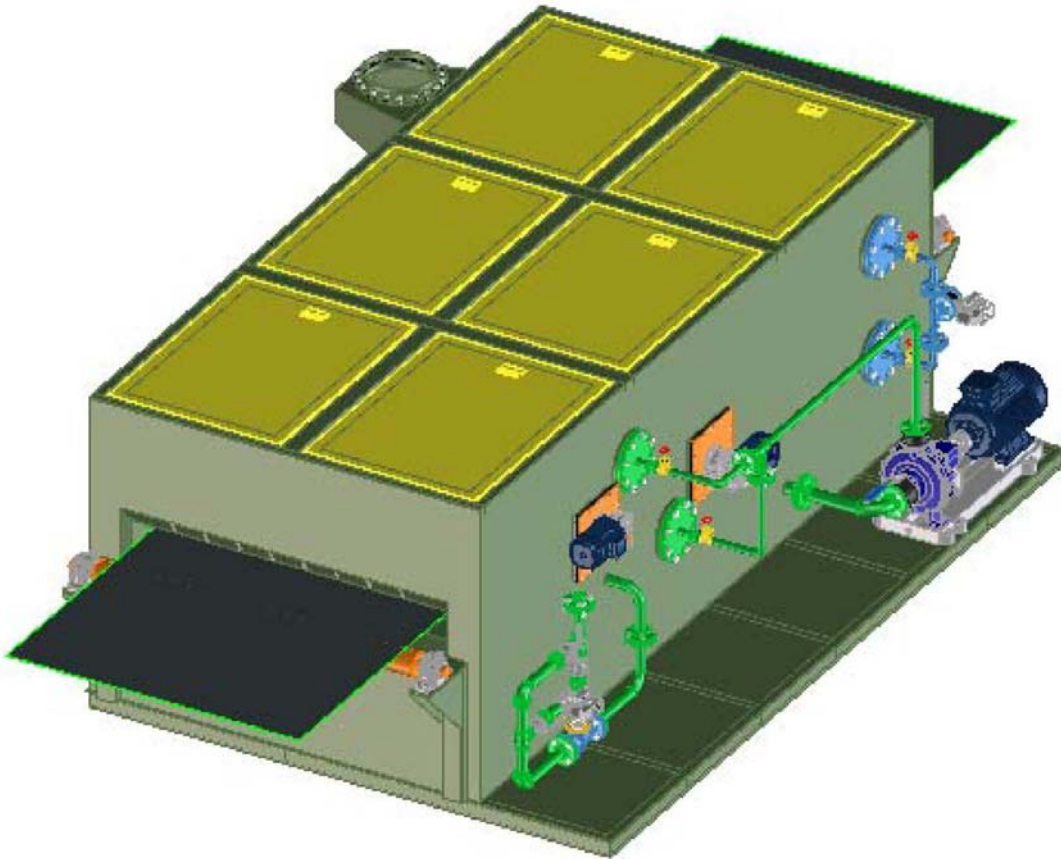


WATER AND MECHANICAL TECHNOLOGY S.R.L.



# STRIPS WASHERS

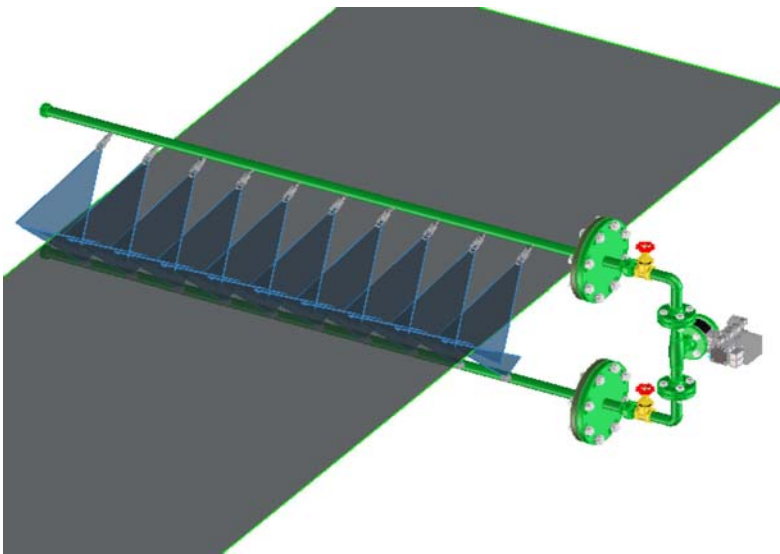
Strip washing machines to install in finishing line before: painting, galvanizing or final oiling; they are configurable according to line with different modular sections: pre-washing, washing, rinsing and drying, optional each washing section will be supplied with a brushing system.

Our washing machine are able to operate with table widths between 200mm - 8" and 2400 mm - 94"1/2 and speed line till 600 m/min - 1,800 ft/min.

