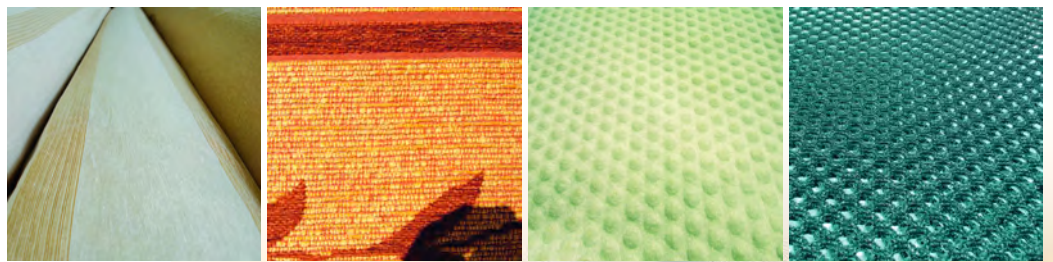


# suchy

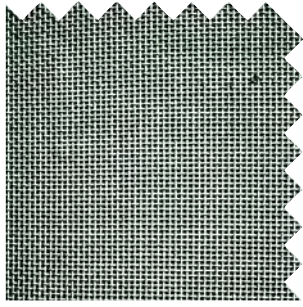
Textilmaschinenbau GmbH

***... does more  
than getting fabric  
in shape***

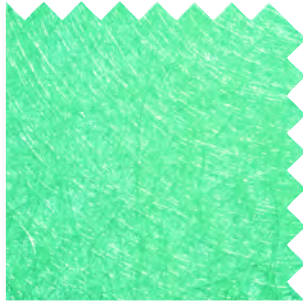




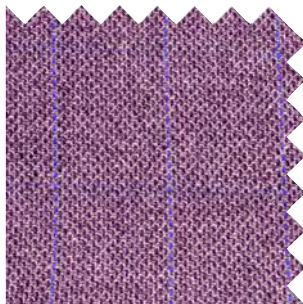
## *... does more than getting fabric in shape*



New, unimagined dimensions and qualities of textiles and other fabrics are taking the markets by storm and continue to face man and machine with ever-growing demands.



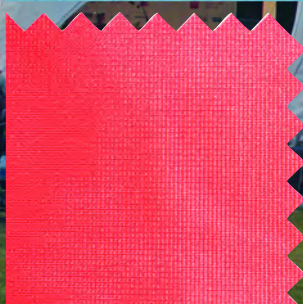
Whether goods of natural fibres, synthetics, minerals or mixtures thereof; whether woven, knitted, needled or pressed; whether apparel, transport, building, geo-textiles or environmental protection – They all demand the latest in treatment technologies.



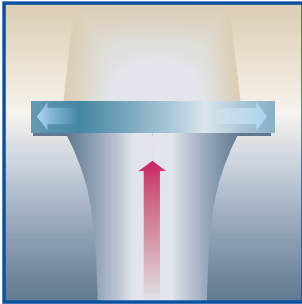
Whenever you need special solutions and innovative, customized equipment to protect market shares in your application we can prove our experience and competence.



The combination of function, effectiveness and efficiency has been implemented in the following examples as future-oriented technological solutions.



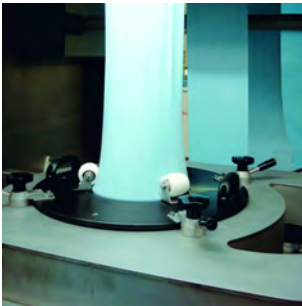
# ... more than good dehydration



## SUVAC® – Vacuum Dehydration for Tubular Fabrics

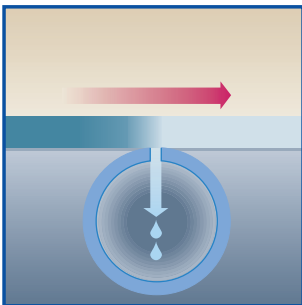
In contrast to centrifugation and padding the new vacuum dehydration technology lives up to the highest demands in quality.

