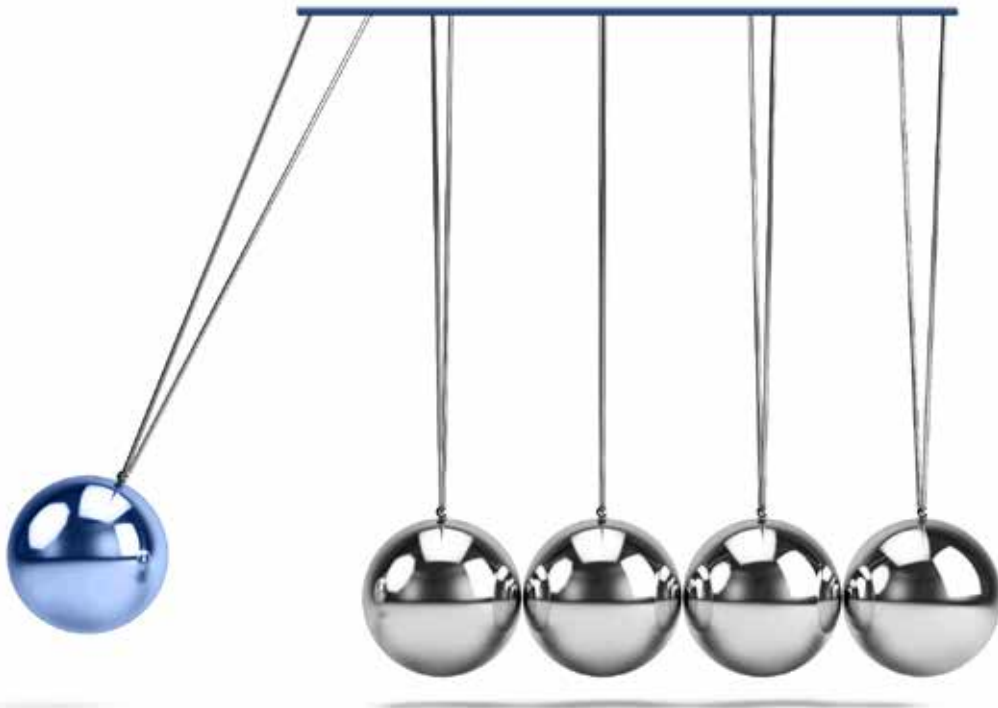


# Wanny

---

MODULAR CONTINUOUS  
WASHING RANGE IN ROPE FORM



LET YOUR FABRIC  
FLOW IN CONTINUOUS!



Pre-bleach & Optical Whitening



Desizing



Washing After Printing



Reactive Soaping

# Wanny



## SHOULD I GET IT ? WHY?

WANNY idea comes from the need of performing in continuous all the chemical processes traditionally executed in batch dyeing units, in a trouble-free and repeatable way, without any abrasions, crease marks or unevenness.

Suitable for both knits and wovens, Wanny is the ideal tool for the preparation step, before printing or dyeing. It's also perfect for removing the residual chemicals or colors before the finishing step.

WANNY offers clear advantages in production outputs, industrial repeatability of the processes, together with consistent savings of water, chemicals and logistics. On top of that, it allows to better exploiting the existing batch dyeing setup, now purely focused on the dyeing step.

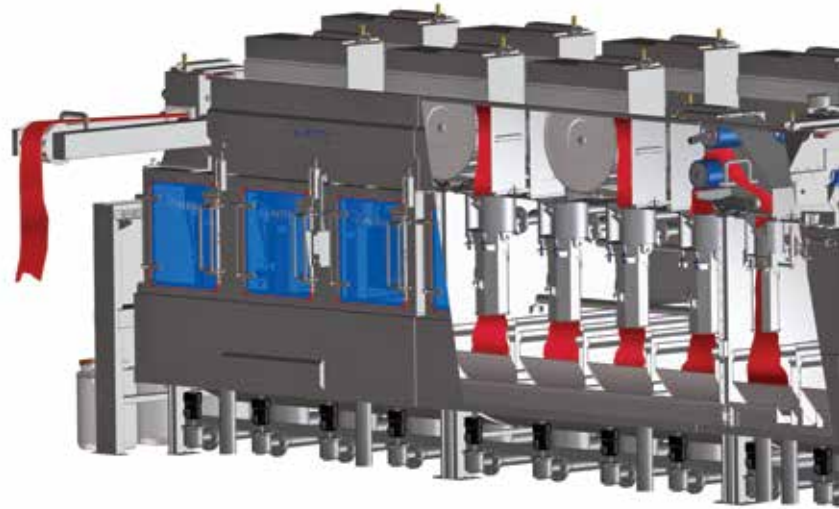
In terms of washing processes, particularly on knitted goods, WANNY enhances the final quality of the product thanks to its gentle action in rope form, by avoiding undesired tensions, often resulting in a bad performance on stability and handle.

