



Industrial robots: MELFA RV-35/50/80 FR

High-payload models added to the RV-FR series

New products



USE MITSUBISHI ELECTRIC PRODUCTS THROUGHOUT ALL PROCESS

AVAILABLE TO SUIT YOUR WORKPLACE AND PROCESS

- Three payload types are available: 35 kg, 50 kg, and 80 kg.
- Automation is supported for a wide range of fields such as automobile parts, heavy objects transportation, and loading/unloading for processing.



ENSURE IMPROVED WORKABILITY WITHOUT COMPROMISING SAFETY

SAFETY AND WORKABILITY ACHIEVED IN NO-FENCE SITUATION

- Collaborative situation are enabled by the combination of safety option and sensors.
- Operating rates and work environments are improved by ISO compliant human-collaborative situation.



HANDLE THE DATA REQUIRED FOR DIGITAL MANUFACTURING, EASILY

IQ PLATFORM SUPPORTED FOR FACTORY DIGITIZATION

- Easy connection with Mitsubishi Electric's MELSEC IQ-R/Q series programmable controllers.
- Mitsubishi Electric FA products are able tounify management for information of concerning traceability, visualization, and systems by less wiring.

SPECIAL DISCOUNT!

FROM STANDARD PRICE

30-45%

THIS PROMOTION RUNS FROM: 15 JANUARY - 16 SEPTEMBER 2024

*Remark:

- For more information, please contact your Mitsubishi Electric dealer or sales representative.
 The Promotion Price offer in Promotion period only.
- The company reserves the right to make changes without prior notice
- The promotion on 15 January 16 September 2024





"WE PROVIDING INTELLIGENT ROBOT FOR GROW YOUR BUSINESS!"

FOR CATALOG FOR WEBSITE

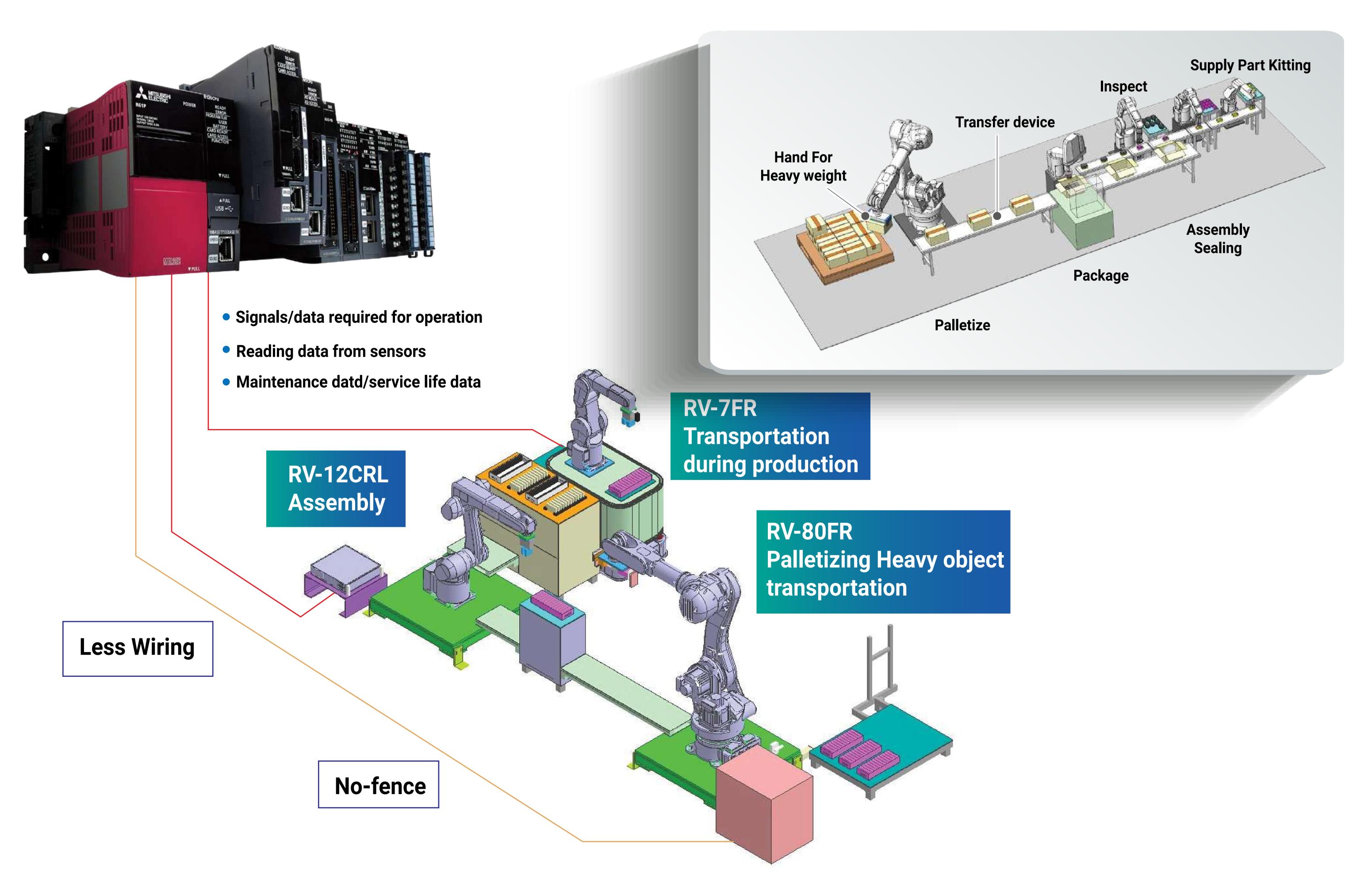
SPECIFICATION

ltem		Unit	RV-35FR	RV-50FR	RV-80FR	
Environmental specifications				Standard/ Oil mist		
Protection degree			Wrist equivalent to IP67,Body equivalent to IP65(standard) Whole body equivalent to IP67(oil mist)			
Installation			Floor type			
Structure			Vertical articulated robot			
Degrees of freedom			6			
Drive system			AC servo motor			
Position detection method			Absolute encoder			
Maximum load capacity		kg	35	50	80	
Arm length		mm		870+1080		
Maximum reach radius		mm	2100			
Operating range	J1	deg	360 (±180)			
	J2			245 (-105~140)		
	J3		290 (-135~155)			
	J4		720 (±360)			
	J5			290 (±145)		
	J6			900 (±450)		
Maximum speed*1	J1	deg/sec	180	180	180	
	J2		180	180	180	
	J3		185	185	160	
	J4		260	260	185	
	J5		260	260	165	
	J6		360	360	280	
Maximum composite speed*2		mm/sec	13400	13400	12700	
Position repeatability		mm		±0.06		
Ambient temperature		°C	0 to 45			
Mass		kg		560		
Tolerable moment	J4	Nm kgm²	210	210	336	
	J5		210	210	336	
	J6		130	130	194	
Tolerable amount of inertia	J4		19.6	28	34	
	ia J5		19.6	28	34	
	J6		7.7	11	13.7	
Tool wiring			12 input points/8 output points LAN × 1 <category 5e-compliant=""></category>			
Tool pneumatic pipes			Φ10×2			
Connected controller		CR860-D/CR860-R/CR860-Q				

^{*1} Values in the table indicate the maximum speed, and the actual speed of each axis varies depending on factors such as the posture, load, and the amount of movement.

STUDY CASE

MELFA Products for The Entire Life











^{*2} This is the value at the center point of the mechanical interface when all axes are combined. The value is a theoretical value calculated from the maximum speed of each joint.