The SUVAC®- process is based on a ring suction nozzle specially developed for this application, and the Suchy disentangling system.



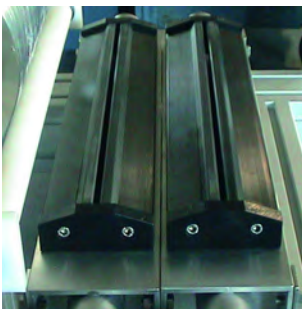
In the quickest way possible the tubular fabric is disentangled, opened and dehydrated by passing the ring suction nozzle. The fabric is dehydrated across its entire circumference in a very even, gentle and effective way.

There are no irreversible creases, wrinkles or other unwanted fabric distortions. The fabric is also slightly stretched across its width which straightens the meshes according to their original structure. These effects brought about by the ring suction nozzle remain in the fabric until plaiting and thereby guarantee excellent residual shrinkage values after completion of the subsequent thermal processes.



## VACO – Vacuum Dehydration for Open Fabrics

The VACO – suction unit as a standalone machine or as part of a continuous process is an even, high-efficiency, yet gentle dehydration mechanism for textiles of various qualities in open form.

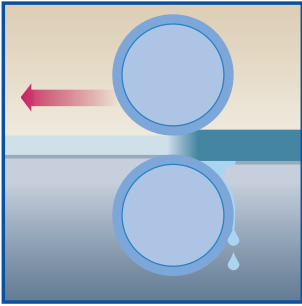


Above the suction pipe assembly there is a special slot nozzle whose geometry guarantees low residual humidity values. Even in case of extra wide fabrics this vacuum dehydration unit retains its full effectiveness and evenness.

The combination of separator, fan, muffler, pump and controls which makes up the VACO suction unit operates almost maintenance free at a high long-term availability.







### SUPAD – Squeezer and Padders

With their application-specific roller systems padders are ready to face even the most complicated materials and technologies.

Whether the rollers are paired horizontally or vertically the evenness of pressure, independent of line loads and working widths, delivers the necessary security in the production process.



### In their application

- as a standalone machine, fitted with all the necessary additional components,
- in-line, combined with other plant assemblies, e.g. in front of a stenter frame,
- as a retrofit unit with existing assemblies,
- as a dehydration padder, fitted with an intermediate roller (baby roller),
- with aggressive media, in stainless steel,
- for wet-in-wet processes, as double padder,
- as pigment dye padder

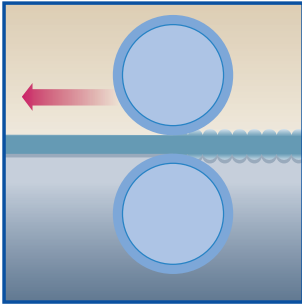
SUPAD-systems deliver solid and reliable services.

The design of the padder trough is governed chiefly by the application profile. To accommodate these applications numerous trough variants are available:

- for short or long dwell time,
- for bath saving applications,
- as in-bath padder,
- with a driven trough roller,
- with heating and bath temperature control,
- with bath level control,
- with a coating unit for coating the fabric from underneath,
- with a pneumatic swivelling and lowering unit.

Best padding effects, high reliability, combined with user and maintenance friendliness, as well as fast service for roller regeneration are standard attributes and underscore the good price-value-ratio

