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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

Dual-arm Collaborative 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

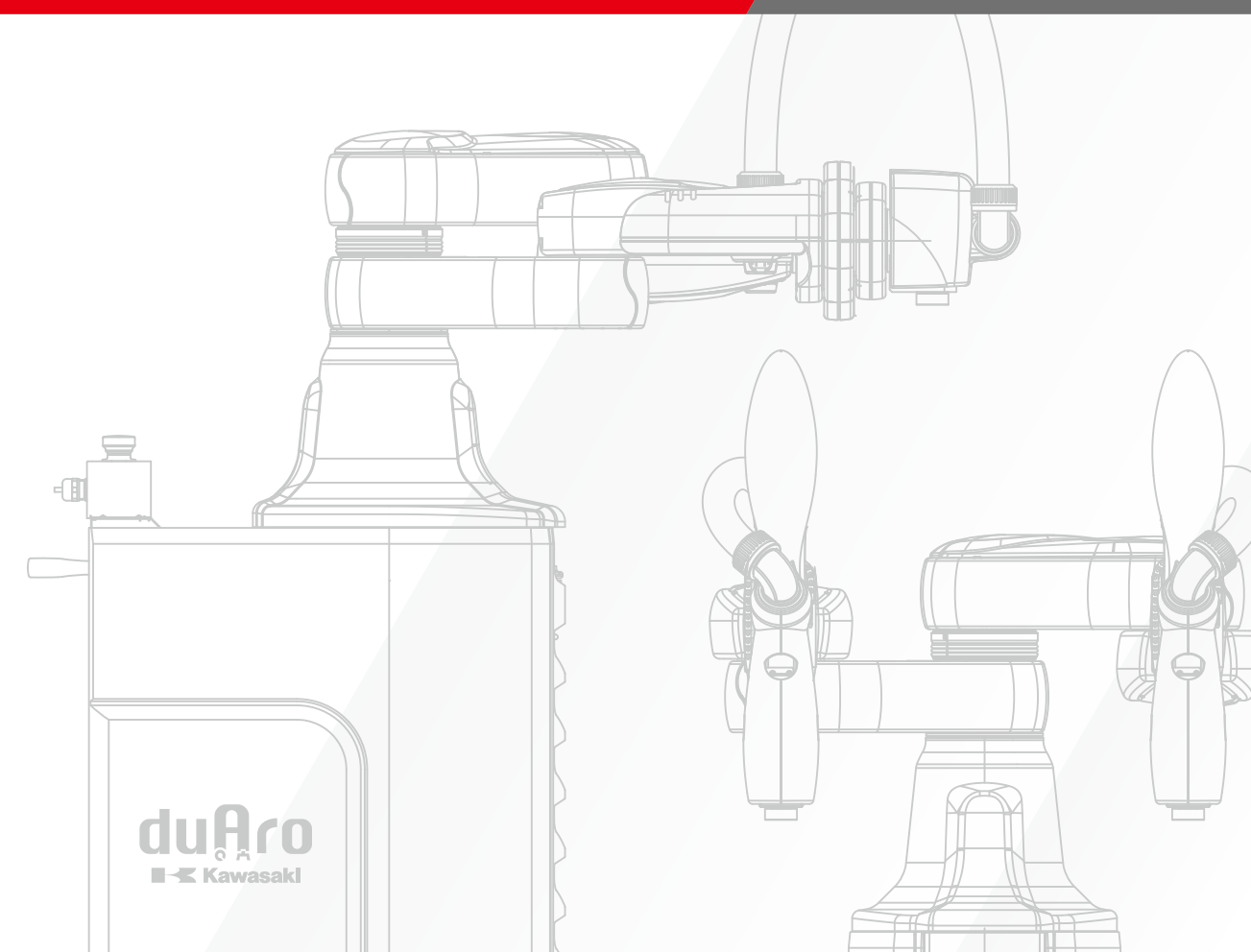


CAUTIONS TO BE TAKEN TO ENSURE SAFETY

- 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.



Dual-arm Collaborative Robots

Kawasaki's original collaborative duAro is a dual-arm type robot.

The collaborative robot enables humans and robots to work together in the same workspace without safety fences.

Kawasaki offers simple and easy-to-install robots for diverse applications.

duAro series



duAro 1



duAro 2



【Applications】



Assembling



Handling



Machine tending



Sealing



Grinding & deburring

Features

- Space-saving without safety fences.*
- With its two arms, duAro can perform as efficient tasks as human workers.
- Easy programming using a tablet and the direct teaching function.

