

SANTEX
RIMAR
GROUP

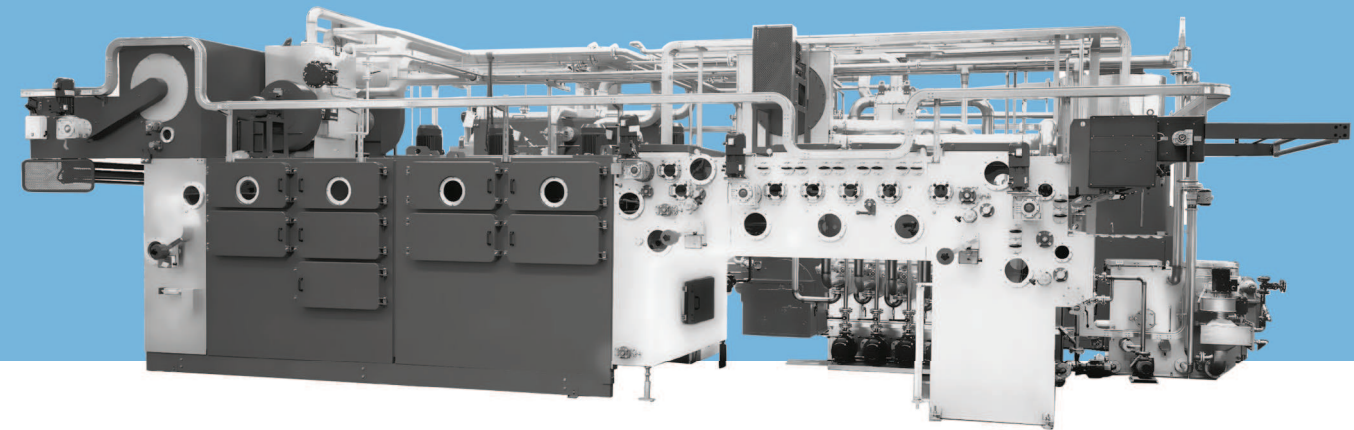
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SperottoRimar

*Tradition is our strength
Innovation is our mission*

CAVITEC® ISOTEX®   SOLWA SperottoRimar

NOVA



NOVA

CONTINUOUS SOLVENT SCOURING MACHINES
FOR TEXTILE FINISHING

SANTEX RIMAR GROUP Worldwide

- Italy
- Switzerland
- China
- India

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NOVA
Dry To Dry continuous water-free scouring machine

The continuous solvent scouring machines mod. NOVA is the results of Sperotto Rimar several decades experience in solvent Dry To Dry scouring technology.

The solvent employed among several, represent the best choice, considering: scouring efficiency, chemical/physical stability and environment impact.

The available models satisfy different production and working width needs.

Production: from 200 up to 1200 Kg/h. Working Width: from 1.8 up to 4.2 mt.

They are suitable to treat a large variety of kind of fabrics differing, for structure and compositions. NOVA represent an excellent cleaning solution for synthetic and stretch synthetic/elastan fabrics for swimwear, active-wear, underwear, automotive and technical textile applications.

The ability to remove spinning and weaving oils, silicon oil, unfixed dyestuff and synthetic fibres oligomers, makes the continuous solvent scouring an outstanding cleaning technique.

PROCESS

Scouring: the highly efficient combined action, of several baths in counter-flow with adjustable high pressure spraying nozzles, ensures excellent degreasing results and extremely effective dirty removal.

Drying: the two dry systems, drum and conveyor belt, assure the complete textile fabric drying even if it has particular structure or with severe selvedge curling. In the drier, the air is recycled in a closed loop comprising a condensing device which assures the adequate solvent/air saturation conditions for a complete fabric drying.

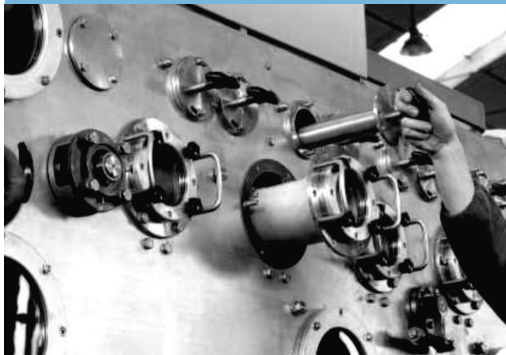
Deodorizing: the unit, at the machine exit, in which the residual solvent smell on fabric is removed by clean air, properly recycled in a closed loop circuit with a device to filter in continuous the air recycled.

Solvent recovery: all the dirty solvent, coming from scouring unit is recovered by distilling. The oils/sludge accumulation is kept under control by a totally automatic discharge loop, which starts whenever the accumulation level overcome limit set. Distilled solvent is stored in solvent clean tank from where is again taken to be used in the scouring unit.

Contact water treatment: the water which got in contact with solvent is treated by a specific device to remove any solvent residues allowing a discharge of unpolluted water.

The described process and recovery-filtering systems assure the closed loop of NOVA operating process. This means that there is not exchanges of air with external environment.

