


Mitsubishi Robots Now Available in SCARA Versions:

Speed, precision and extremely high repeatability are the outstanding features of the new SCARA Robots from Mitsubishi. Other highlights include network and image processing interfaces, the ability to control up to an additional eight axes with just one controller, leaving no user wishes unsatisfied.

Simple operation saves your time and spares your nerves


The new SCARAs are extremely user-friendly, with a very intuitive and super-compact robot control unit measuring just 400 x 400 x 200 mm. The MELFA BASIC IV robot programming language has a very short learning curve and will have you creating powerful and efficient programs in no time. You can work in online or offline mode as you like, and project simulation on standard PCs is also possible, of course.






High Performance

- **Multitasking**
- **Ethernet network**
- **range of up to 850 mm**
- **5/10 kg handling payload**
- **Compliance Control**



High Speed

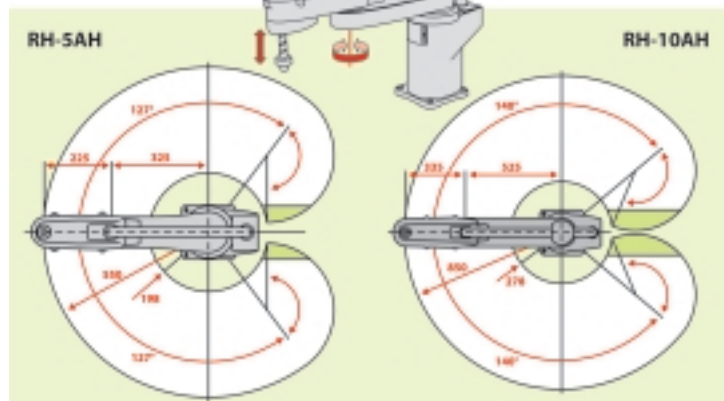
- **Execution of a 12" cycle in less than 0.5 s**
- **Up to 5,600 mm/s with axial interpolation**



High Precision

- **Precision repeatability of 0.02-0.025 mm (x/y)**





Highlights of the new RH-5AH and RH-10AH SCARA robots:

- **Slim design**
- **Internal routing of pneumatic hoses**
- **12" cycles in less than 0.5s**
- **Expandable for up to 8 additional axes**
- **Multitasking OS for parallel processing**
- **Absolute position encoder**

CR2A-572 – The Robot Controller that Has it All

The controller of the new SCARA robots is small, compact and powerful:

Small, measuring in at just 400 x 400 x 200mm.

Compact, combining robot intelligence and power amps in a single unit.

Powerful, with a dazzling wealth of functions including multitasking, memory for up to 88 programs, 3D circular interpolation, interrupt handling, Compliance Control, overload monitoring, torque limiter, safety functions, easy connection of vision systems for object recognition, network support and real-time monitoring.

MELFA RH Robot	RH-5AH55	RH-10AH85
Degrees of freedom	4	4
Drive system	AC servo motors with electr. braking	
Position encoding	Absolute encoders	Absolute encoders
Max. payload (nom.)	5 (2) kg	10 (2) kg
Working radius	550 mm	850 mm
Max. resulting speed	5,360 mm/s	5,650 mm/s
Cycle period (12" test)	0.48 sec	0.52 sec
Repeatability (x/y)	±0,02 mm	±0,025 mm

Robot Controller	CR2A-572
Special functions	Axial, linear or circular interpolation, multi-tasking (up to 32 tasks), Compliance Control, palletising functions, interrupt handling and subroutines, etc.
Programming language	MELFA-BASIC IV
No. of programs	88
No. of I/O points	32 I / 32 O (expandable to 256 I / 256 O)
Power supply	207-253 V AC
Controller dimensions (W x H x D)	400 x 200 x 400 mm
Weight	18 kg

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