* : Users are required to carry out a safety risk assessment before use.

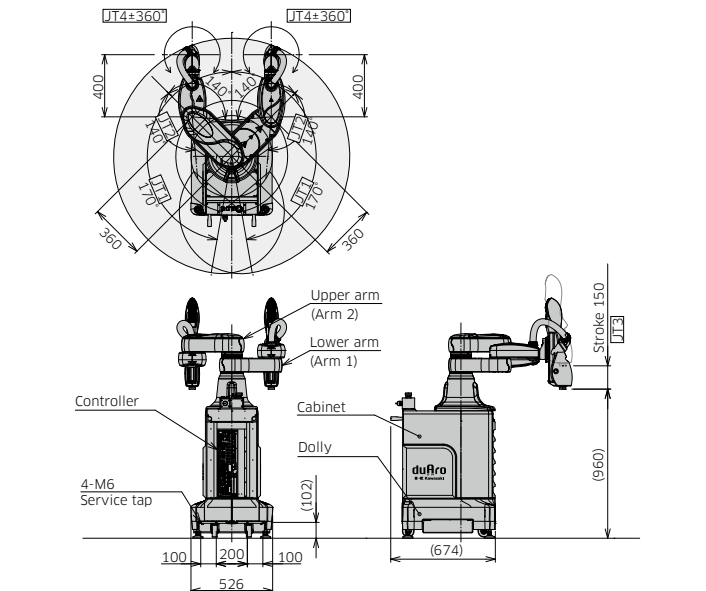
duAro 1

Standard Specifications

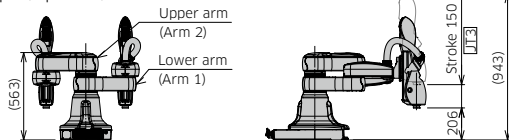
Type	Articulated robot		
Degree of freedom (axes)	4 × 2 arms		
Payload (kg)	2 × 2 arms		
Max. reach (mm)	760		
Position repeatability (mm)	±0.05		
Motion range		Arm 1 (lower arm)	Arm 2 (upper arm)
	Arm rotation (°)	±170 (JT1)	-140 - +500 (JT1)
		±140 (JT2)	±140 (JT2)
	Arm up-down*1 (mm)	0 - +150 (JT3)	0 - +150 (JT3)
Wrist swivel*1 (°)	±360 (JT4)	±360 (JT4)	
Allowable moment (N·m)	Wrist axis (JT4)	3.9	
Allowable moment of inertia (kg·m ²)	Wrist axis (JT4)	0.086	
Mass (kg)	Approx. 210 (including controller. Excluding options)		
Mounting	Floor		
Installation environment	Ambient temperature (°C)	5 - 40	
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)	
Controller/Power requirements	F61/2.0kVA		

*1 : Specification varies in case of other options or conversion

Integrated type(Standard specification)



Separated arm type (Optional)



Controller

F61

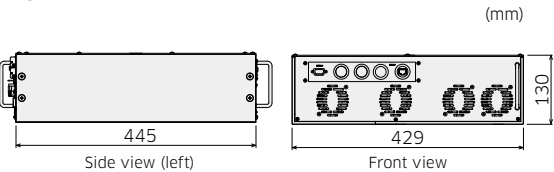
Standard Specifications

Dimensions (mm)	W429×D445×H130	
Type	Enclosed structure	
Controlled (axes)	8	
Memory capacity (MB)	16	
I/O signals	Input (Channels)	16
	Output (Channels)	16
Power requirements		AC200-230V ±10%, 50/60Hz ±2%, Single phase, Max. 2.0kVA
		Class D (Category3) earth connection, Smaller than 100 Ω (robot-dedicated earth), leakage current 10mA
Installation environment	Ambient temperature (°C)	0 - 40*1
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)*1
Operation panel	Manual-auto switch, Start-stop switch,E-stop switch	

