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Kawasaki Robotics website
<https://kawasakirobotics.com/>



Kawasaki Robotics brand site XYZ
<https://robotics.kawasaki.com/ja1/xyz/en/>



Kawasaki Robostage (showroom)
<https://robotics.kawasaki.com/ja1/robostage/en.html>



Kawasaki Robot

Picking Robots

- Small-to-medium robots
up to 80kg payload
- Large robots
up to 300kg payload
- Extra large robots
up to 1,500kg payload
- Dual-arm Collaborative robots
- Explosion-proof painting robots
- Sealing robots
- Arc welding robots
- Palletizing robots
- Medical & pharmaceutical robots
- Picking robots**
- Wafer transfer robots

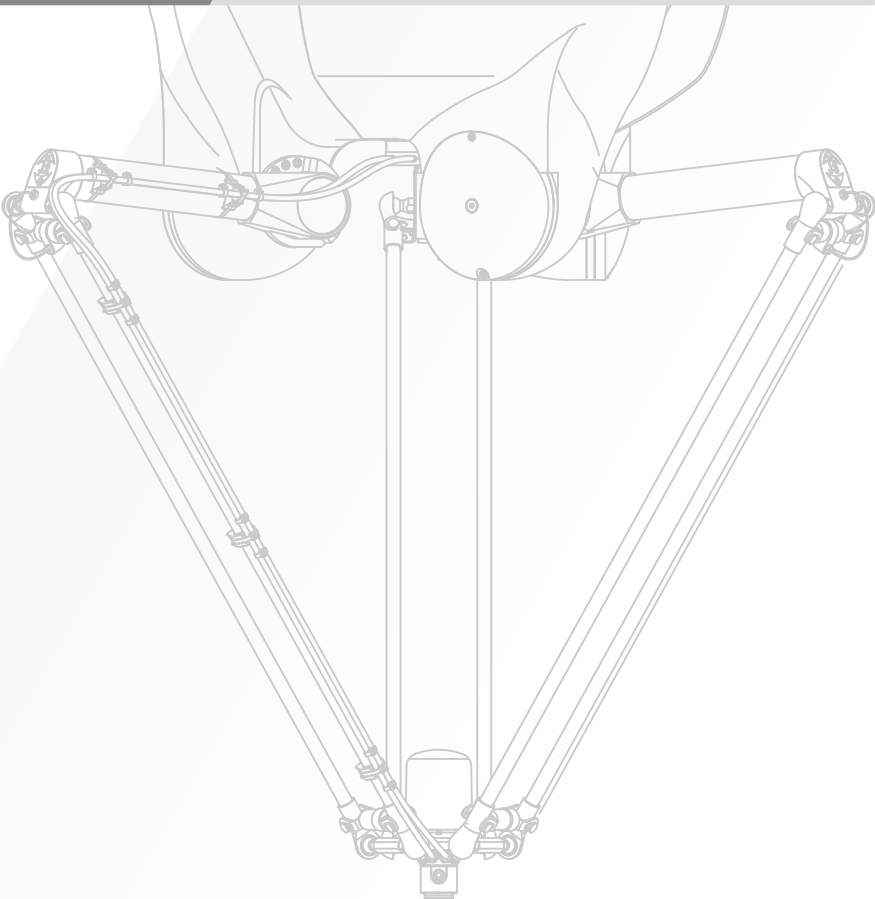


**CAUTIONS TO BE TAKEN
TO ENSURE SAFETY**

- For those persons involved with the operation / service of your system, including Kawasaki Robot, they must strictly observe all safety regulations at all times. They should carefully read the Manuals and other related safety documents.
- Products described in this catalogue are general industrial robots. Therefore, if a customer wishes to use the Robot for special purposes, which might endanger operators or if the Robot has any problems, please contact us. We will be pleased to help you.
- Be careful as Photographs illustrated in this catalogue are frequently taken after removing safety fences and other safety devices stipulated in the safety regulations from the Robot operation system.



ISO certified in Akashi Works and Nishi-Kobe Works.



* Materials and specifications are subject to change without notice.

Picking Robots

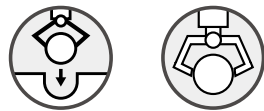
The Y series pick & place robots are used in food, pharmaceutical, cosmetic, electric, electronics and machine parts industries.
The YF002N is compact, while the YF003N has a long motion range.

