

REYS

one supplier... unique solution



WASHING MACHINES LINE
INDUSTRIAL WASHING MACHINES AND SYSTEM





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REYS SpA is recognized as a leader in the field of process chemicals with five special product lines: metalworking, cleaning, surface treatment, water treatment and auxiliary chemicals.

REYS can rely on three competitive advantages: its expertise covering the entire industrial process, dedicated design and on-site service.

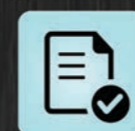
For cleaning and surface treatment REYS is now adding a new brand to its chemicals, which integrates perfectly with process fluids: REYS CP3.

Combining the chemical expertise with the design of the plant, REYS is able to offer a solution that perfectly meets the production needs of each Client, optimizing the technical outcome and ensuring that operating costs are contained.



The range of REYS CP3 washing machines can be integrated with the supply of chemical products, solvents and detergents, washing test, and with a complete assistance even after the sale, such as chemical analyzes or scheduled maintenance contracts.

This is why REYS becomes your single-supplier for your whole industrial processes.



DESIGN



REALIZATION



CHEMICALS



CUSTOMIZED PRODUCTS



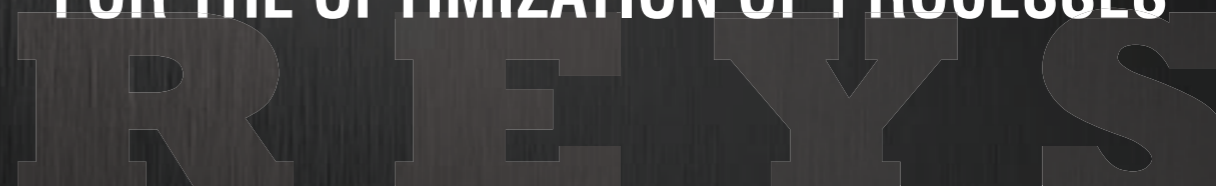
AFTER-SALES ASSISTANCES



SCHEDULED MAINTENANCE CONTRACTS

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**MACHINE AND CHEMICALS
FROM A SINGLE SUPPLIER
FOR THE OPTIMIZATION OF PROCESSES**



REYS CP3 is specialized in the design and manufacture of washing machines, industrial washing systems and surface treatment systems, taking care of every stage of production: design, production, installation and after-sales service with the supply of certified spare parts.



**MAKES USE ONLY OF THE BEST ELECTRONIC COMPONENTS
AND CONSTRUCTS THE MACHINES
ENTIRELY IN AISI 304 STAINLESS STEEL**

The design of the machines is carried out in close collaboration with the technical functions of the Customer, and uses the REYS laboratories for the chemical formulation of degreasers and washing tests.

MINY INOX

Metal cleaning industrial washers made of Aisi 304 stainless steel operating with hot water and eco-friendly industrial detergents. Ideal for washing small and large pieces and for medium/low productivity needs. Specific systems for the maintenance sector. Available in various sizes. It is possible to apply accessories on the whole range in order to improve the quality of the washing and reduce maintenance operations.

Main characteristics:

- spray degreaser stainless steel, for automated washing with water and industrial detergents;
- washing takes place by pressure jets with ramps equipped with knife nozzles;
- machine entirely made in AISI 304 stainless steel (structure, ramps, nozzles, basket);
- structure covered by a lid to be opened manually, servo-assisted by a gas spring;
- stainless steel centrifugal electro-pump;
- heating is obtained through electric heaters immersed in the solution, and temperature is controlled by digital controller;
- electro-welded mesh basket which rotates due to a gear motor with mechanical friction in order to provide constant speed;
- safety float sensor inside the tank as protection for the heating unit;
- up to code electrical equipment with low voltage controls.



