

FANUC Robot *M-2iA*



FEATURES

FANUC Robot *M-2iA* is a medium-sized parallel link robot for high speed picking and assembly.

- Six models are available to meet a variety degree of freedom at wrist and operating space.
 - FANUC Robot *M-2iA/3A*, *M-2iA/3AL*
Using 3 axes at wrist, this model is suitable for complicated task, for example, arranging and assembling operations which need to change posture freely.
 - FANUC Robot *M-2iA/3S*, *M-2iA/3SL*
Using single axis rotation at wrist, this model is suitable for high speed picking of plenty work pieces on the conveyor while aligning direction of each work piece.
 - FANUC Robot *M-2iA/6H*, *M-2iA/6HL*
It is a total 3 axes robot without rotation axis at wrist with 6kg payload. This model is suitable for super high speed picking of work pieces.
 - Among above six models, *M-2iA/3AL*, *M-2iA/3SL* and *M-2iA/6HL* cover wider operating area with its longer arm.
- Withstand a high pressure stream cleaning with IP69K of enclosed mechanical unit.
- Food option is available with appropriate materials and surface treatment for food sanitation as well as food grade grease. It contributes to the automation in the food market.
- Latest intelligent functions can be applied using vision sensor or force sensor.

Application system



Fast arranging of food by *M-2iA/3S*



Fast packaging of gift box by *M-2iA/3A*

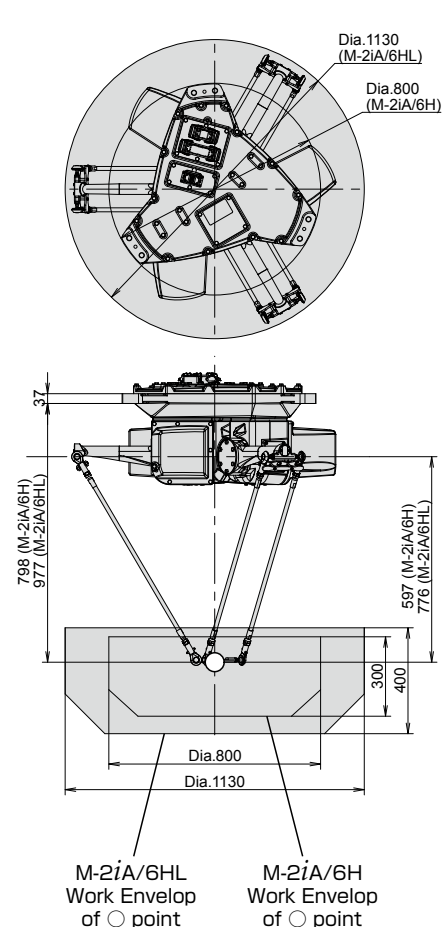
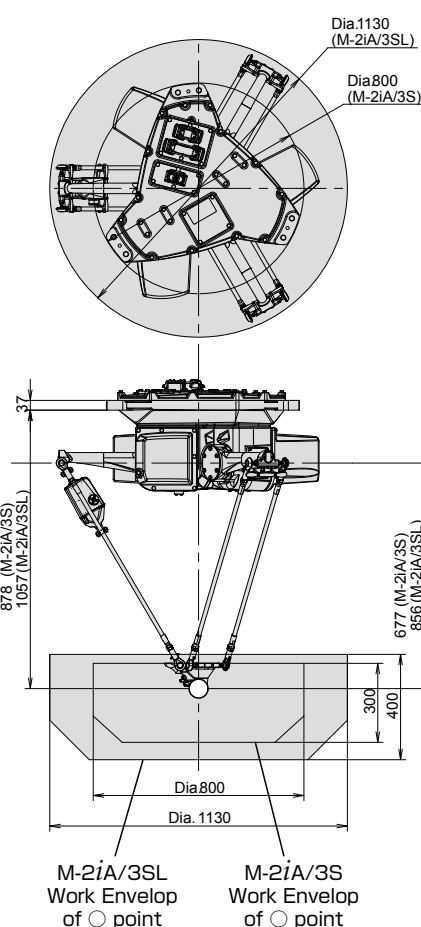
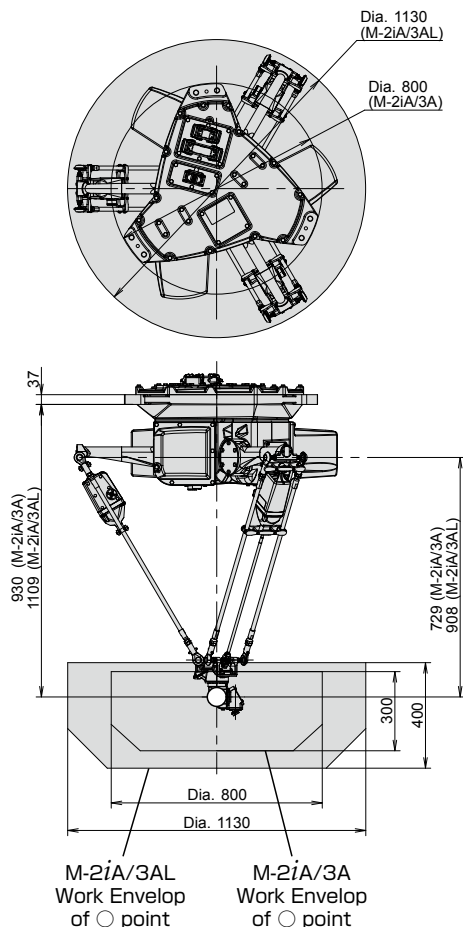
FANUC Robot M-2iA

Operating space

M-2iA/3A, M-2iA/3AL

M-2iA/3S, M-2iA/3SL

M-2iA/6H, M-2iA/6HL



Specifications

Item	Specifications		
	M-2iA/3A, M-2iA/3AL (Note3)	M-2iA/3S, M-2iA/3SL (Note3)	M-2iA/6H, M-2iA/6HL (Note3)
Type	Parallel link mechanism		
Controlled axes	6 axes (J1, J2, J3, J4, J5, J6)	4 axes (J1, J2, J3, J4)	3 axes (J1, J2, J3)
Installation	Ceiling mount		
Motion range (Maximum speed) (Note1)	J1-J3	Diameter 800 mm, height 300 mm (Note3 Diameter 1130 mm, height 400 mm)	
	J4	720° (1700°/s) 12.57 rad (29.67rad/s)	720° (3500°/s) 12.57 rad (61.06rad/s)
	J5	300° (1700°/s) 5.24 rad (29.67rad/s)	-
	J6	720° (1700°/s) 12.57 rad (29.67rad/s)	-
Max. payload at wrist	3 kg	3 kg	6 kg
Repeatability	± 0.1 mm		
Drive method	Electric servo drive by AC servo motor		
Mass (Note2)	140 kg	130 kg	125 kg
Installation environment	Ambient temperature : 0~45°C		
	Ambient humidity		
	Normally : 75%RH or less (No dew, nor frost allowed)		
	Short term : Max. 95%RH or less (within one month)		
	Vibration : 4.9 m/s ² (0.5G) or less		

Note 1) In case of short distance motion, the axis speed may not reach the maximum value stated.

Note 2) Without controller.

Note 3) For long arm specification (M-2iA/3AL, M-2iA/3SL, M-2iA/6HL).

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