

12kg payload type added to the RV-CR series

Available covering a large area

➤ High performance achieved with the long arm

- Longest arm with the radius of 1504 mm.
- Various types of automation can be achieved in many fields, such as LDULD application of processing machine, and logistics automation.

High-speed wrist movement of heavy and large objects

➤ 90% increase of inertia for heavy objects and large hands handling

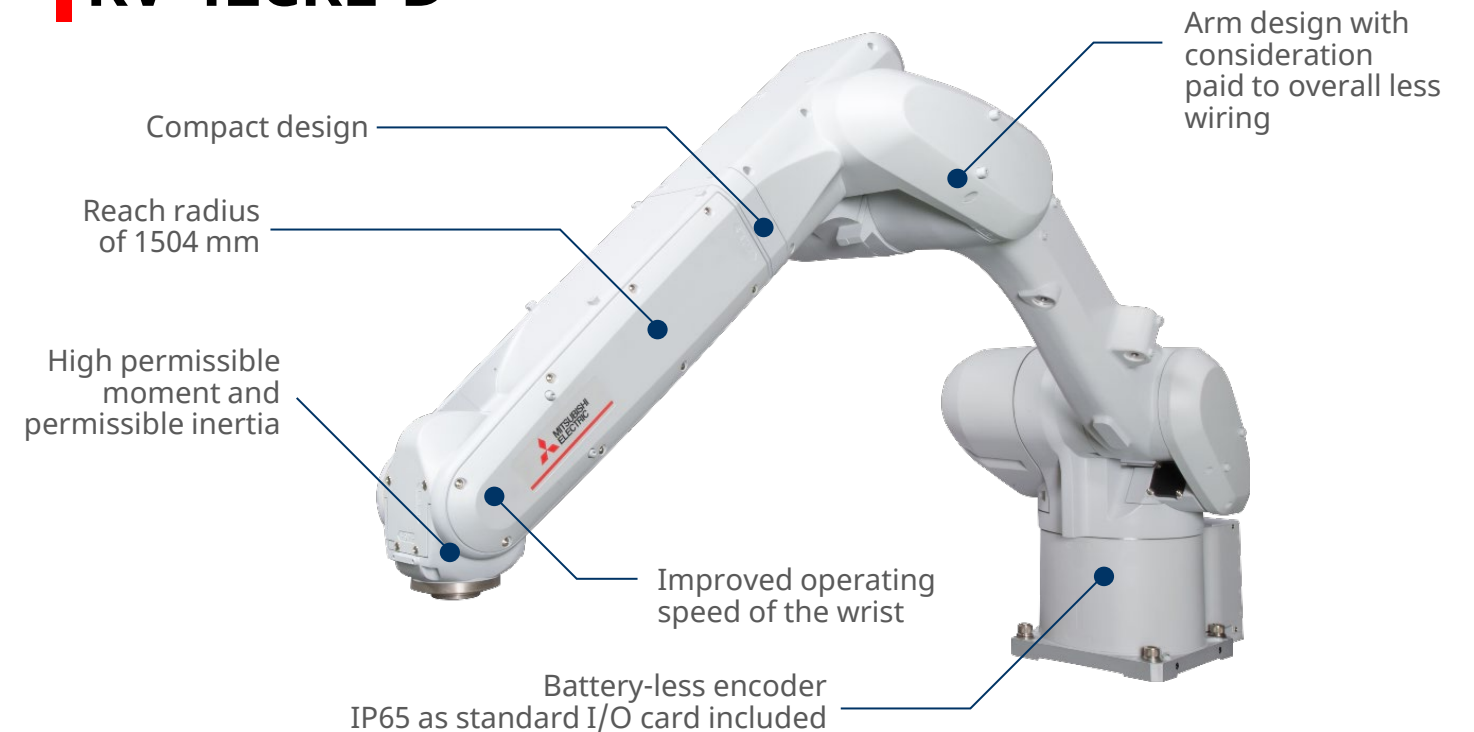
- The moment and the inertia of the wrist have been greatly improved compared to the previous model.
- High-speed movement is achieved for large or heavy workpieces such as PCBs.

With a full range of standard equipment and options

➤ Batteryless/oil mist specifications/I/O card available as standard

- Included many function for user required in setup as standard. 32 I/O points are equipped as standard.
- FR series options such as the force sensor option also can available. Intelligent operations such as assembly are also available.

RV-12CRL-D



No.	Item	Unit	RV-12CRL	
1	Maximum reach radius	mm	1504	Longest arm!
2	Max. load capacity	Kg	12	
3	Permissible inertia	J4	0.90	Approx. 90% improvement
4		J5	0.90	
5		J6	0.30	
6	Permissible moment	J4	26.5	Approx. 35% improvement
7		J5	26.5	
8		J6	11.0	

Compact body equipped with a full range of functions as standard

Product with a full range of standard equipment

➤ Batteryless/oil mist/I/O card available as standard

- Startup functions and user-requested functions are included as standard.
- Communication ports and air ports used to hands provided as standard.

Lineup for various situations and applications

➤ Product lineup includes payloads from 3 kg to 20 kg

- Vertical robot: A slim arm allows easy access to the processing machine and any devices. Added 12 kg payload type.
- Horizontal robot: The lowered overall height is designed for installation

Easy set up communication system & intelligent works

➤ Support Open Field Network CC-Link family

- Easy connection with Mitsubishi Electric's programmable controller MELSEC iQ-R/iQ-F series using one cable

➤ Various options available

- Options for the force sensor, additional axis function, and various industrial networks such as CC-Link are available.
- Safety options are also supported. ISO compliant no-fence situation be created.

Product lineup

RV-CR series



RV-8CRL

- 8kg payload
- R931mm radius
- IP65
- Batteryless



Coming Soon

RV-12CRL

- 12kg payload
- R1504mm radius
- IP65
- Batteryless

RH-CRH series



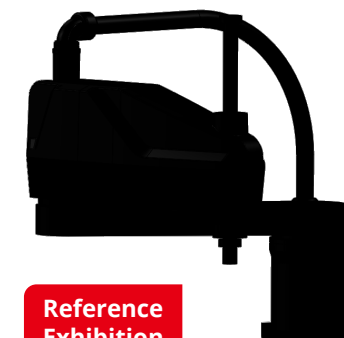
RH-3CRH4018

- 3kg payload
- R400mm radius



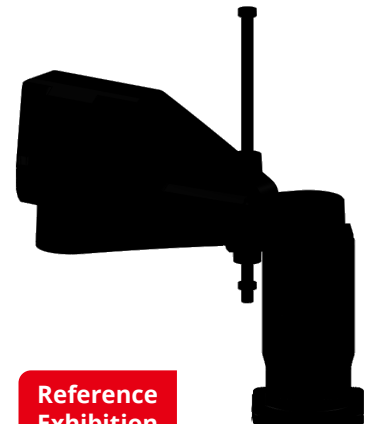
RH-6CRH6020 RH-6CRH7020

- 6kg payload
- R600/700mm radius



**Reference
Exhibition**

- 10kg payload
- R800mm radius
- Batteryless



**Reference
Exhibition**

- 20kg payload
- R1000mm radius
- Batteryless