# ... offers best know-how

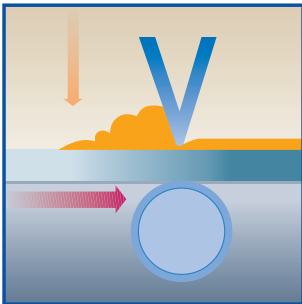
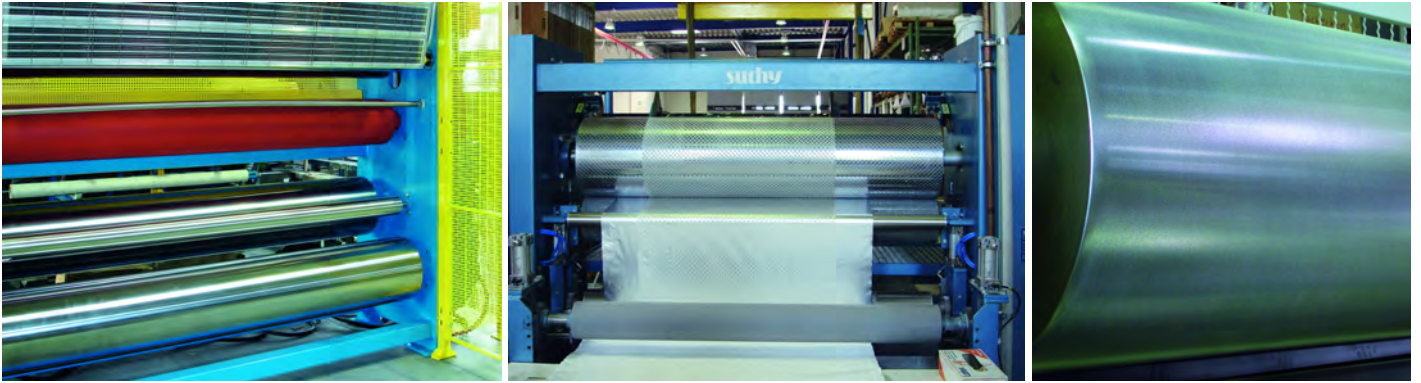


## SUCAL – Calibration Technology

High-profile solutions for the finishing of textiles or foil by flattening, embossing or laminating are provided by the SUCAL-technology.

Whether as standalone unit or in-line with others, fitted with heating or cooling – the advanced calender technology **always guarantees:**

- solid construction, designed for stable roller support and guidance,
- absolute even temperature distribution across the entire working width,
- highest surface quality of the hard-chrome plated, polished precision rollers,
- precise concentricity,
- precise, reproducible nip adjustment (quick and fine adjustment),
- very short final assembly and start-up periods.



## SUCOAT – Coating Units

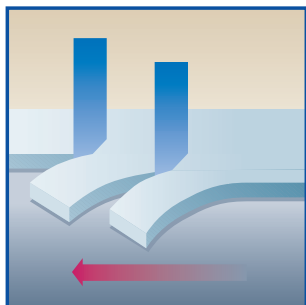
Processes such as the application of dispersion, paste or foam onto textiles of various quality and use has become commonplace in modern finishing.

The methods used can be manifold. Whether textiles are dipped, finished, back-coated or brushed, the quality of execution is always paramount.

The SUCOAT-coating systems are made for this type of requirement. They use advanced and reliable brushing, pasting and foam application units as well as padders and coating units. Optimized technology, solid handling and efficient process design makes the SUCOAT coating technology special.





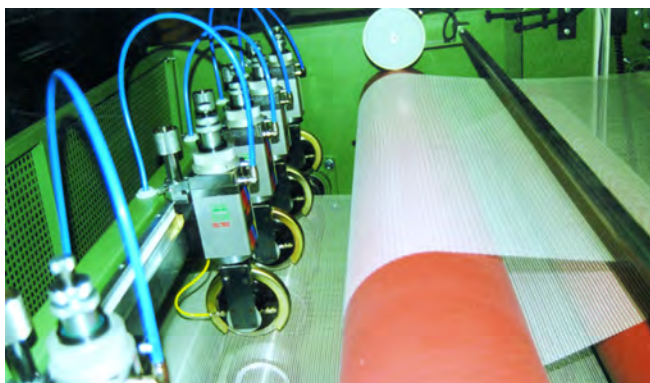


### SUCUT – Cutting Technology

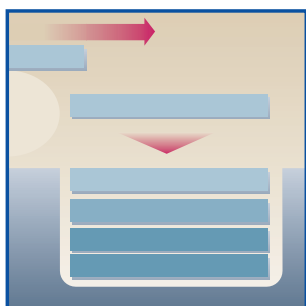
The growing demand for technical textiles, foams, insulation materials, as well as the production of items made from environmentally friendly and renewable materials require specially designed processes.

