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CAUTIONS TO BE TAKEN TO ENSURE SAFETY

- For any persons involved with the operation / servicing of your system, including Kawasaki Robot, they must strictly observe all safety regulations at all times. Please 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 happy to help you.
- Please be careful as Photographs illustrated in this catalogue are frequently taken after the removal of safety fences and other safety devices stipulated in the safety regulations from the Robot operation system.

* Materials and specifications are subject to change without notice.

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Kawasaki
Powering your potential

SELF-PROPELLED ROBOT

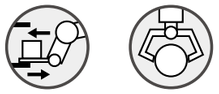
TRanbo-7

Kawasaki Robotics

Self-Propelled Robot

TRanbo

【Applications】



Machine tending　Handling

Features

- Self-propelled robot that combines a general-purpose RS007L robot of proven track record and a travelling unit. It can be controlled by a single controller.
- Compact body design enables going through a workshop passage width of 800mm.
- Maximum travelling speed of 1,000mm/sec.
- Equipped with a safety function that monitors workers approach using a laser scanner.

TRanbo-7

Standard Specifications

Robot arm		RS007L-B
Arm payload (kg)		7
Controller		F60
Body dimensions (mm)		L830×W613×H902
Mass (kg)		Approx. 420
Loading space dimensions (mm)		L350×W430
Travelling part loading capacity (kg)		20
Driving method		Two-wheel speed differential method
Guidance method		Magnetic guidance method
Max. travelling speed (mm/s)		1000
Stop precision (mm)*1		±10
Battery		Lithium-ion battery
Charging method		Manual connection
Power capacity	Battery (Primary power)	DC48V 35Ah
	Internal control power	DC24V
Safety device		Laser scanner×2, Emergency stop button×2
Warning device		Buzzer×1, Indicator lamp×4
Installation environment	Ambient temperature (℃)	5 - 40
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Travelling floor surface		Smooth concrete floor (No water, oil, foreign matter or magnetic field on the floor)

*1: Speed before stopping: 250mm/s or slower

(mm)

Controller

F60

Features

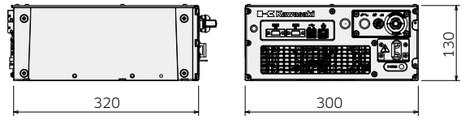
- Universal controller has common specifications to be used worldwide.
- Drastic downsizing has achieved very compact dimensions and light weight (8.3kg).
  It is easy for a person to carry the controller.

Standard Specifications

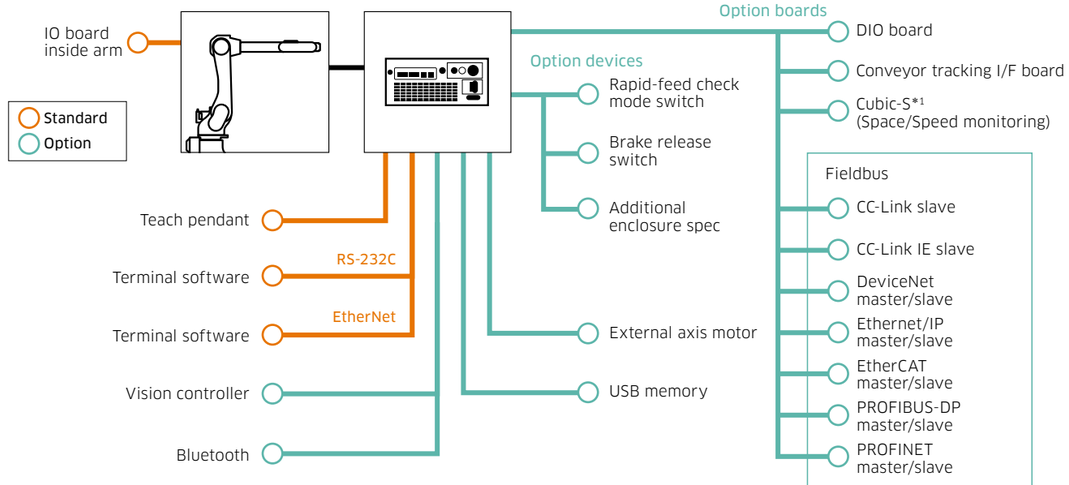
Dimensions (mm)		W300×D320×H130
Type		Open type indirect cooling system (IP20 or equivalent)
Controlled (axes)		6
Memory capacity (MB)		16
I/O signals	External operation	Motor power off, Hold
	Input (Channels)	16
	Output (Channels)	16
Cable length	Teach pendant (m)	5
	Robot-controller (m)	5
Mass (kg)		8.3
Power requirements		AC200 - AC230V ±10%,50/60Hz,1Φ
		Max. 2.0kVA
Installation environment	Ambient temperature (℃)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Teach pendant		TFT color LCD display with touch-panel, E-Stop switch, Teach lock switch, Enable switch
Operation panel		E-stop switch, teach/repeat switch

External view and dimensions

F60　(mm)



System Configuration



*1: The cabinet dimensions are larger when Cubit-S is installed.