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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>



#### 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.

# Kawasaki Robot

## Delta Robots

Small-to-medium robots  
up to 80kg payload

Large robots  
up to 300kg payload

Extra large robots  
up to 1,500kg payload

Explosion-proof painting robots

Sealing robots

Arc welding robots

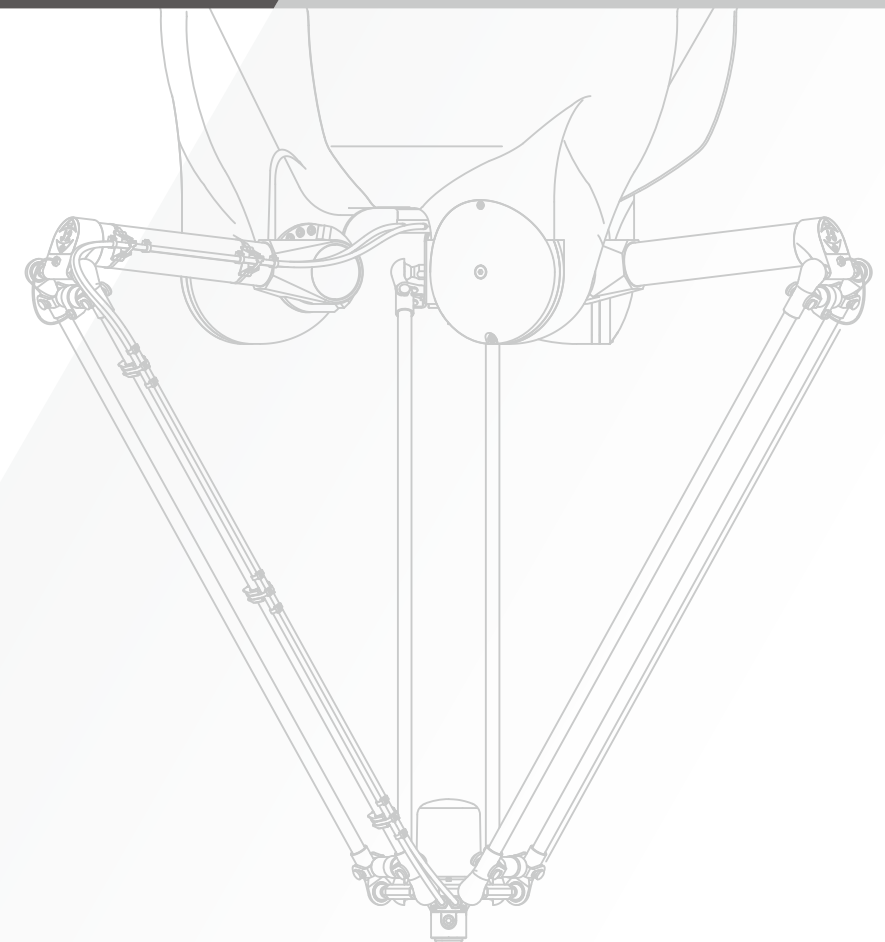
Palletizing robots

Medical & pharmaceutical robots

Delta robots

Wafer transfer robots

Collaborative robots



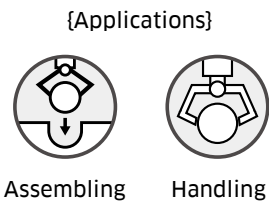
# Delta Robots

Kawasaki's Y series delta robots maximize product line productivity. These long reach, ultra-high-speed picking robots are widely used in industrial environments such as food, pharmaceutical, cosmetics, electrical, electronics, and machine parts sectors.

## YF series



YF003N



{Applications}

Assembling Handling

### Features

- The compact YF002N and wide motion range YF003N suit high-speed pick & place applications. Both models use food-grade grease & oil for food processing operations.
- The YF003N is designed for washdowns using acid or alkaline cleanser.

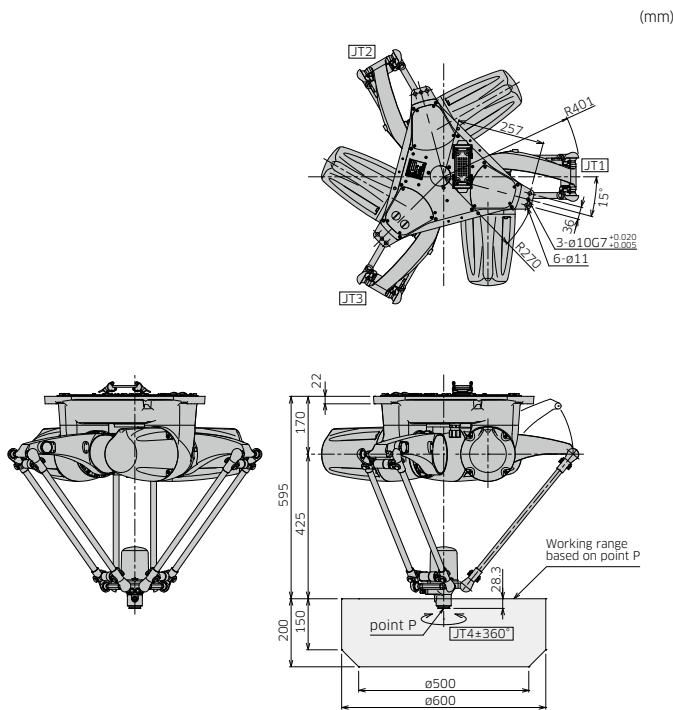
## YF002N

### 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)
Degee 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

- Reduced size & energy consumption, with enhanced integrated features.
- Universal controller with common specifications that can be used globally. (An optional transformer unit is necessary in the region where the power supply and safety standard differ.)

### Standard Specifications

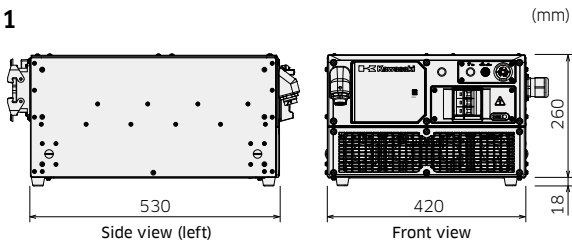
Dimensions (mm)		W420×D530×H278
Type	Enclosed type, indirect cooling system (IP54 or equivalent)	
Controlled (axes)	6	
Memory capacity (MB)	16	
I/O signals	External operation	Motor power off, Hold
	Input (Channels)	32
	Output (Channels)	32
Cable length	Teach pendant (m)	5
	Robot-controller (m)	5
Mass (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.

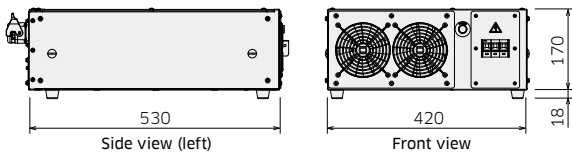


### External view and Dimensions

#### F01



#### 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)
Degee 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)

