

SASPE

redmanizing™
surface treatment system

raising machine
with drum speed up to 380 rpm

hight cutting system
shearing machines

saspelab line

BLANKA
KAESATTA
VERSATOUCH
SASPELAB

blanka

raising machine



BLANKA is the synthesis of a continuous and perfect automatic control of all the working parameters and their synergies.

BLANKA allows to work keeping the fabric at the minimum necessary tension to carry out the raising process, and to maintain it constant by means of an electronic loading cell tension control (international patent) checking directly on the fabric the set tension.

BLANKA has been technically conceived so to ease the use by the operator and to reduce the time needed by maintenance operators.

These are the main features:

- Automatic diagnosis system for the cleaning, the lubrication and the scheduled machine's belts check.
- Working rollers belts put inside the cleaning brushes so to allow their fast replacement without intervene onto the alignment between the brushes and the working rollers.
- Introduction into the market for the first time of the independent motorised brushes.
- First time that loading cells have been used on a raising machine for the tensioning control.
- Use of a simple and complete keyboard to facilitate the use by all operators.
- Use of a sensible feeding system for the inverters' tunnel to avoid that fabric might break during any of the sudden drum's braking due to emergency stops or electric line drops.
- Use of an innovating and special sensor to check the seam when the strength applied during the passage of it on the drum is required to be nullified.
- Application of a particular suction hood studied to produce the

maximum air speed as possible during the exhausting of dust and hair produced by the raising process.

- Use of commercial and raw materials of the best trademarks and only of high quality to grant sturdiness and reliability to the machine.



ESATTA is composed by one or two overlapped modules. Each one is a complete shearing machine and according to its configuration it is able to cut the face or the back of the fabric.

The machines can be configured in line up to the desired number of cuts. It is also possible to have one shearing module on the upper part of a single drum BLANKA raising machine.

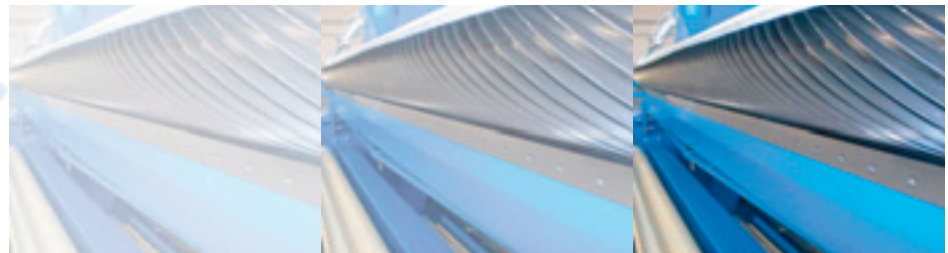


esatta

shearing machine

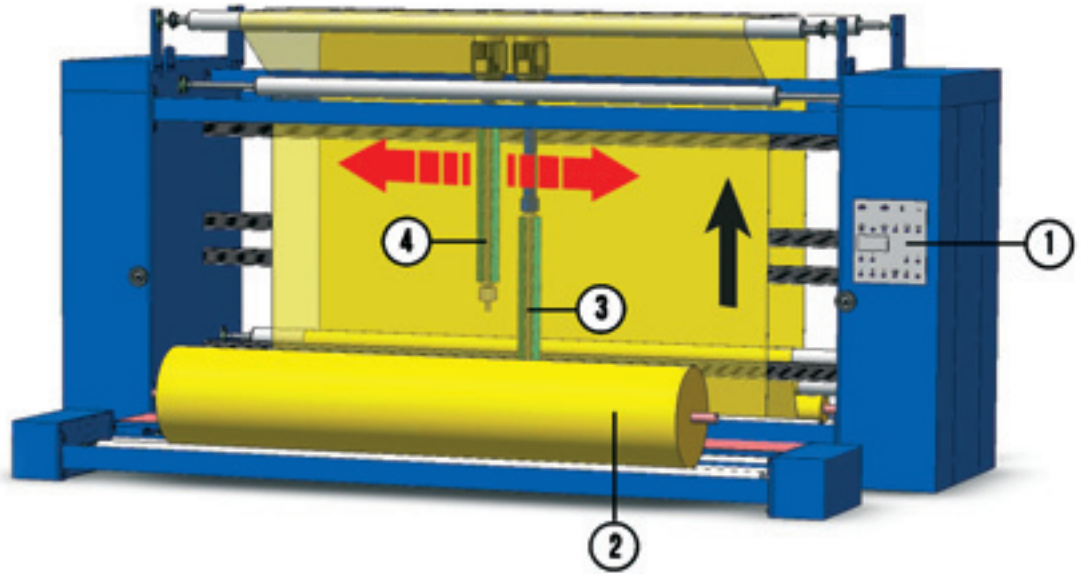
These are the main features:

- Electronic loading cells for the fabric tension control. With this device the machine have the capability to control and manage in real time and continuously the set tension values and to react automatically for the necessary adjustments. Esatta can guarantee of an even, correct and reproducible fabric tension during the entire shearing processes and especially during the seam passage. Every shearing unit has it own electronic loading cell placed before the cutting blade.
- Fabric unnecessary tension elimination, the fabric pass is short as much as possible to avoid unnecessary tensions.
- Special shearing comb design, made in order to have one special angular distance of opening space between the shearing blades and the comb.



esattaWarp

new shearing machine



- 1 = Control Panel
- 2 = Fabric Unrolling device
- 3 = Shearing Group 1
- 4 = Shearing Group 2
- 5 = Fabric Rolling device

After several years of study and research, Saspe is now glad to introduce its brand-new machine **ESATTA WARP** featuring a worldwide innovative and revolutionary concept of shearing. This machine can split and shear loops and floating yarn into warp in one single step.

Up until now warp cutting technology has only seen discontinuous, old-fashioned, slow, imprecise, unreliable and very expensive systems which have severely limited design creation and application due to these configuration.

The main innovation offered by **ESATTA WARP** is a revolutionary system which allows "vertical" operation to the shearer so as to split and shear loops, residual yarn and hair towards the fabric sliding direction.

The Esatta Warp has a variety of uses and offers endless possibilities for applications precluded or limited up until now. It suits traditional areas perfectly (such as fabrics for drapery, tapestry, underwear, trimming, car/automotive, clothing, foulards, scarfs, stoles, ties and many other textile sectors) and new growing key sectors such as that of technical fabrics manufacture where Saspe has been successfully operating for many years.

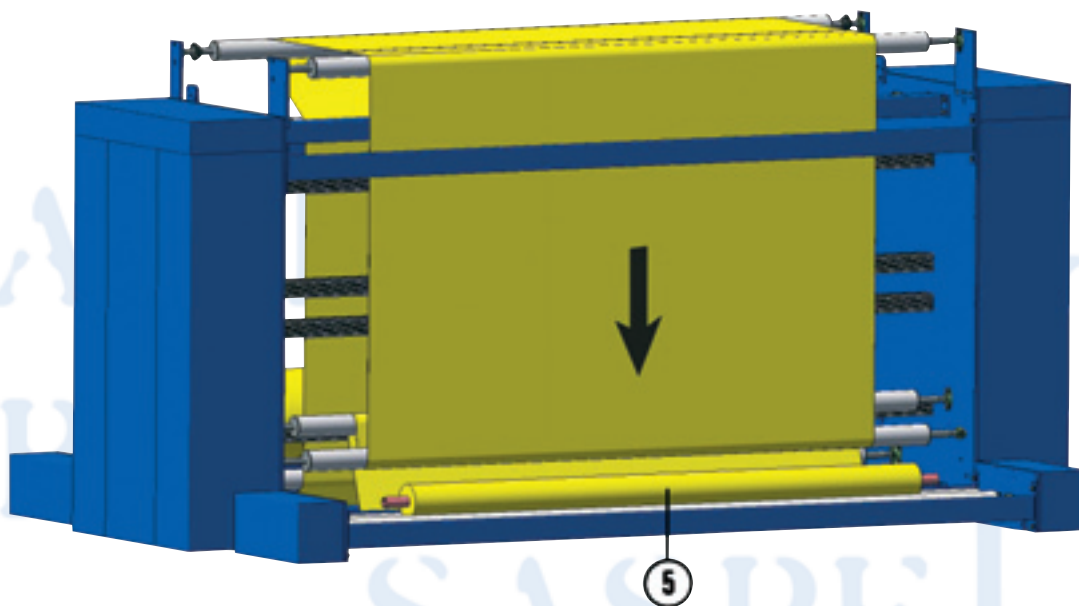
The **ESATTA WARP** can process any kind of material, natural or synthetic.

Thanks to the support and the guarantee of progress monitoring by an end user, it has been possible to obtain excellent results in a very short time.

The new shearing machine **ESATTA WARP** is protected by an International patent.

The main advantages from the use of the **ESATTA WARP** are:

- Splitting of loops into warp and shearing in one single step and with one machine only. This means time and costs saving.
- Substantial reduction in loss of material due to fabric shrinkage. This is obtained from the abolition of the intermediate tentering process (because two operations are carried out at the same time).
- Operation in continuous. Interruptions because of yarn jamming between the shearing drop wires are now eliminated.
- Possibility of creating new loom patterns which up until now were precluded by the poor developments in the yarn cutting technology (where yarn connects one pattern to another).
- Possibility of shearing both the front and the back side without affecting neither the quality nor the strength of the fabric structure.
- Possibility of crosswise processing of fabrics without measure restriction due to the mechanical bending problem that traditional horizontal shearing machines used to have.