They can be installed with: filtering system and deoiling system; they are able to operate in room temperature or supplied with electrical heater; finally they are able to work with low, medium or high pression washing system.



*Longitudinal view of a washing machine with wet brushing system with detergent recirculation and drying system.*



## PRE WASHING, WASHING AND RINSING SYSTEMS

Pre washing, washing and rinsing systems are made by adjustable ramps with high pressure nozzle blade, installed in order to overlay their mark without intersect, improving, in this way, the washing performance.

Each nozzle is completed by bayonet joint so their position can be monitored and kept constant in time both in washing and in nozzle substitution.

As previously said washing ramps can be powered with :

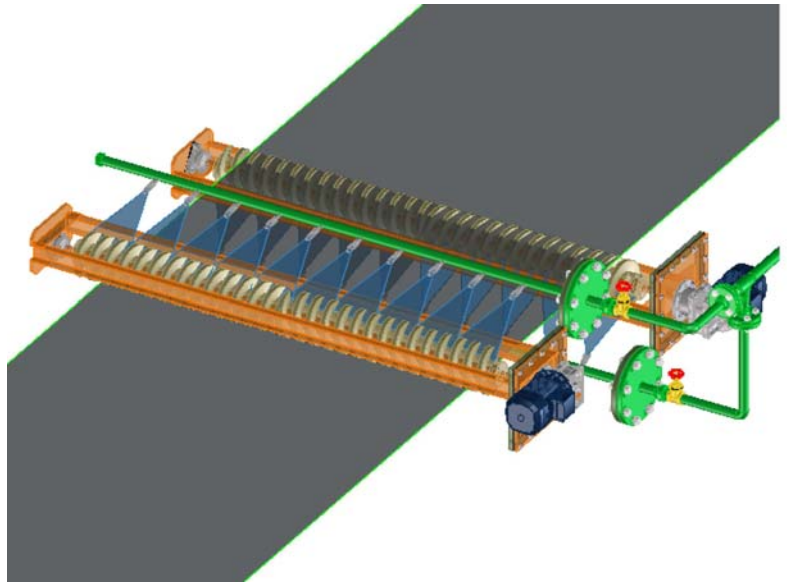
- detergent and disposable water: in this situation the power is provided by a pressure and temperature accelerator in which, using an ejector, are mixed : cold water, steam and eventually detergent, composing a mix of hot water with temperature of 85÷90°C - 185÷194°F and pressure 16 bar - 233 psi, and sent to the strip washing ramps. This system is particularly efficient in case of thrusts of the belt cleaning, and confirms itself extremely reliable because it is composed only by static elements given that there are no pumps in operation.
- detergent and water recirculation: in this situation the ramps power is provided by a pumping group that, according to the working conditions of pressure and temperature, can be composed by centrifugal or volumetrical pumps at low, medium or high pressure head. This solution has better performance reducing water and detergent usage but needs a filtering system and, eventually, a oil skimmer device, in order to keep clean the detergent sent to the washing nozzles. Both this units can be integrated in the washing machine or installed close to its structure as aggregated components .

## BRUSHING SYSTEM

Brushing system is projected and realized to prevent scratches on the strip surface; the brushes, with opposed double helix, improves the cleaning performance pulling the dirt on strip sides.

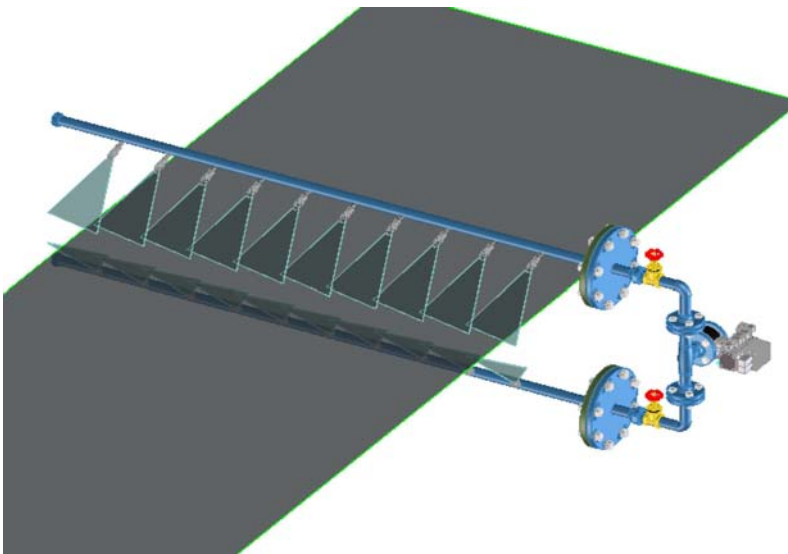
Special washing ramps help to keep clean the brush bristles avoiding the accumulation of residues among them.

The brushing system are installed on ejectable support in order to simplify substitutions and maintenance operations of components.



