

High-payload models added to the RV-FR series

Use Mitsubishi Electric products throughout all process

Available to suit your workpiece 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

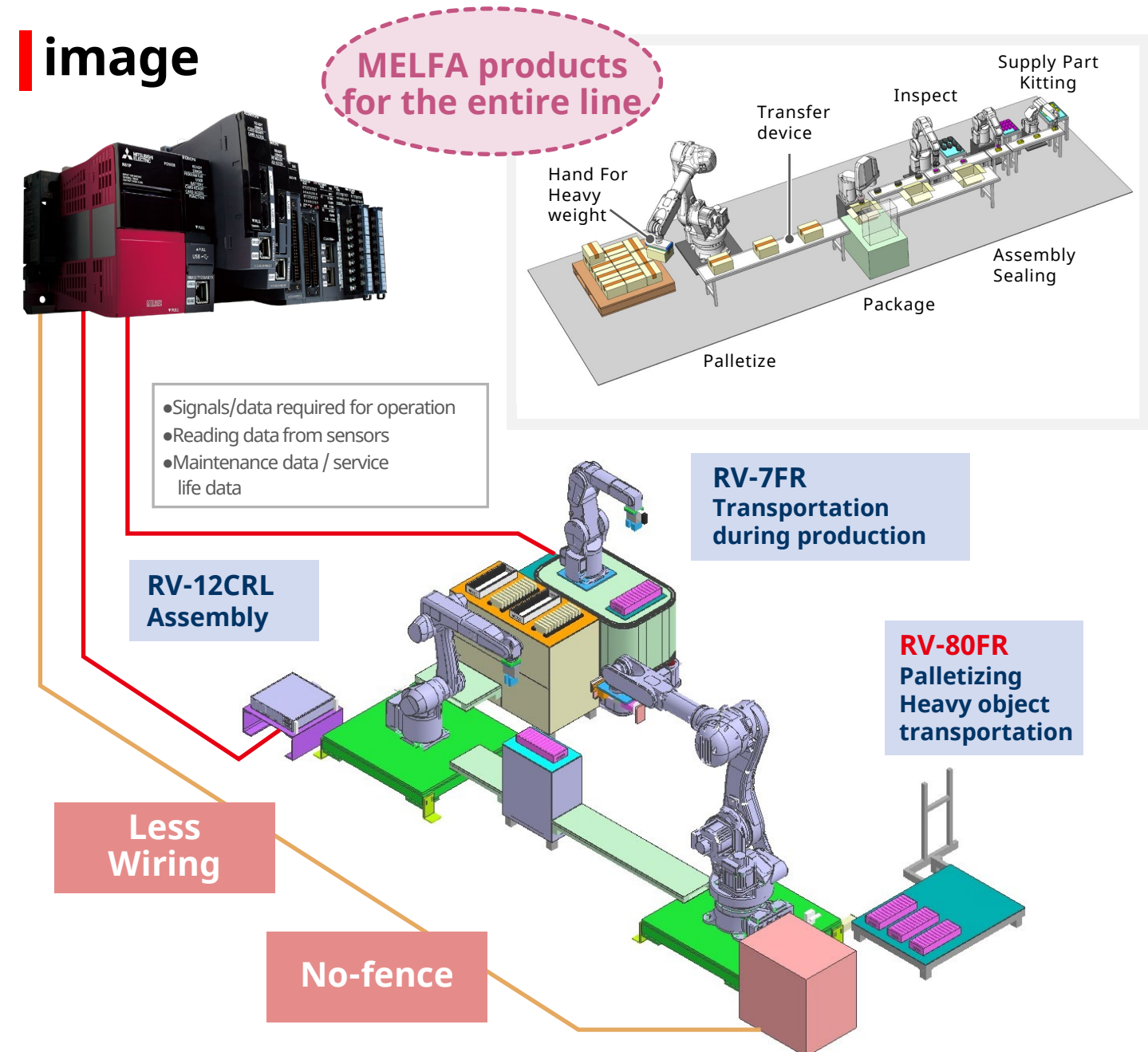
- Collaborative situation are enabled by the combination of safety option and sensors.
- Operating rates and work environments are improved by ISO compliant human-collaborative situation.

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 to unify management for information of concerning traceability, visualization, and systems by less wiring.

Image



Industrial Robots : MELFA FR series

Concept

Advanced intelligence helps perform tasks with high accuracy, support e-F@ctory, promote human-robot collaboration, and next-generation manufacturing.

Three concepts provided by the MELFA FR series

Intelligence

[Next-generation intelligence]



Improved basic performance and advanced intelligent technology facilitates line introduction and the automation of high-precision tasks.

Integration

[FA-IT integration]



Factories are smartened with e-F@ctory through interaction with our FA products.

Safety

[Safe, collaborative work applications]



Enhanced safety functions support human-robot collaboration and further production improvement.

Product lineup

(Schedule to be determined)

MELFA **FR**
SERIES

NEW!

Vertical articulated robot	FR PLUS		FR PLUS		FR PLUS			FR PLUS		FR PLUS			
	RV-2FR	RV-2FRL	RV-4FR	RV-4FRL	RV-7FR	RV-7FRL	RV-7FRL	RV-13FR	RV-13FRL	RV-20FR	RV-35FR	RV-50FR	RV-80FR
Model	RV-2FR	RV-2FRL	RV-4FR	RV-4FRL	RV-7FR	RV-7FRL	RV-7FRL	RV-13FR	RV-13FRL	RV-20FR	RV-35FR	RV-50FR	RV-80FR
Maximum load capacity	3kg		4kg		7kg			13kg		20kg	35kg	50kg	80kg
Reach	504mm		515mm										
		649mm		649mm									
					713mm								
						908mm		1094mm		1094mm			
									1388mm				
							1503mm						
												2100mm	
Horizontal articulated robot	FR PLUS		FR PLUS		FR PLUS		FR PLUS		FR PLUS		FR PLUS		
Model	RH-3FRH		RH-6FRH		RH-12FRH		RH-20FRH		RH-3FRHR		RH-3FRHR		
Maximum load capacity	3kg		6kg		12kg		20kg		3kg		3kg		
Reach	350mm / 450mm / 550mm		350mm / 450mm / 550mm		700mm / 850mm		850mm / 1000mm		120mm / 150mm		120mm / 150mm		
	120mm / 150mm		200mm		340mm		350mm		450mm		450mm		
Z Stroke	120mm / 150mm		200mm		340mm		350mm		450mm		450mm		