SPECIFICATIONS		MINY INOX 8	MINY INOX 10	MINY INOX 12
Useful dimensions for washing	Basket diameter	mm 780	mm 1000	mm 1200
	Effective height	mm 500	mm 500	mm 700
	Capacity	Kg 120	Kg 200	Kg 300
	Tank	lt 100	lt 175	lt 220
	Weight	Kg 80	Kg 120	Kg 190
Gross dimensions	Max height	mm 1040	mm 1150	mm 1370
	Max depth	mm 1000	mm 1260	mm 1570
	Max width	mm 1040	mm 1340	mm 1650
Specifications	Heating	Kw 4	Kw 6	Kw 8
	Pump	Kw 0,55	Kw 1,5	Kw 1,5

STANDARD EQUIPMENT

AISI 304 stainless steel tank, pump and carousel support frame
Pull-out basket and galvanized steel ramps
Level control

MASTER

Single cabin industrial washing machines for the treatment of medium-sized and large pieces. Different models available depending on flow rate and dimension needs. The machine is managed by a PLC. Master machines are ideal for the following sectors: maintenance, heat treatment, paint stripping.

Main characteristics:

- ideal for treating medium-sized and large pieces;
- spray system washing with water and detergents;
- treatment area separated by the tanks (possibility of multiple tanks);
- customizable with rotating baskets or mobile ramps;
- ideal for maintenance activities, paint stripping and heat treatment.

REYS CP3 construct the machines entirely in AISI 304 stainless steel.



STANDARD EQUIPMENT

- AISI 304 stainless steel sheet
- Automated vapour suction
- Level control
- Mobile bed for service
- Horizontal or vertical door
- Motor driver rotatine basket
- PLC

SPECIFICATIONS		MASTER 8	MASTER 10	MASTER 20
Useful dimensions for washing	Basket diameter	mm 900	mm 1200	mm 1450
	Effective height	mm 600	mm 750	mm 900
	Capacity	Kg 500	Kg 1000	Kg 1500
	Tank	lt 250	lt 400	lt 500
Gross dimensions	Max height	mm 2650	mm 2925	mm 3225
	Max depth	mm 1550	mm 1950	mm 2200
	Max width	mm 1450	mm 1700	mm 2000
Specifications	Basket gear motor	Kw 0,18	Kw 0,18	Kw 0,18
	Table speed	RPM 4	RPM 3,5	RPM 3,5
	Air suction device engine	Kw 0,25	Kw 1	Kw 1
	Pump engine	Kw 4	Kw 5,5	Kw 7,5
	Flow rate	lt/min 300	lt/min 500	lt/min 900
	Head	mt 43	mt 38	mt 32
Heating	Electric	Kw 8	Kw 12	Kw 18
	Diesel	Kg/h 2,5	Kg/h 3,3	Kg/h 4,5
	Methane gas	mc/h 3/5	mc/h 3/7	mc/h 3/7

ROTARY TABLE MODULES

Fitted with a washing equipment composed of mobile probes that hit internal areas that are not otherwise reachable. The particular care in the design, the choice of components and the constant effort to improve and expand the performance of our products, make it an extremely reliable machine with reduced maintenance costs. The machine warns the area operator by means of audible/luminous signals of the need to intervene in certain sectors (obstructed washing probes, abnormal pressure, irregular levels in the tanks).

Technical characteristics:

- treatment area with rotary table at 90° or 120°
- loading and unloading either manual or by mechanical arm
- dimensional recognition of the part in order to optimize washing and drying
- manual or automated locking and unlocking of the parts to be treated
- washing with pressurized heated water sent to the parts by automated probes.
(Pressure varies between 4 and 150 bar)
- drying is obtained by pulses of compressed air and/or hot air circuit
- washing circuit equipped with a filtration and ferrous particle recovery system
- high productivity
- management software



HYDROKINETIC MACHINES & SYSTEMS

Extremely flexible machines and systems for parts washing, ideal for the treatment of complex parts with blind holes and cavities.

These systems are particularly indicated when they are to be placed alongside work centres/stations due to their shape and compact dimensions. Thanks to rotation, they guarantee an excellent level of cleanliness even without specific washing equipment. Pieces are immersed in an agitated solution through pressure jets. The rotation of the pieces on the horizontal axis facilitates draining and prevents the stagnation of liquids inside them.

