

RH-FRH SCARA ROBOT

Product Overview



With consumer needs rapidly evolving towards increased diversification and reduced time to market, today's manufacturers face a time of considerable change. It is no longer enough for industrial robots to simply perform a single task. The RH-FRH Series horizontally articulated SCARA robot provides new, intelligent solutions, offering a simple approach to advanced and flexible production.

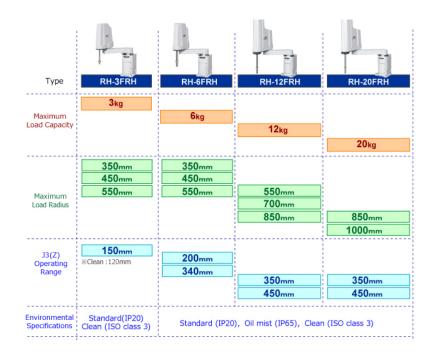
KEY BENEFITS:

- Robot Diamond Assurance[™] Protect your robot investment with Robot Diamond Assurance, our extended preventive maintenance program. With regular, proper maintenance from Mitsubishi Electric factory trained technicians, obtain increased uptime and fewer repair costs.
- Internal pneumatic and electrical connections Easily connect to a large range of peripheral devices like vision systems.
- Next generation intelligent functions Carry out more complex tasks with intelligent technology.
- Safe, collaborative work applications Allow robots and people to work together in a secure environment with safety add-ons such as area scanners and the MELFA Safe Plus module.
- RT ToolBox3 programming environment and simulation software – Use a powerful, accessible robot operative system that does not require costly software adders.
- Additional axis interface Eliminate the need for additional motion controllers by directly controlling up to two external 3-axis coordinated servo systems, with up to 8 total servo axes.
- Remote access capable Conveniently monitor and control robot operation remotely.
- Convenient ports, features, and add-ons USB 2.0 port for quick PC connection, SD memory card slot for data logging, and battery free controller provides a worry-free solution to program storage to eliminate waste.



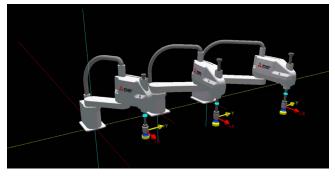
BROAD SIZE LINEUP

RH-FRH robots are available in load capacities from 3kg to 20kg, with maximum load radii from 350mm to 1000mm.



RT TOOLBOX3 PRO: ADVANCED 3D ROBOT SIMULATOR

The PRO version of the RT ToolBox3 3D simulation software includes a plug-in that allows robot simulations to be run in SolidWorks® 3D CAD software. Programs can be created to match today's era of high-mix, low-volume production, such as for layout considerations prior to introducing robots, desktop program debugging, and generation of complex motion paths.



SPECIFICATIONS

Horizontally Articulated SCARA (RH)

Model Number		RH1FRHR	RH3FRHR	RH3FRH35	RH3FRH45	RH3FRH55	RH6FRH35	RH6FRH45	RH6FRH55	
Maximum Load Capacity (kg)		1	3	3	3	3	6	6	6	
Maximum Reach Radius (mm)		550	350	350	450	550	350	450	550	
Environmental Specifications	Standard	IP20/IP67	IP20							
	Oil Mist	_	IP65	_			IP65			
	Cleanroom	_	ISOclass5	ISOclass3						
Controller		CR800-R, CR800-D								

Model Number		RH12FRH55	RH12RFH70	RH12FRH85	RH20FRH85	RH20FRH100				
Maximum Load Capacity (kg)		12	12	12	20	20				
Maximum Reach Radius (mm)		550	700	850	850	1000				
Environmental Specifications	Standard	IP20								
	Oil Mist	IP65								
	Cleanroom	ISOclass3								

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