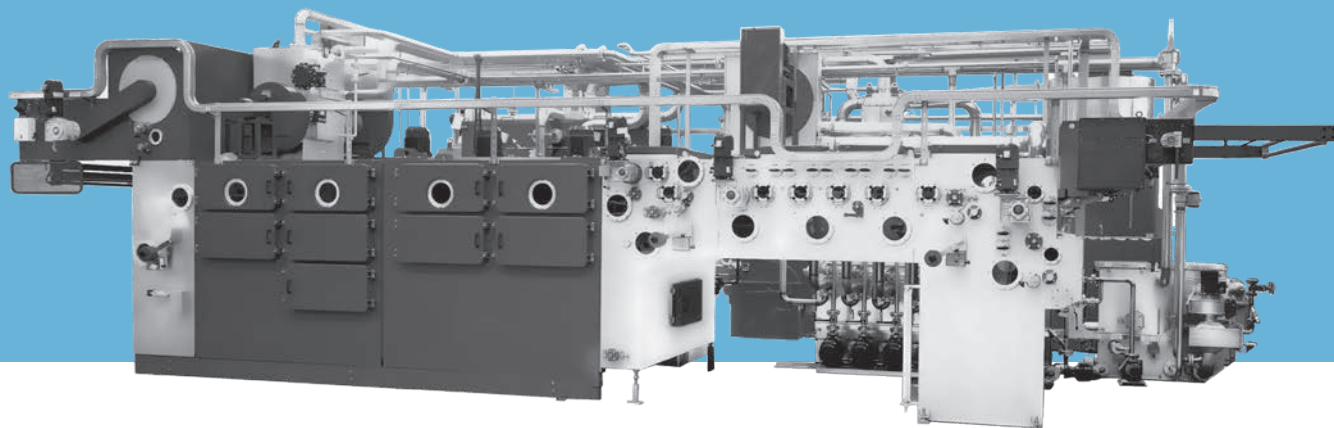


SANTEX
RIMAR
GROUP

SperottoRimar

*Tradition is our strength
Innovation is our mission*



NOVA

CONTINUOUS SOLVENT SCOURING MACHINES
FOR TEXTILE FINISHING

NOVA

Dry To Dry continuous water-free scouring machine

The continuous solvent scouring machines mod. NOVA are the result of Sperotto Rimar's several decades experience in solvent Dry To Dry scouring technology.

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

The available models satisfy different production and working width requirements.

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

A wide variety of fabric types, with different structures and compositions can be processed. NOVA represents 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 fibers 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 dirt removal.

Drying: the two dry systems, drum and conveyor belt, assure the complete fabric drying, even in presence of particular structures 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.

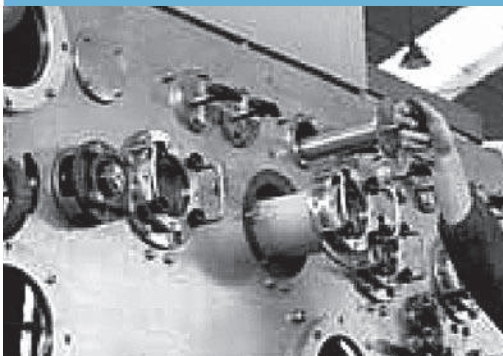
Deodorizing: the unit is placed at the machine exit, inside which the residual solvent smell on fabric is removed by clean air, suitably recycled in a closed loop circuit equipped with a device to filter the air in continuous.

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 overcomes the set limit. The distilled solvent is stored in a clean solvent tank, from where it is again fed and reutilized in the scouring unit.

Contact water treatment: the water which came in contact with solvent is treated by a specific device to remove any solvent residues thus 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 are no air exchanges with the external environment.

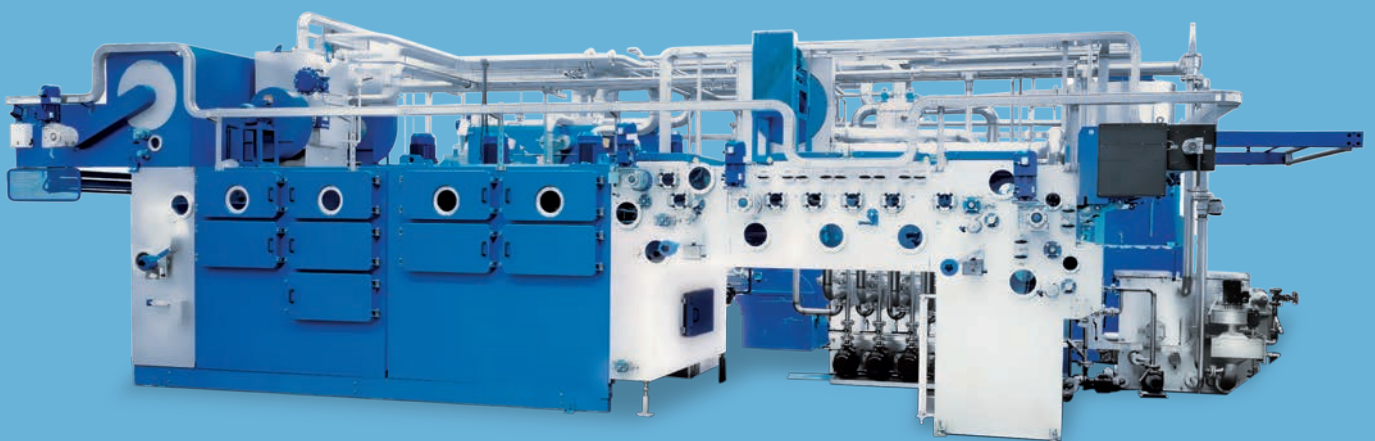
The process is in compliance with the strict and stringent environmental regulations such as in Europe and USA.