YF series



YF003N

【Applications】



Assembling Handling

Features

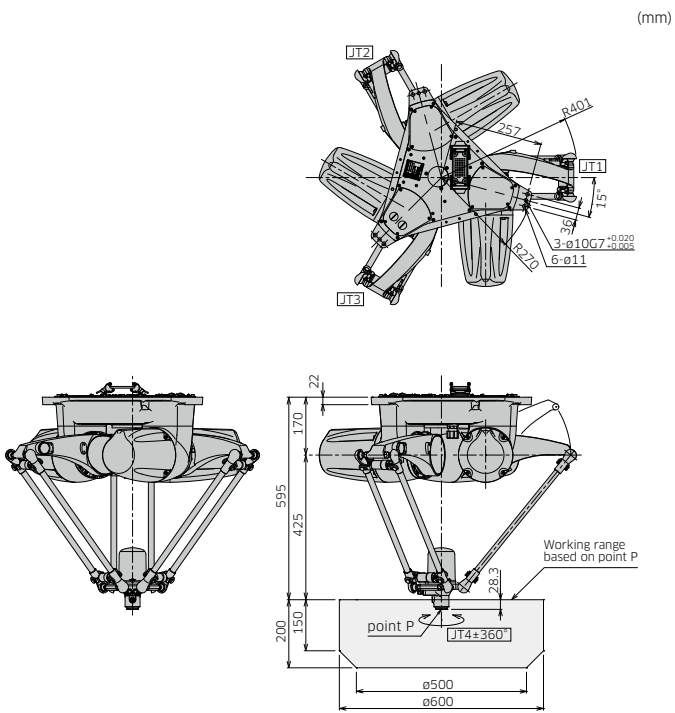
- The compact YF002N and long motion-range YF003N achieve high-speed pick & place. Both models use grease and oil for food-processing machinery.
- Wash-down with acid or alkaline cleanser is possible (the YF003N).

YF002N

Standard Specifications

Type	Parallel link type
Degree of freedom (axes)	4
Payload (kg)	2
Position repeatability*1 (mm)	±0.04
Angular repeatability (°)	±0.1
Motion range (mm)	φ600×H200
Cycle Time*2 (Payload)	0.3s (0.5kg), 0.36s (2kg)
Mass (kg)	60
Mounting	Ceiling
Installation environment	Ambient temperature (°C) 10 - 35 Relative humidity (%) 35 - 85 (No dew, nor frost allowed)
Degree of protection	IP65 or equivalent
Controller/Power requirements	F01/5.6 kVA

*1: Conforms to ISO9283
*2: Motion Pattern (25mm up, 305mm horizontal, 25mm down in a to-and-fro motion)



Controller

F01

Features

- The F01 controller has common specifications to be used globally.
- Performance and expandability have been greatly enhanced from its previous E-controller. Yet, the size and weight are much smaller.

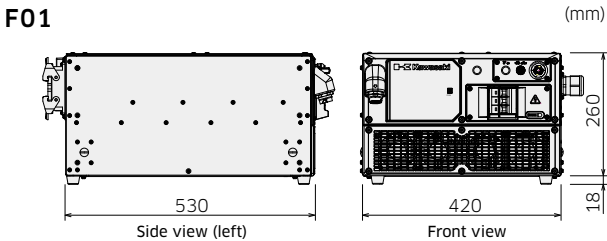
Standard Specifications

Dimensions (mm)	W420×D530×H278
Type	Enclosed type, indirect cooling system (IP54 or equivalent)
Controlled (axes)	6
Memory capacity (MB)	16
I/O signals	External operation Motor power off, Hold
Input (Channels)	32
Output (Channels)	32
Cable length	Teach pendant (m) 5
Robot-controller (m)	5
Mass (kg)	20
Power requirements	AC200V - AC220V ±10%, 50/60Hz, 3Φ AC200V - AC230V ±10%, 50/60Hz, 1Φ *1 Max. 5.6kVA
Installation environment	Ambient temperature (°C) 0 - 45 Relative humidity (%) 35 - 85 (No dew, nor frost allowed)
Teach pendant	Color LCD display with touch-panel, E-Stop switch, Teach lock switch, Enable switch
Operation panel	E-stop switch, teach/repeat switch

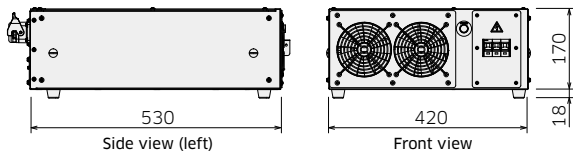
*1: 200V single phase is available for some robot models only.



External view and Dimensions



Transformer unit *Option



YF003N

Standard Specifications

Type	Parallel link type
Degree of freedom (axes)	4
Payload (kg)	3
Position repeatability*1 (mm)	±0.1
Angular repeatability (°)	±0.1
Motion range (mm)	φ1,300×H500
Cycle Time*2 (Payload)	0.27s (1kg), 0.45s (3kg)
Mass (kg)	145
Mounting	Ceiling
Installation environment	Ambient temperature (°C) 0 - 45 Relative humidity (%) 35 - 85 (No dew, nor frost allowed)
Degree of protection	IP65 or equivalent
Controller/Power requirements	F01/5.6kVA

*1: Conforms to ISO9283
*2: Motion Pattern (25mm up, 305mm horizontal, 25mm down in a to-and-fro motion)