## BLOWING AND DRYING SYSTEMS

Blowing and drying systems are realized by adjustable ramps with high pressure blade nozzle, positioned to overlap their mark without intersecting improving drying performance of strips avoiding contamination of washing machine and if specified, between every washing section of the washer.



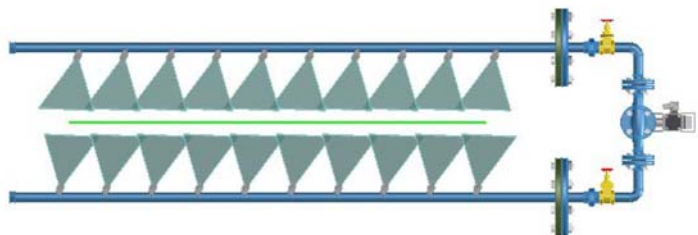
Nozzles are provided with ejectable support to keep constant their position during cleaning operations and their substitution, furthermore their assembly simplify elimination of liquid parts pushing them out the strip.

Blowing and drying ramps can be powered by :

- compressed air net: in this option is provided an interceptor solenoid valve and an in line filtering system .
- dedicated blower unit: in this condition a blower provided aspiration trough filter placed on suction side.

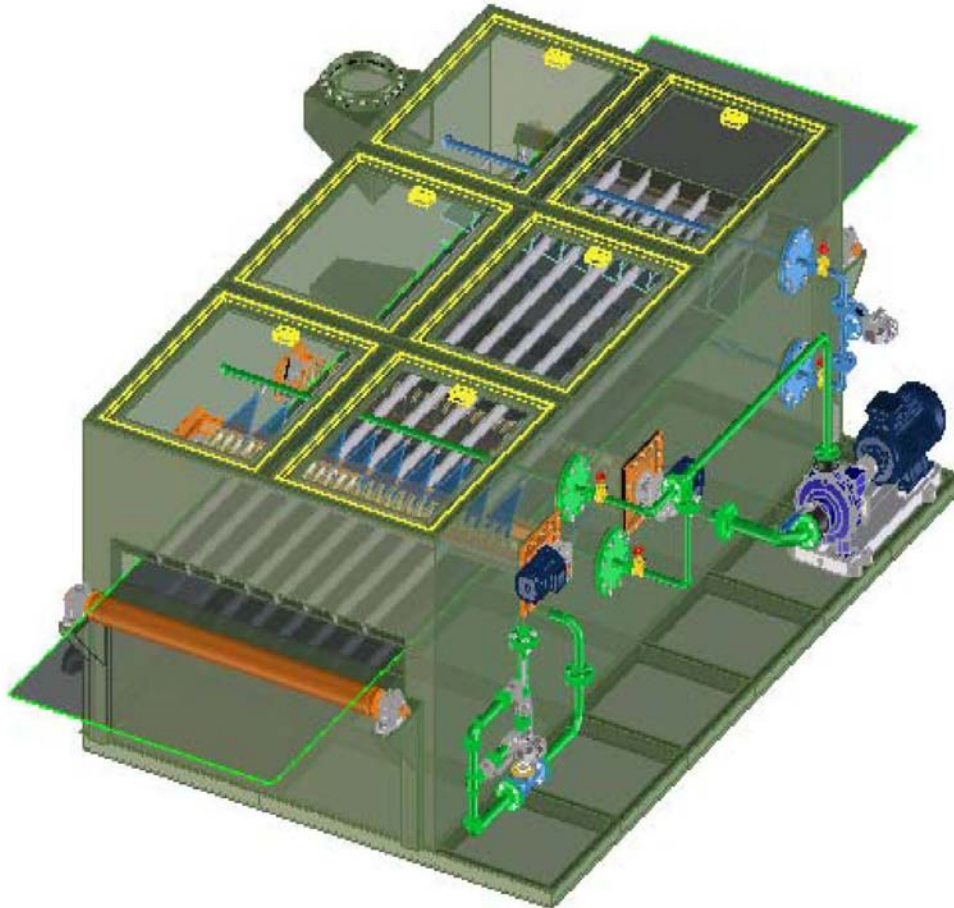
Both the powering options can be equipped with an electrical warming group or with an exchange air-vapor or air-water to guarantee the correct strip drying.

Every drying system is completed by an extractor system that eject the air entered in the washing cabinet composed by propeller fan with drop and particles separator.



Our washing machines can be supplied completed with the following optional:

- Contrasting rollers for low-thickness strips
- Water filling assembly
- A dosage and mixing detergent unit
- Foams control devices
- Electronic system for production line interfacing.



*Washing machine cutaway with wet brushing and blowing ramp system.*

For further information you needs and for product configuration according to your specification, please contact our offices at the following addresses:

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<b>Posta elettronica</b>	<b><a href="mailto:wmt@wmt.it">wmt@wmt.it</a></b>	<b>E-mail</b>