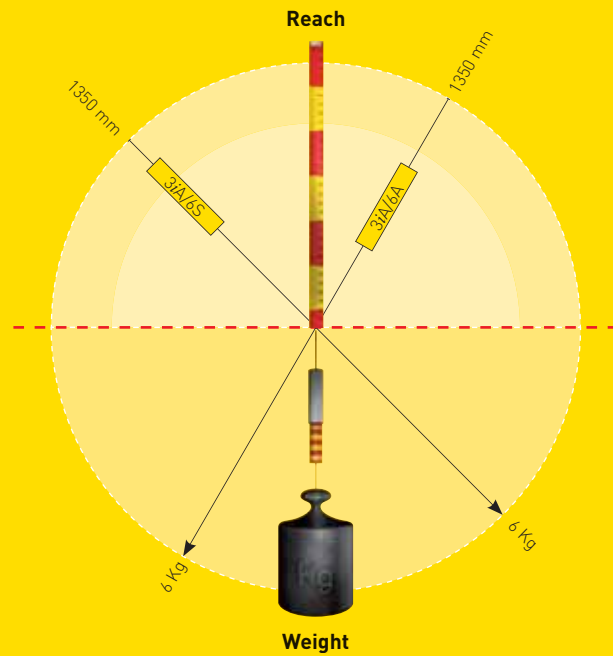


# M-3iA SERIES

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	Robot model	Controller	Controlled axes	Max. load capacity at wrist [kg]	Repeatability [mm]	Mechanical weight [kg]	Reach [mm]	Motion range [°]						Maximum speed [°/s]						J4 Moment [Nm]/ Inertia [kgm <sup>2</sup> ]	J5 Moment [Nm]/ Inertia [kgm <sup>2</sup> ]	J6 Moment [Nm]/ Inertia [kgm <sup>2</sup> ]	IP Rating
								J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				
M-3iA	M-3iA/6S	R-30iA / R-30iA Mate "Open Air"	4	6	± 0.1	140	diameter 1350 mm , height 500 mm				720	—	—	—	—	—	4000	—	—	refer to wrist load diagram	IP67		
	M-3iA/6A		6	6	± 0.1	153					720	300	720	—	—	—	2000	2000	2000				



#### Available in two versions:

- M-3iA/6S, single rotation axis for high speed picking, (total 4 axes)
- M-3iA/6A, three axis wrist for flexible assembling, (total 6 axes)

THE FANUC ROBOT M-3iA IS A 6KG PAYLOAD HIGH SPEED PICKING AND ASSEMBLY ROBOT, AVAILABLE WITH 3 AXIS WRIST AND AVAILABLE AS A FOOD SAFE ROBOT (OPTION).

## » FEATURES AND BENEFITS

### M-3iA Series, the solution for:

- Small parts handling
- Machine load/unload operations
- Assembly of electronic and mechanical devices
- Flexible parts feeding
- Picking and packaging

### NOVEL DELTA ROBOT FOR A VARIETY OF APPLICATIONS

- Up to 6 kg payload for handling and picking bolts, printed circuit boards etc.
- 1350 mm diameter by 500 mm motion range with no dead zones ideal for automation of tasks which need the full flexibility

### FANUC ROBOT M-3iA/6S

Total 4 axis robot including single axis rotation at wrist. This model is suitable for high speed picking of multiple work pieces from conveyors

### FANUC ROBOT M-3iA/6A

Total 6 axis robot including three rotation axis at wrist. This model can change wrist direction freely as required for assembly applications

### TOP THROUGHPUT AND NIMBLE 6-AXES MOTION

- Highest productivity for assembly and picking applications
- Lightweight mechanism with best cycle times
- Unique 6-axis parallel link arm mechanism allows to automate difficult tasks

### COMPACT AND INTELLIGENT

- IP67 graded enclosed mechanical unit with proven water and dust proof ability
- iRVision integrated

### SPECIAL UNIT M-3iA FOOD

### DESIGNED FOR FOOD AND PHARMACEUTICAL INDUSTRIES CLEANING REQUIREMENTS

- Food option is available with high durability surface treatment and food grade lubricant. It facilitates the robotic automation of the food market.

### FOOD GRADE GREASE

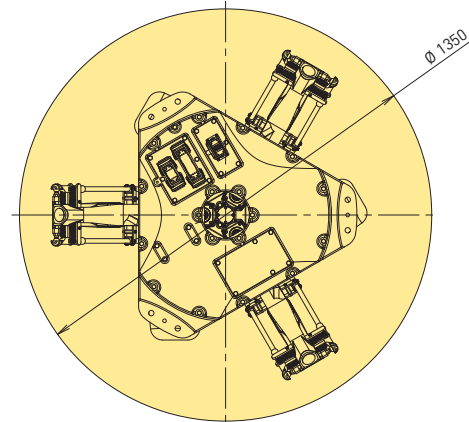
- Special food grease to avoid any risk of damaging food with grease or oil



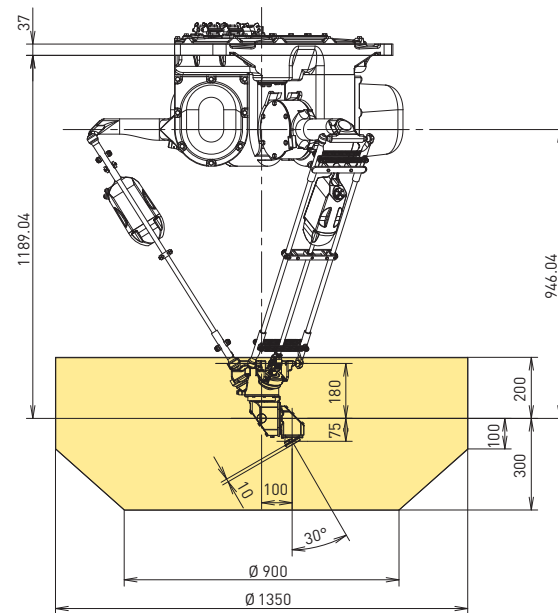
# Dimensions

## M-3iA/6A

Top



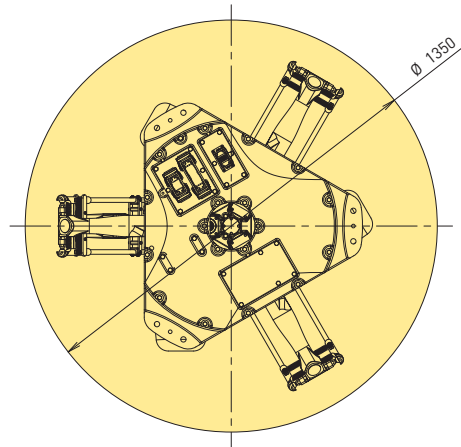
Side



# » Dimensions

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## M-3iA/6S

**Top****Side**