Easy maintenance: of spraying nozzles and suction unit



Primary distillation unit pre-heating unit.



ADVANTAGES OF NOVA

- No environment impact
- Solvent scouring a huge water saving
- Energy required for drying reduced by nearly 10 times in respect of water scouring
- No use of auxiliary chemical or detergents
- Reduced 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

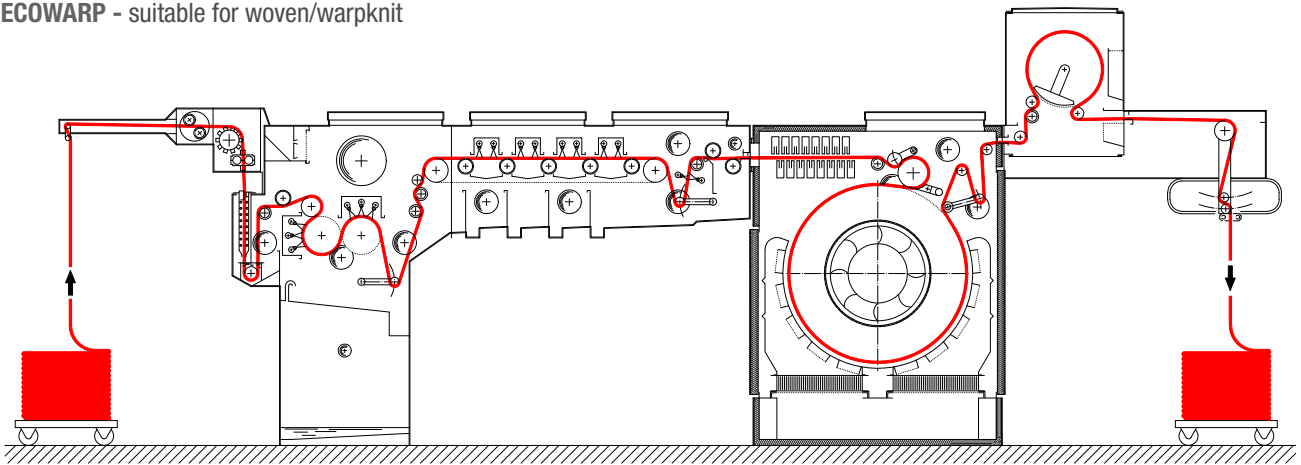
FIELD OF APPLICATIONS

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

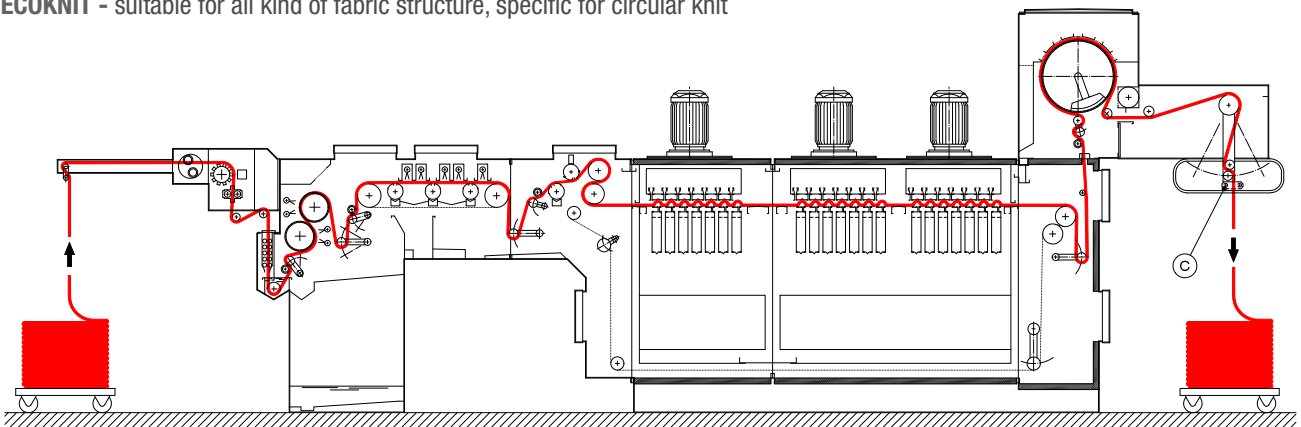
TECHNICAL DATA

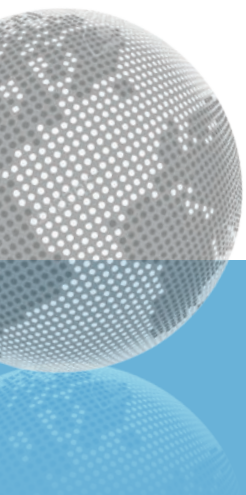
Roller width	2000 - 4400 mm
Working width	1800 - 4200 mm
Installed power	53 - 190 kW
Absorbed power	45 - 140 kW
Dryer Perchloroethylene evaporation capacity	600 / 1200 kg/h
Avg. steam consumption at 6 bar	500 - 1400 kg/h
Avg. cooling water consumption at 3 bar, 20° C	10 - 35 m ³ /h
Water is totally recoverable unpolluted at 40-45° C	
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





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NOVA

SANTEX RIMAR GROUP Worldwide

- Italy
- Switzerland
- China
- India

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