



Industrial Cleaning,
Innovative Thinking

AUTOMATION

ROBOTS LINE



The smart solution for any industrial cleaning requirement

A complete range of robots developed to automate linear installations for either ultrasonic cleaning, dip-coating or similar treatments. And such an easy way to automate your existing lines!

Automation is an essential asset in guaranteeing successful results in multi-tank industrial cleaning processes.

All FISA cleaning lines are designed from the outset to be equipped with powerful automation systems.

These robots can easily fit any existing lines thereby reducing the labor involved in the process, with fast return on investment.

When connected to your Windows® PC using the software suite that is

supplied with the robot, they become even simpler, user-friendly and more effective.

Our robots not only perform the function of handling and moving baskets but are at the heart of a larger automation system, involving all aspects of process management. Thanks to the dedicated bus system these robots can be easily integrated with I/O units, diagnostic and control panels, external devices.



FISA – specialized in automation system ►

AUTOMATION ROBOTS LINE

There will always be a standard robot for your system

Technical Features and Advantages

- Reliability.** Robots FISA are the result of continuous technological development that began in the eighties and which led to the creation of high quality, reliable and standard products. More than 5000 robots are currently working successfully with our customers.
- Safety.** All security aspects are taken into consideration. From the low-voltage power supply to the mechanical safety devices. From automatic data recovery in case of power cuts to password-protected access against unauthorized use.
- Expandability.** It is possible to add further robots at a later date in order to increase the productivity of the line or when a machine is expanded. Several robots (up to 16) can run simultaneously on the same rail. Information are transferred from the programmer to the robot and vice versa using infrared units.
- Powerful Software.** Easy programming software with a complete instruction set oriented to cleaning and coating procedures. Up to 64 different cycles with virtually unlimited program steps. Automatic management of different processes working simultaneously.
- Hardware flexibility.** Fisa Robots can be adapted to any complex machine architecture thanks in particular to their different types: different gripping systems, different rotation systems, different axes, different loads, ... Automatic process selection by optical sensors or barcode reader device. QR connection with loading and unloading conveyors. Interfacing with an important number of I/O devices.



Model	Max. load	Max. speed H / V	Rotation	Optional gripping systems
	Kg	m / min	rev / min	*
R02	12	20 / 7	No	-
RN20R	20	40 / 15,4	3 ÷ 12	A
RN30	30	22 / 16	No	-
RN30R	30	40 / 15,4	3 ÷ 12	A, P
RN50	50	40 / 15,4	No	T, M, P
RN50Z	50	40 / 15,4	No	-
RN80	80	40 / 15,4	No	T, M, P
R04	100	40 / 12	No	-
R05	150	40 / 7,8	No	-
RH03	1 000	15 / 4	No	-
RC01	5	42 / 2,1	No	-
RC01F	5	42 / 14	No	-

*T = Grip with sensor, M = Magnetic grip, P = Grip with cage, A = Grip with rotation block

Easy to install and use

Fisa Robots can be installed in few hours on any existing line, even from our competition.



A complete set of detailed documentation (drawing, reference and user manuals) is supplied with the equipment.

The robot runs on a rail and each position can be registered by a wireless remote controller, using a self-learning approach.

Powerful software tools allow the end-user to create all the sequences and cycles by himself. This can also be done off-line using a standard PC. All the different cycles and the line HDW configuration can be saved in one file. At any time it is possible to download or upload this file between the robot and the PC, to modify it or to send it to the on-line Fisa customer service .