Wanny modularity - 3 options available - gives total versatility in production speed, while embracing the widest range of processes.

**LET YOUR FABRIC FLOW  
IN CONTINUOUS!**







## ALTERNATED MOTION

### ACCUMULATION

The exclusive system of fabric back-and-forth motion multiplies the active time of the process (water/fabric exchange in the nozzles).

### DWELL TIME

The alternated motion ensures a much longer dwell time, and without equals among the existing continuous washing ranges.

## WASHING EFFICIENCY

### FREQUENCY

The back-and-forth motion enables a fabric pass in 4 nozzles every minute: about 10 times more efficient than conventional batch processes.

### COUNTER-FLOW NOZZLES

During the back-and-forth motion, the fabric is washed alternatively in its flow and counter-flow direction, resulting in a very efficient and intense washing effect.

## TUBULAR AND OPEN WIDTH

The size of the nozzles and the continuous movement of the fabric allow the processing for both open width goods (either knits or wovens) and tubular knits, without creases, abrasions or defects.

## QUICK MODULE

Ideal for washing after printing in order to remove and drain off the excess of color. Composed of 4 vats on 2 channels, it creates an intense and very frequent water / fabric exchange, made possible by a double number of nozzles (with a narrower diameter) and 2 soft squeezing units.

## CHEM MODULE

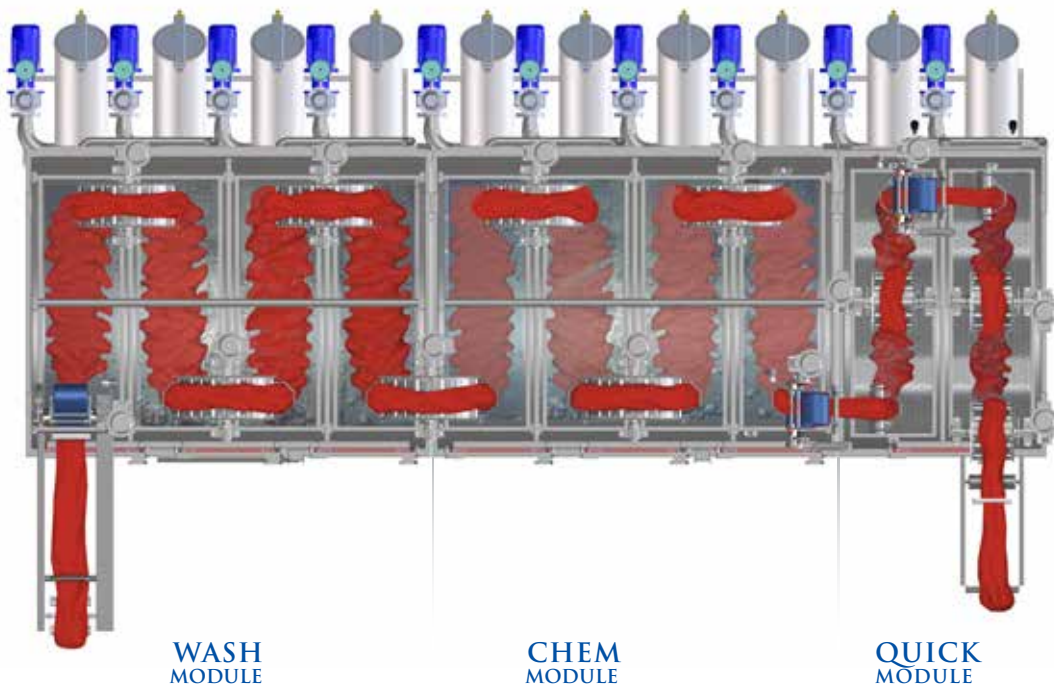
Designed for chemical processes (bleach, optical whitening, antipilling and stripping), CHEM Module is composed by 4 vats and 8 nozzles with counter-flow bath with a single drain. A higher water level allows enough dwell time for the fabric to react with the chemicals while inside each vat.