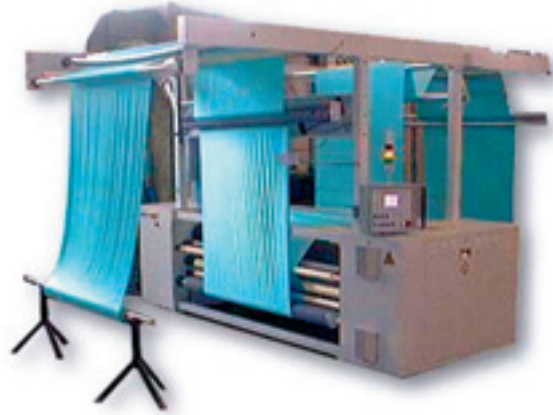
Surface Treatment System

versataouch

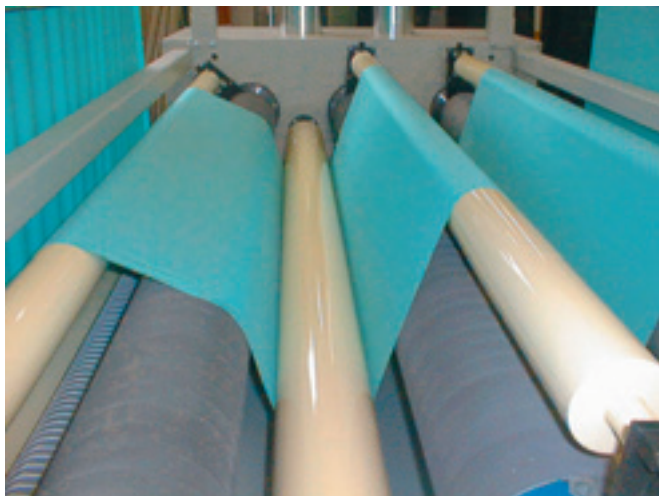
featuring Durasuede® by Redman

redmanizing™ machine

SASPE VERSATOUCH is a machine whose main characteristic is the new concept of surface treatment defined as "Redmanizing" which is considered half way between a slight raising and a strong sueding. Degrees of pile ranging from "peachskin" to a low dense coverage can be accurately controlled through variable contact, speed, and tension of the fabric.



The Durasuede® wire, heart of the machine, from Redman the idea for Durasuede® was derived from the problems associated with sandpaper, which include short working life, variations in effect as well as lines in the finished fabric.



The idea was to make a wire with a strong bend and treat the top surface of the wire to simulate the working of the sandpaper. Several specifications were tested until the current design was proven best suited for the emerizing process. Though many successful results were achieved on a variety of sueding machines, certain machines proved to be too limited in adjustment of speed, tension and contact to fully realize the flexibility and power of the Durasuede® wire.

Collaboration between Redman's technical staff and SASPE resulted in the **VERSATOUCH STS** machine.

The **VERSATOUCH STS** featuring Durasuede® has proved to be an exciting and new surface treatment system that allows tremendous versatility in surface effects due to precise control and wide range of adjustment in contact, tension and line speed.

The **VERSATOUCH** main advantage are:

- Low cost of use and maintenance.
- Versatility to use the machine for different materials and application.
- Easy use and maintenance of the machine.
- Low tension create on the material processed.
- High speed of production.
- Low noise during the operation.
- Use of Patented technology create by the Redmanizing™ system by the Durasuede® wire.



saspeLab

machines

Thanks to the considerable experience gained in the manufacture of machines for the finishing fabrics surface treatment, Saspe has designed and built a new line of machines for lab and production, which can be employed by manufacturers of narrow fabrics, by textile labs and by schools (technical schools and universities) for staff training purposes.

SASPE LAB range of machines includes a 6-cylinders or 12-cylinders Raising machine, a Shearing machine, Sueding machine equipped with emery paper, Durasuede® wire or with abrasive brushes.

These three machines can be employed in the industrial fields in many different ways: manufacturers of narrow knitting, medical fabrics (i.e. gauzes...), technical fabrics (i.e. tape, filters...), shoe fabrics, trimmings, ribbons.



These machines can also be employed in lab tests, first of all to simulate surface treatments (raising – shearing – sueding) and therefore to test both the resistance and the shrinkage of fabrics after their being through finishing processes.

As far as the training of personnel is concerned, the Saspe Lab line is very interesting as machines which due to their big dimensions and difficulties in management, (suction system, folder...), did not previously fit the needs of schools can now be employed in schools against a contained investment.

All three machines can be supplied either in working width of respectively 500 mm or 1000 mm. Its main working part (raising drum, shearing cylinder or sueding roller) movement is driven by inverter.

SASPE

TEXTILE MACHINES

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