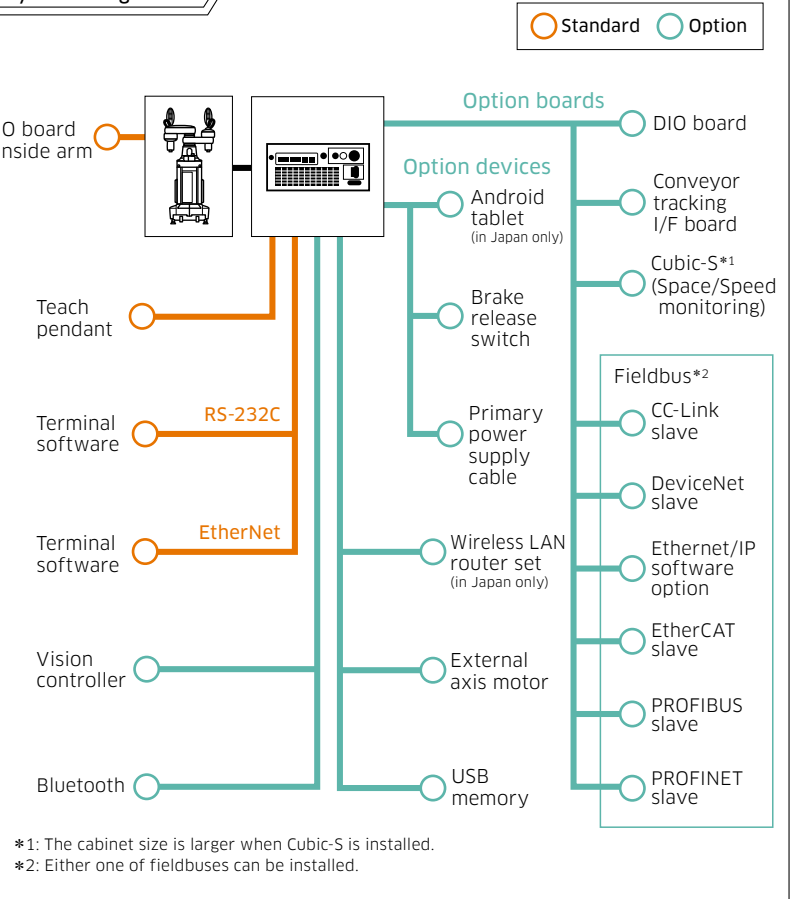
*1 : Please contact Kawasaki for usage specified other than the above.

External view and dimensions

F61



System configuration



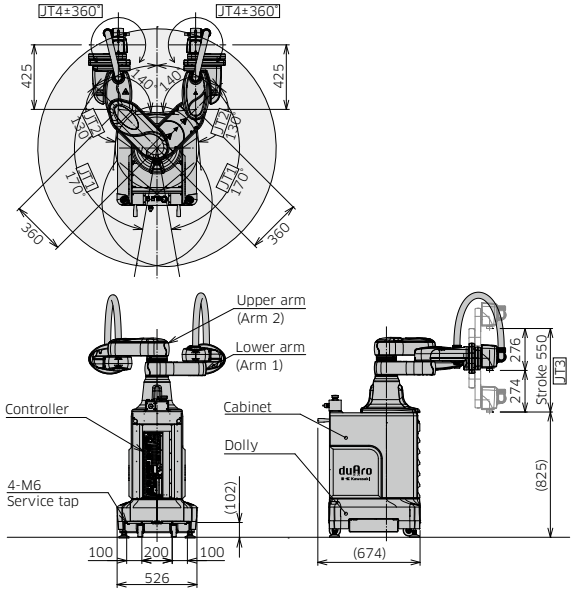
duAro 2

Standard Specifications

Type		Articulated robot		
Degree of freedom (axes)		4 × 2 arms		
Payload (kg)		3 × 2 arms		
Max. reach (mm)		785		
Position repeatability (mm)		±0.05		
Motion range		Arm 1 (lower arm)	Arm 2 (upper arm)	
		Arm rotation (°)	±170 (JT1) -130 - +140 (JT2)	-140 - +500 (JT1) -140 - +130 (JT2)
		Arm up-down*1 (mm)	0 - +550 (JT3)	0 - +550 (JT3)
		Wrist swivel*1 (°)	±360 (JT4)	±360 (JT4)
Allowable moment (N·m)	Wrist axis (JT4)	3.9		
Allowable moment of inertia(kg·m ²)	Wrist axis (JT4)	0.086		
Mass (kg)		Approx. 220 (including controller. Excluding options)		
Mounting		Floor		
Installation environment	Ambient temperature (°C)	5 - 40		
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)		
Controller/Power requirements		F61/2.0kVA		

*1 : Specification varies in case of other options or conversion

Integrated type(Standard specification)



Separated arm type (Optional)