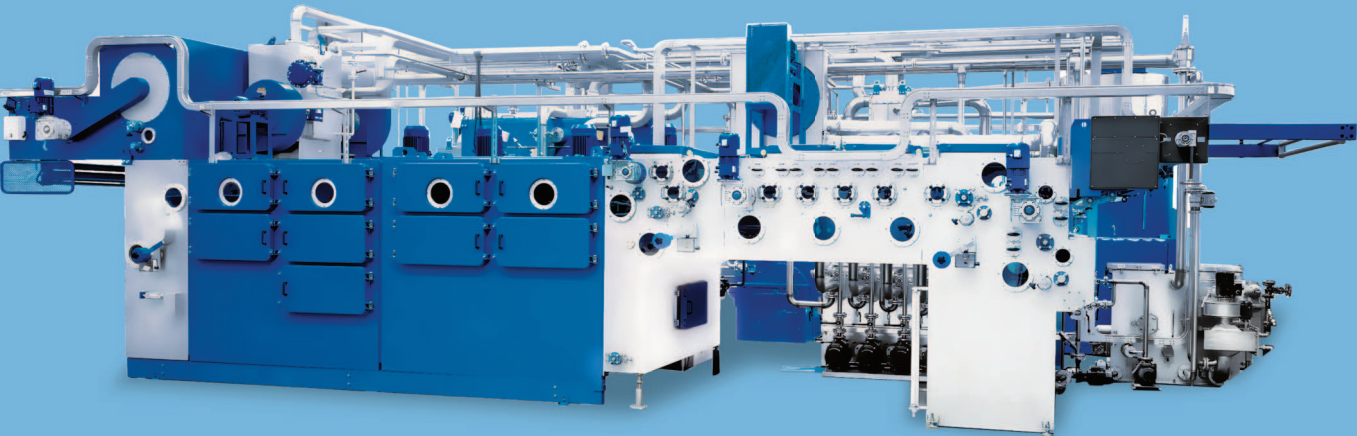
The process is in compliance with the strict and stringent environmental regulations as the European and USA.



Easy maintenance: spraying nozzles and below suction unit



Primary distillation unit pre-heating



ADVANTAGES OF NOVA

- No environment impact
- Solvent scouring a huge water saving
- Energy required for drying reduced nearly 10 times the energy consumption
- No use of auxiliary chemical or detergents
- Reduced both operating costs and pollution in stenter process

APPLICATIONS

- Scouring of grey woven or knit fabrics before heat setting or dyeing/printing
- Scouring after dyeing, to remove unfixed dyestuff

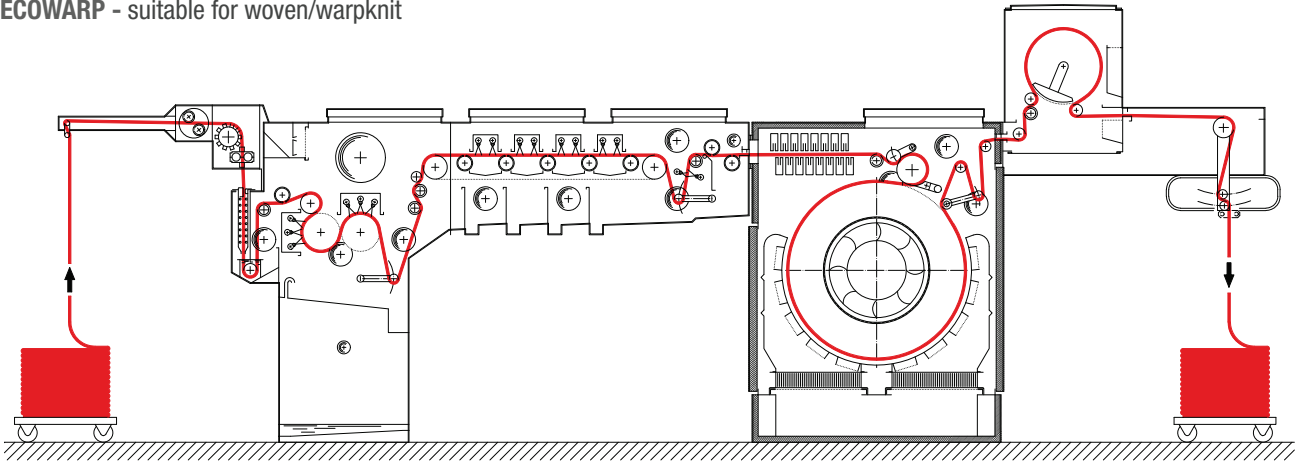
FIELD OF APPLICATIONS

- Woven, warp-knit and circular knit fabrics
- Synthetics: Polyester, Polyamide, Lycra Viscose and their blends
- Wool blend with polyester or polyamide
- Silk and its Blends
- Fabrics with Elastan

TECHNICAL DATA

Roller width	2000 - 4400 mm
Working width	1800 - 4200 mm
Connected load	53 - 190 kW
Absorbed load	45 - 140 kW
Dryer Perchloroethylene evaporation capacity	600 / 1200 kg/h
Avg. steam consumption at 6 bar	500 - 1400 kg/h
Avg. cooling water consumption at 3 bar, 20° C	10 - 35 m3/h
Compressed air consumption at 6 bar	200 NI/h
Solvent consumption (as pct. of scoured fabric weight)	< 2%

NOVA ECOWARP - suitable for woven/warpknit



NOVA ECOKNIT - suitable for all kind of fabric structure, specific for circular knit

