


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

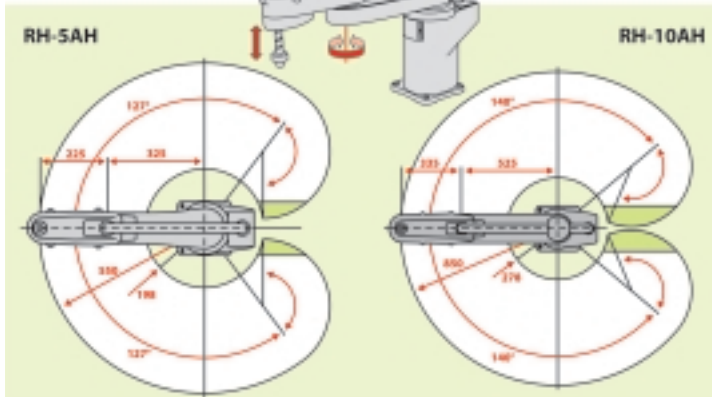
- **Execution of a 12" cycle in less than 0.5 s**
- **Up to 5,600 mm/s with axial interpolation**



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

EUROPEAN HEADQUARTERS

MITSUBISHI ELECTRIC EUROPE B.V.
 Gothaer Straße 8
D-40880 Ratingen
 Phone: +49 (0) 21 02/4 86-0

MITSUBISHI ELECTRIC EUROPE B.V.
 B.V. 25, Boulevard des Bouvets
F-92741 Nanterre Cedex
 Phone: +33 (1) 55 68 55 68

MITSUBISHI ELECTRIC EUROPE B.V.
 Via Paracelso 12
I-20041 Agrate Brianza (MI)
 Phone: +39 (0)39 6053 1

MITSUBISHI ELECTRIC EUROPE B.V.
 Carretera de Rubí, 76-80
E-08190 Sant Cugat del Vallés
 Phone: +34 (93)565 31 31

MITSUBISHI ELECTRIC EUROPE B.V.
 Travellers Lane
GB-Hatfield Herts. AL10 8XB
 Phone: +44 (0) 1707 / 27 61 00

EUROPEAN REPRESENTATIVES

GEVA GmbH **AUSTRIA**
 Wiener Straße 89
A-2500 Baden
 Phone: +43 (0) 2252 / 85 55 20

GETRONICS B.V. **BELGIUM**
 Pontbeeklaan 43
B-1731 Asse-Zellik
 Phone: +32 (0) 2 / 467 17 51

INEA CR d.o.o. **CROATIA**
 Drvinje 63
HR-10000 Zagreb
 Phone: +385 (0) 1 / 366 71 40

AutoCont Control s.r.o. **CZECHIA**
 Nemocnicí 12
CZ-70200 Ostrava 2
 Phone: +420 (0) 69 / 615 21 11

Louis poulsen **DENMARK**
 Geminivej 32
DK-2670 Greve
 Phone: +45 (0) 43 / 95 95 95

Beijer Electronics OY **FINLAND**
 Ansatie 6a
FIN-01740 Vantaa
 Phone: +358 (0) 9 / 886 77 00

MITSUBISHI ELECTRIC **IRELAND**
 Westgate Business Park, Ballymount
IRL-Dublin 24
 Phone: +353 (0) 1 / 419 88 00

ILAN & GAVISH Autom. Service **ISRAEL**
 24 Shenkar St., Qiryat-Arie
IL-49001 Petach-Tikva
 Phone: +972 (0) 3 / 922 18 24

Getronics B.V. **NETHERLANDS**
 Donauweg 2B
NL-1043 AJ-Amsterdam
 Phone: +31 (0) 20 / 587 67 00

Beijer Electronics AS **NORWAY**
 Teglværksveien 1
N-3002 Drammen
 Phone: +47 (0) 32 / 24 30 00

MPL Technology Sp. z.o.o. **POLAND**
 ul. Sliczna 36
PL-31-444 Kraków
 Phone: +48 (0) 12 / 632 28 85

ACP Autocomp a.s. **SLOVAKIA**
 Chalupkova 7
SK-81109 Bratislava
 Phone: +421 (0) 7 592 22 54

INEA d.o.o. **SLOVENIA**
 Ljubljanska 80
SI-1230 Domžale
 Phone: +386 (0) 17 21 80 00

CBI Ltd **SOUTH AFRICA**
 Private Bag 2016
ZA-1600 Isando
 Phone: +27 (0) 11 / 928 20 00

Beijer Electronics AB **SWEDEN**
 Box 426
S-20124 Malmö
 Phone: +46 (0) 40 / 35 86 00

ECONOTEC AG **SWITZERLAND**
 Postfach 282
CH-8309 Nürensdorf
 Phone: +41 (0) 1 / 838 48 11

GTS **TURKEY**
 Darülaceze Cad. No. 43A KAT: 2
TR-80270 Okmeydani-Istanbul
 Phone: +90 (0) 212 / 320 16 40

Specifications subject to change without notice.
 Order No.143691-A, Printed in Germany 3-02/RH