## WASH MODULE

The WASH module is designed to perform rinsing and neutralizing processes with a higher intensity of water recirculation. Composed by 4 vats and 8 nozzles, it can be further divided in a 2 x 2 configuration with double water / chemicals entry and double drain. This expands the possibility for dosing an even higher number of chemicals and can also work in a standard 4 vats counter-flow setup but with lower water levels.



APPLICATIONS	EFFECTS
<b>CHEMICAL PROCESSES</b>	<ul style="list-style-type: none"> <li>• Preparation Bleaching</li> <li>• Full White, Optical whitening</li> <li>• Antipilling</li> <li>• Polyester Stripping</li> </ul>
<b>DESIZING</b>	<ul style="list-style-type: none"> <li>• Yarn dyed desizing</li> <li>• Synthetic fabrics spinning oil washing-off</li> </ul>
<b>WASHING AFTER PRINTING</b>	<ul style="list-style-type: none"> <li>• Washing after disperse printing</li> <li>• Washing after reactive printing</li> <li>• Washing after pigment printing</li> <li>• Vat Printing</li> </ul>
<b>NEUTRALIZING</b>	<ul style="list-style-type: none"> <li>• Soaping of reactive dyed fabrics</li> <li>• Neutralizing wash after tubular mercerizing</li> </ul>



# NEW TECHNICAL FEATURES



## 1 WATER FLOW

The water moves in a counter-flow logic as in a conventional washing range. The number of water inlets, drains and water levels will differ according to the module type (QUICK, CHEM or WASH).



## 2 DYNAMIC NOZZLES

8 flows per module (of which 4 against the stream) keep the fabric constantly wet with water & chemicals. The dynamic nozzles also enable the fabric inversion (international patent).



## 1 DOSING STATION

The whole setup is totally flexible with customized number of pumps for chemicals and precision dosing for auxiliary products (caustic soda, enzymes, acetic acid, peroxide, wetting agents, detergents, etc...).



