three models are available to meet a variety of applications.
  - FANUC Robot M-3*i*A/6S  
Total 4 axes robot including single axis rotation at wrist. The maximum payload is 8kg (option), suitable for high speed arranging and handling of multi work pieces at the same time on the conveyor.
  - FANUC Robot M-3*i*A/6A  
Total 6 axes robot including three rotation axes at wrist. This model can change wrist direction freely and suitable for assembling application.
  - FANUC Robot M-3*i*A/12H  
Total 3 axes and 12kg payload robot without rotation axes at wrist. This model is suitable for super high speed picking of plenty work pieces on the conveyor.
- IP67 of enclosed mechanical unit realized reliable water and dust proof ability.
- Food adaptation option is available that adopts suitable material, high durability surface treatment and food grade lubricant. It will progress robotization of food market.
- The latest intelligent functions can be applied using *i*RVision (integrated vision) or force sensor.

### Application system



Standing the bottles by M-3*i*A/6A



High speed arranging the foods by M-3*i*A/6S

# FANUC Robot M-3iA

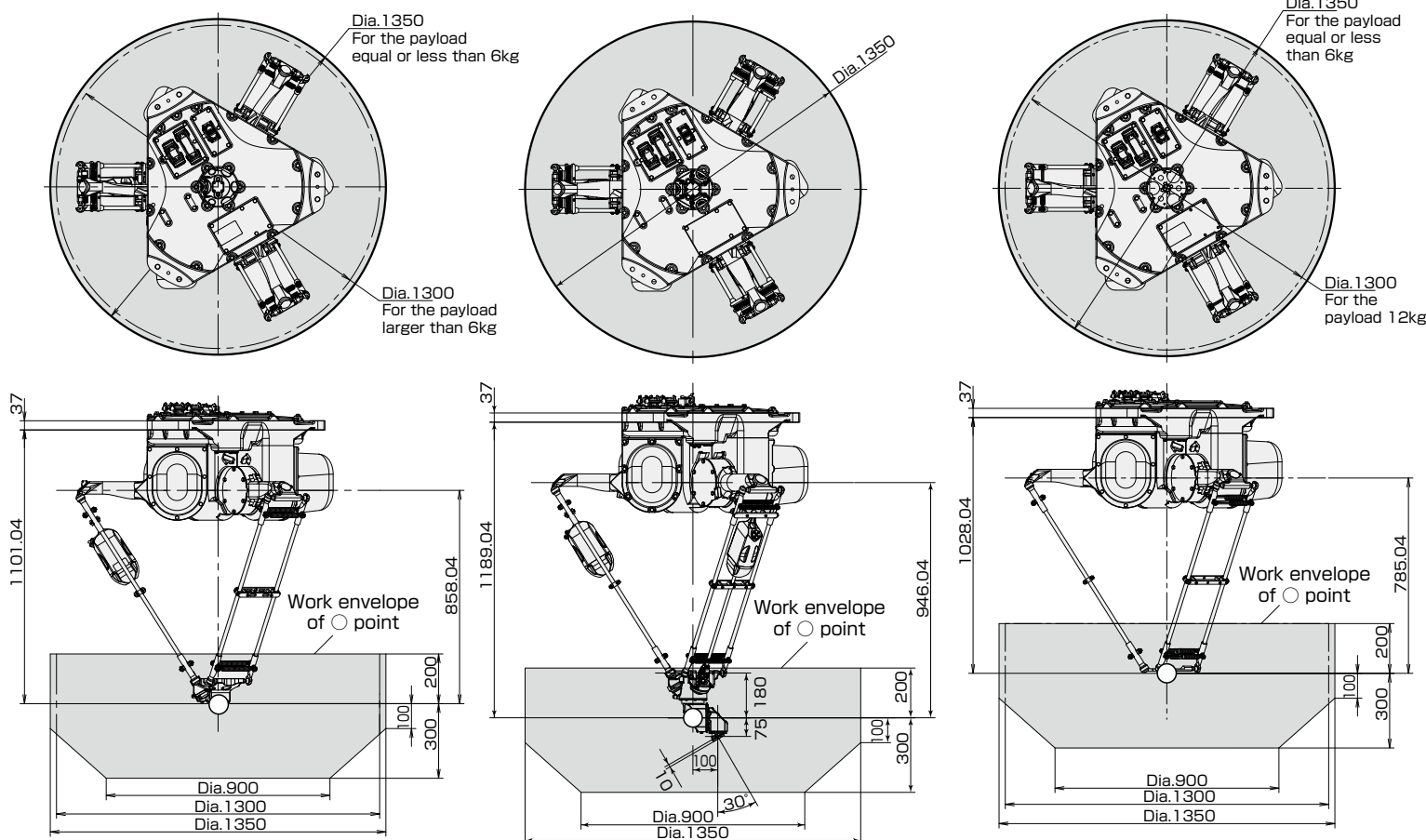
## Operating space

Patent

M-3iA/6S

M-3iA/6A

M-3iA/12H



## Specifications

Item	Specifications		
	M-3iA/6S	M-3iA/6A	M-3iA/12H
Type	Parallel link mechanism		
Controlled axes	4 axes (J1, J2, J3, J4)	6axes (J1, J2, J3, J4, J5, J6)	3axes (J1, J2, J3)
Installation	Ceiling mount		
Motion range	Diameter 1,350mm, height 500mm (Note 3)		
Repeatability	J1-J3	720° (2000°/s) 12.57 rad (69.81 rad/s)	—
Drive method	J4	300° (2000°/s) 5.24 rad (34.90 rad/s)	—
Mass (Note2)	J5	720° (2000°/s) 12.57 rad (34.90 rad/s)	—
Max.payload at wrist	J6	—	—
Repeatability	6kg (8kg with an option)	6kg	12kg
Drive method	Electric servo drive by AC servo motor		
Mass (Note2)	160 kg	175 kg	155 kg
Installation environment	Ambient temperature : 0~45℃ Ambient humidity : 75%RH or less (No dew, nor frost allowed) Short term : Max. 95%RH or less (within one month) Vibration : 4.9m/s <sup>2</sup> (0.5G) or less		

Note 1) In case of short distance motion, the axis speed doesn't reach maximum one.

Note 2) Without controller.

Note 3) For M-3iA/6S and M-3iA/12H, in case the payload is larger than 6kg, there is a limitation on the work envelope.

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