SPECIFICATIONS		CVF 532	CVF 555
Useful dimensions for washing	Basket width	mm 480	mm 500
	Basket depth	mm 330	mm 500
	Effective height	mm 170	mm 500
	Capacity	Kg 50	Kg 100
	Tank capacity	lt 300	lt 900
Cabin gross dimensions	Width	mm 1600	mm 2900
	Depth	mm 1550	mm 2670
	Cabin height	mm 1500	mm 1500
Specifications	Rotary table gear motor	Kw 0,18	Kw 0,18
	Table speed	RPM 3,5	RPM 3,5
	Air suction device engine	Kw 0,09	Kw 0,33
	Pump engine	Kw 5,5	Kw 7,5
	Flow rate	lt/min 300	lt/min 400
	Head	mt 58	mt 49
Heating	Electric	Kw 8	Kw 18



Optional extras:

- Additional tanks;
- Automatic lid opening;
- Heated air drying system;
- Additional compressed air blowing ramp;
- Possibility to feed the baskets automatically;
- Possibility to add a rinsing stage with water to drain;
- Possibility to automate the blocking of the parts to be treated;
- Possibility to assemble a lance for manual washing with pressures from 6 to 50 bar;
- Washing circuit equipped with a filtration and recovery system for ferrous particles and non-emulsified oil

CUSTOMIZED PLANTS & SYSTEMS

REYS CP3 is qualified to design machines and plants according to specifications so as to meet the client's productivity needs. REYS's specialists will work alongside the Client's technicians in order to understand needs and issues and find the best direction for the design stage.

A customized plant is a unique product, specifically tailored on the Client's needs

Design takes various factors into account:

- dimensions and physical constraints
- optimization of degreasing and surface pretreatment
- request for integration with workstations and other installed machines
- compatibility with previous manufacturing stages and stages subsequent to washing and pretreatment
- productivity goals
- request for process automation

REYS CP3 machines may also be accompanied by a series of specially manufactured accessories that optimize their performance, offering the best solution for any production need. The assistance and maintenance service ensures maximum efficiency even for the most complex systems, contributing to the reduction of maintenance costs

Main characteristics and advantages:

- high-tech projects;
- designed to solve specific washing issues;
- they interface perfectly with the pre-existing machines of the robotic island;
- bring added value to the production area;
- accompanied by a series of specially manufactured accessories that optimize performance;
- contribute to the reduction of maintenance costs.



Interventions for the maintenance and replacement of spare parts guarantee the supply of first choice and certified spares

REYS CP3 manufactures metal washers for industrial washing, covering every stage of production: planning and analysis of the client's needs, mechanical-electrical-electronic assembly, installation and post-sales assistance.

Our parts washing systems are conceived to be applied in various industrial sectors, including:

Mechanical industry

Manufacturers of components and small parts

Automotive

Grinding shops

Hydraulics

Users of containers

Road haulage

Car dismantlers

Garages and repairers

Food industry

Fashion and jewellery

Industrial maintenance

The preparatory stage takes into account the client's productivity needs. REYS CP3 offers the best solution for every production need, whether high or medium/low, and implements, too, the client's internal processes. By way of integration with the customized project there is the possibility of including fully robotized workstations.

METALWORKING

chip removal processes
sheet metal forming
emulsion management and maintenance
high performance greases and lubricants

CLEANING

washing and degreasing processes
cleaning of rooms, machinery, plants and systems

SURFACE TREATMENT

metal surface treatment
prepainting of metal and plastic
surface protection

WATER TREATMENT

thermal water treatment
process water treatment

MAINTENANCE

products and services for industrial maintenance
special products according to the Client's specifications

WASHING MACHINES

Industrial washing machines
tunnel washers
customized plants and systems

plus..

product customization based on production cycles
disposal of wastewater generated by your products