Such processes also include indispensable intermediate processes such as cutting, moving and stacking, which have to run reliably and efficiently.

The scope of applications encompasses everything from component solutions to standalone units to complete plants.



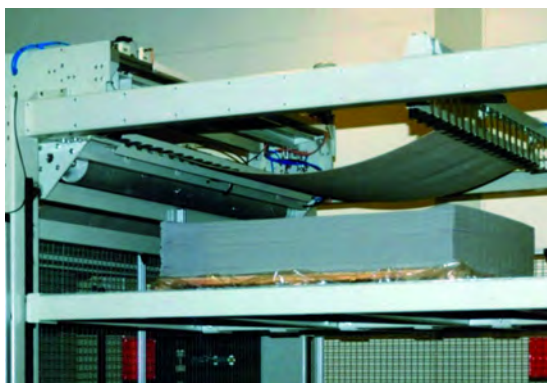
SUCUT-Cutting machines are perfectly suited for longitudinal and lateral cutting of different quality fabrics. Depending on the type of material and its composition several different cutting processes such as blade, pinch and ultrasound cutting, as well as different tools such as beating blades, tape blades or circular blades can be used.



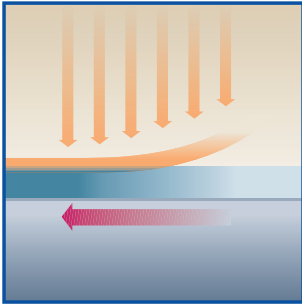
### SUSTACK – Stacking Units

SUSTACK-Stacking technology is designed for precise, automatic feeding and receiving of previously cut plate material.

Depending on the process stacking units can be used in-line or standalone. Extension of stacking technology with other units in front or following such as a fabric inspection unit, defect monitoring and separating as well as winding systems can be implemented on an as-needed-basis and thus combined to complex, harmonising systems.



# ... fullfills special requests



## SUCHY – System Components

We offer a large spectrum of special solutions which are developed, adapted and built together with our customers. Such machines are offered as standalone units as well as system solutions.

The units are used as components, machines and plants in a large variety of industrial fields.



Whether first delivery, addition to or completion of existing equipment; whether as a main or auxiliary process, SUCHY system components can be found as:

- Special dryers
- Fabric accumulators
- Special winders
- Special plaiters
- Tube cutting and plaiting machines
- Fabric inspection systems
- Transport and packing machines

Integral part of our portfolio are services such as:

- Reconstruction, modification and modernizing of machines and plants, such as exchanging worn and outdated heating systems in stenter frames by installing modern, efficient heating systems.
- Removal, perfect cleaning and reinstallation of stenter frame chains of all types.



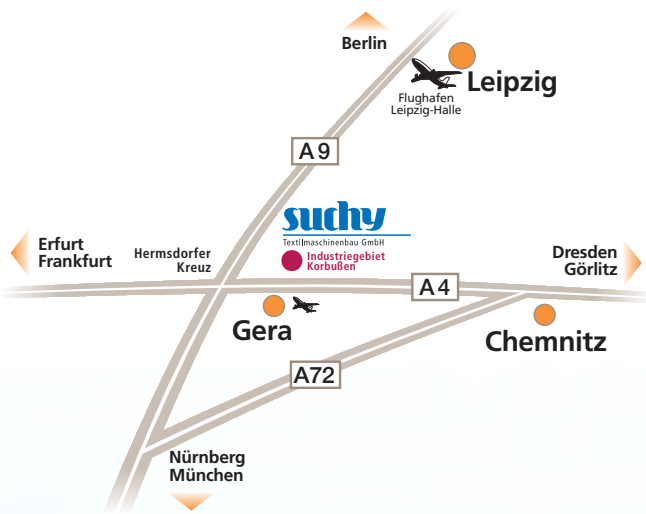


# suchy

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*... always available  
to you*

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