



# ROTARY WASHING MACHINES

# RW SERIES



*Laboratory of industrial research*  
*Art. n. 14 of ministerial decree n. 593 of 8 august 2000*

*Ministero dell'istruzione,  
dell'Università e della Ricerca*



G.F. S.p.A.  
Via T. Edison, 3 • 43045 Rubbiano fraz. Solignano (PR) - Italy • Tel. +39. 0525. 300311 • Fax +39. 0525. 300350  
Web: [www.gfe.it](http://www.gfe.it) • E-mail: [gfe@gfe.it](mailto:gfe@gfe.it)



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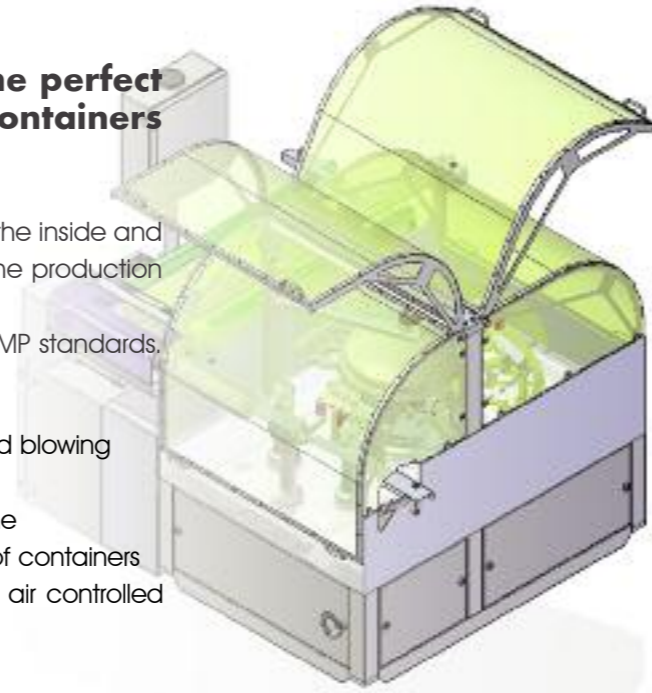
**The RW series of washing machines allow the perfect cleaning and drying of different types of containers like ampoules, vials and cartridges.**

The various stations on the machines are optimized to clean both the inside and outside of the containers and prepare them for the next step in the production process.

The machines are designed and manufactured according to cGMP standards.

**General features:**

- Automatic loading of containers
- Internal and external washing
- Internal and external blowing
- Adjustable washing and blowing sequence
- Adjustable washing time
- Automatic unloading of containers
- Drying system with hot air controlled by thermostat



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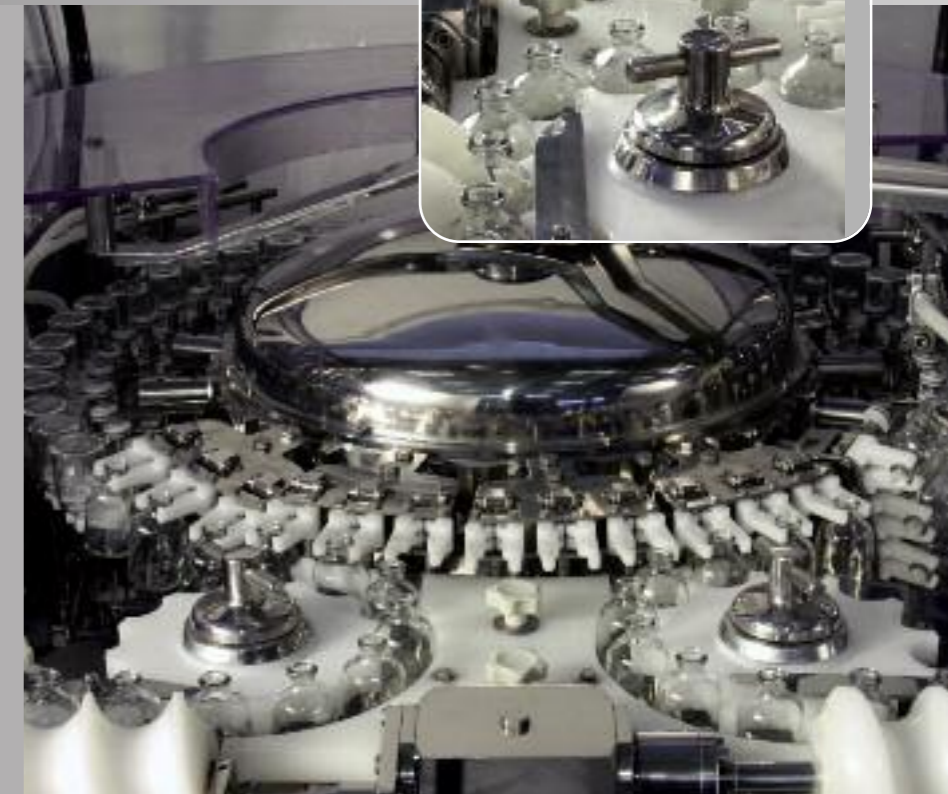


The design of the RW series of washing machines is optimized to reach a correct external internal and cleaning of ampoules, vials, and cartridges which will contain pharmaceutical products. Every container is individually treated by the various stations in the machine and in each position, the nozzles enter inside the container to an optimized level so that the entire surface is covered. The machine design can be customized based on the specific requirements of the customer.

The design of the RW series machines fulfill cGMP standards and allow excellent cleaning and drying performance with ampoules, vials, and cartridges from which any traces of impurity are removed.

**Available options:**

- Infeed module with ultrasonic bath
- Multiple stations with recycled water
- Multiple stations with fresh WFI
- Multiple stations with compressed air blowing
- Liquid recycle tanks with temperature control
- Liquid pumps which are fully sterilizable
- Filter units on each liquid flow path
- Special piping and valves to allow complete automatic draining at end of cycle
- CIP and SIP functionality
- Possibility of executing integrity test for filter cartridges
- Detergent storage tank with automatic dispensing system
- Direct connection to sterilization tunnel
- Additional station for siliconization spray
- Vapor extraction system



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**RW** WASHING MACHINE