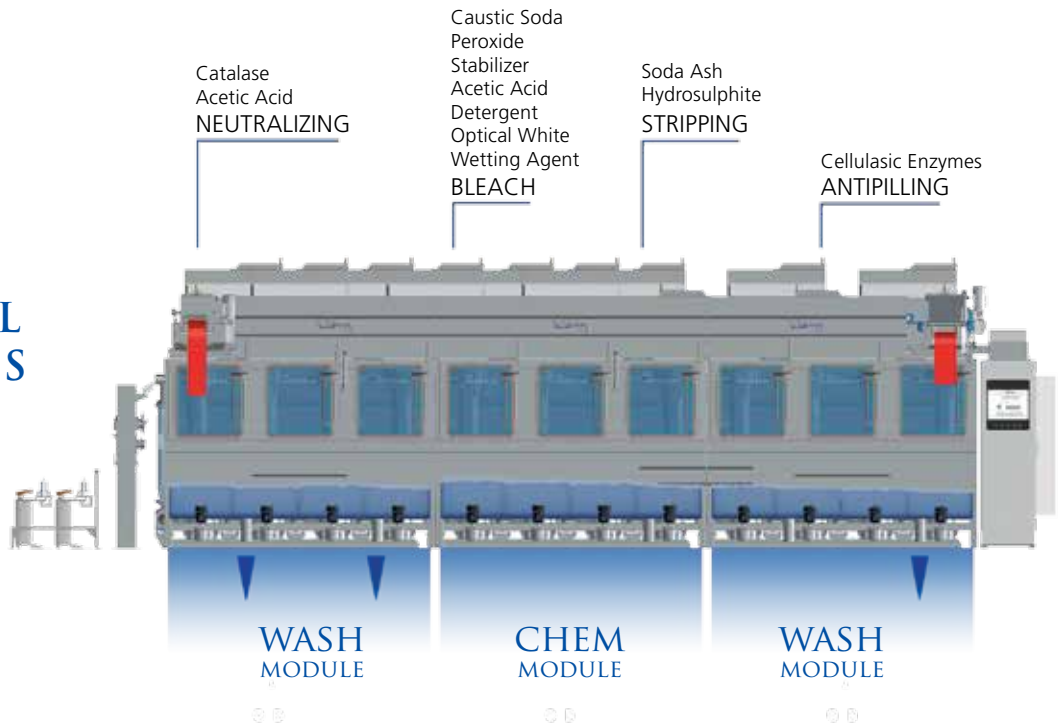
## 2 INDIPENDENT VATS

Each kier is equipped with its own pump, filter and heat exchanger. The water flows in counter-current direction and the temperature control is independent on each vat.



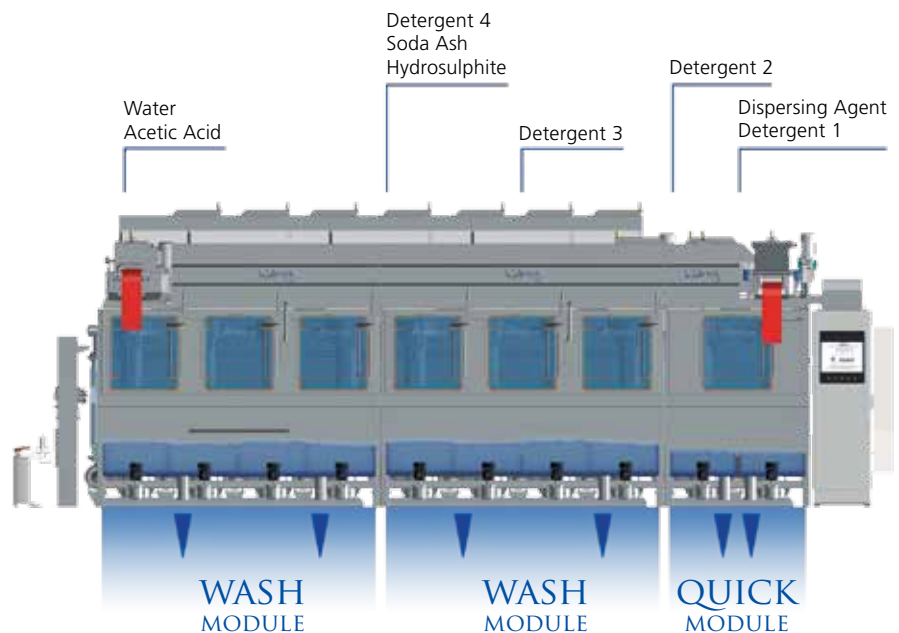
## CHEMICAL PROCESSES

Pre-Bleach  
Optical Whitening  
Anti-Pilling  
Stripping



## WASHING AFTER PRINTING

Disperse Printing  
Reactive Printing  
Vat Printing  
Pigment Printing





## ENAIRGY

Continuous drying, steaming and tumbling equipment in open width and rope form.

## DREAMAIR

Continuous range for enzyming and chemical processes in rope form.

## WANNY

Continuous modular overflow.

## DESAIR

Continuous drying, steaming and tumbling equipment for tubular and open width knits.

## FOULARD

Squeezing and impregnation mangles with 2 or 3 rollers.

## TRIPPO

Modular discontinuous rotary drum tumbler.

## PENTAIR

Discontinuous washing, drying, steaming and tumbling equipment.

## FUTURA

Milling & Scouring equipment for worsted wool and blends with exclusive 3 Rollers traction system.

## PENTA

Complete milling and scouring line with 2 or 4 channel with double upper shaft.

## FLYAIR

Continuous Tumbler in rope form.



[WWW.PENTEK.IT](http://WWW.PENTEK.IT)

**PENTEK TEXTILE MACHINERY SRL**

Via Parugiano di Sotto, 41 | 59013 Montemurlo (PO) ITALY

tel. +39 0574 064594 | fax +39 0574 064580 | [info@pentek.it](mailto:info@pentek.it)

