

Vision



**ELESSENER**



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## Vision

### Sense of tradition, sound engineering knowledge and sophisticated technology for our customers' success

We are a customer-oriented, internationally operating company committed to tradition. Fleissner was founded in Asch/Bohemia in 1848. Since 1951, the company's production operations have been located in Egelsbach near Frankfurt/Main.

With the fields of nonwovens, man-made fibers and carpet/textile finishing, being our spheres of competence, we are developing into a supplier of complete systems, thus strengthening our leading market position.

For several decades, our machines have been at the head of developments in the world markets. Being a member of the Trützschler group, we will further expand our international presence by direct access to production and service know-how of our parent company's facilities in the USA, Brazil, India and China.

Our production program is being constantly extended by newly developed products, accounting for twenty percent of sales every four years. Combining top quality and high reliability, we design our machinery and equipment for many years of smooth operation.

We believe that a long-term, reliable and truthful cooperation with our customers and business partners is the road to success.

Customer intimacy

**FLEISSNER**

# Innovation

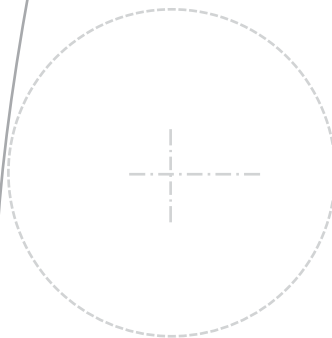
## Inspired yesterday, realized today, commercialized tomorrow

We guarantee the development and production of innovative products, processes and systems. Today, a great number of pioneering developments are linked to the name Fleissner.

Starting with the invention of through-air drying in 1929, we have, in the following years, become the technological leader in all our markets with numerous machines and processes.

Your ideas can be turned into innovative products for their customers on the pilot lines in our fully equipped technical center.

With our technology, you will set the course to your certain economic success.



# Technical center

# Fleissner- A Member of Trützschler Group

## A strong brand for a strong group

Together with more than 50 global sales partners and it's office in China, Fleissner has been serving customers worldwide for several decades.

Some 350 highly qualified staff at the plant in Egelsbach ensure the company's continued success.

Trützschler supports this international presence by their own distribution network, but above all by production and service locations in important markets.



Trützschler company headquarters, Germany



ERKO-Trützschler GmbH, Germany



FLEISSNER GmbH  
Egelsbach, Germany



Trützschler  
e Comercio de Maguinás Ltd., Brazil



American Trützschler Inc., USA



Trützschler Textile Machinery, China



Trumac Engineering Company Ltd., India

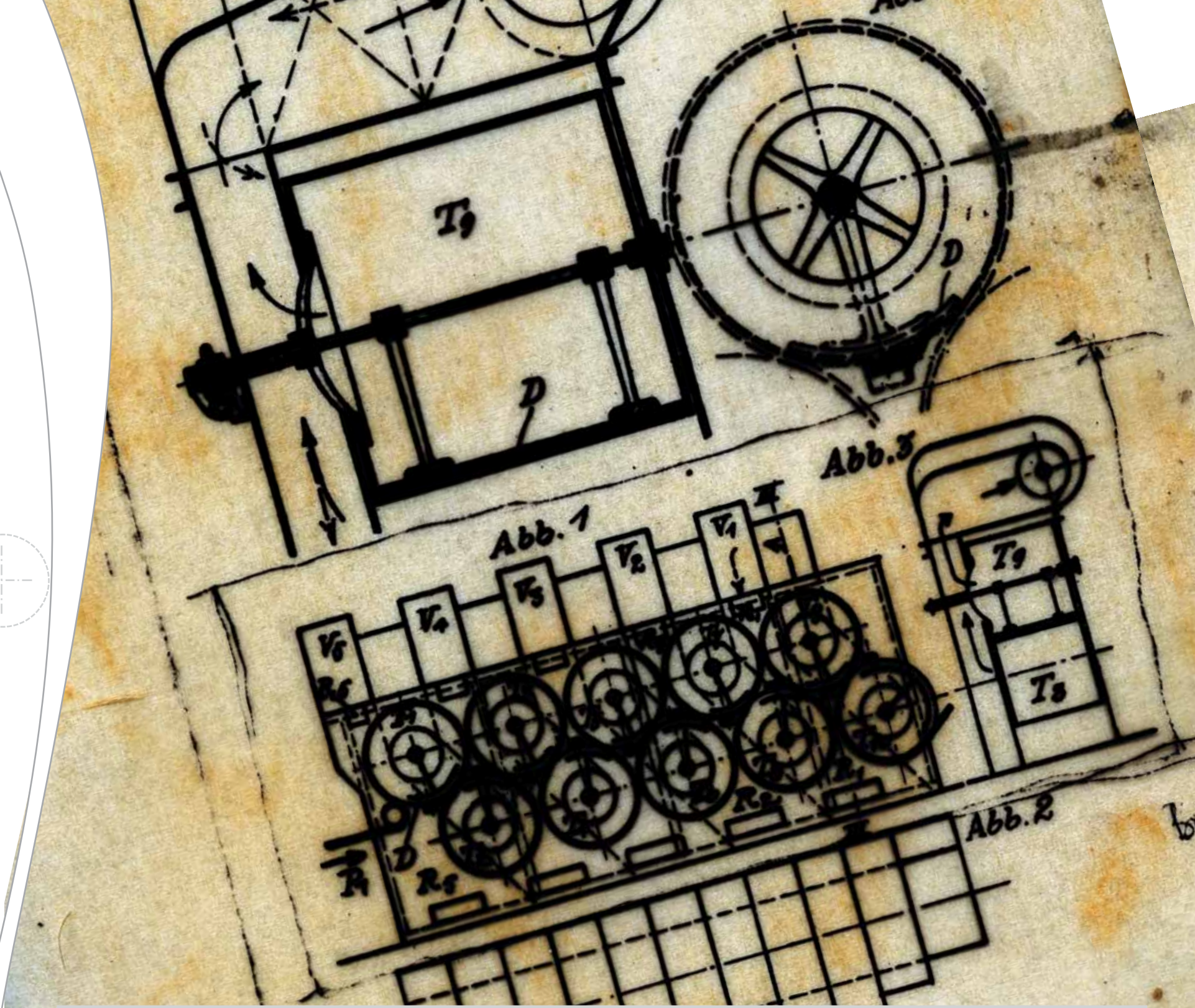
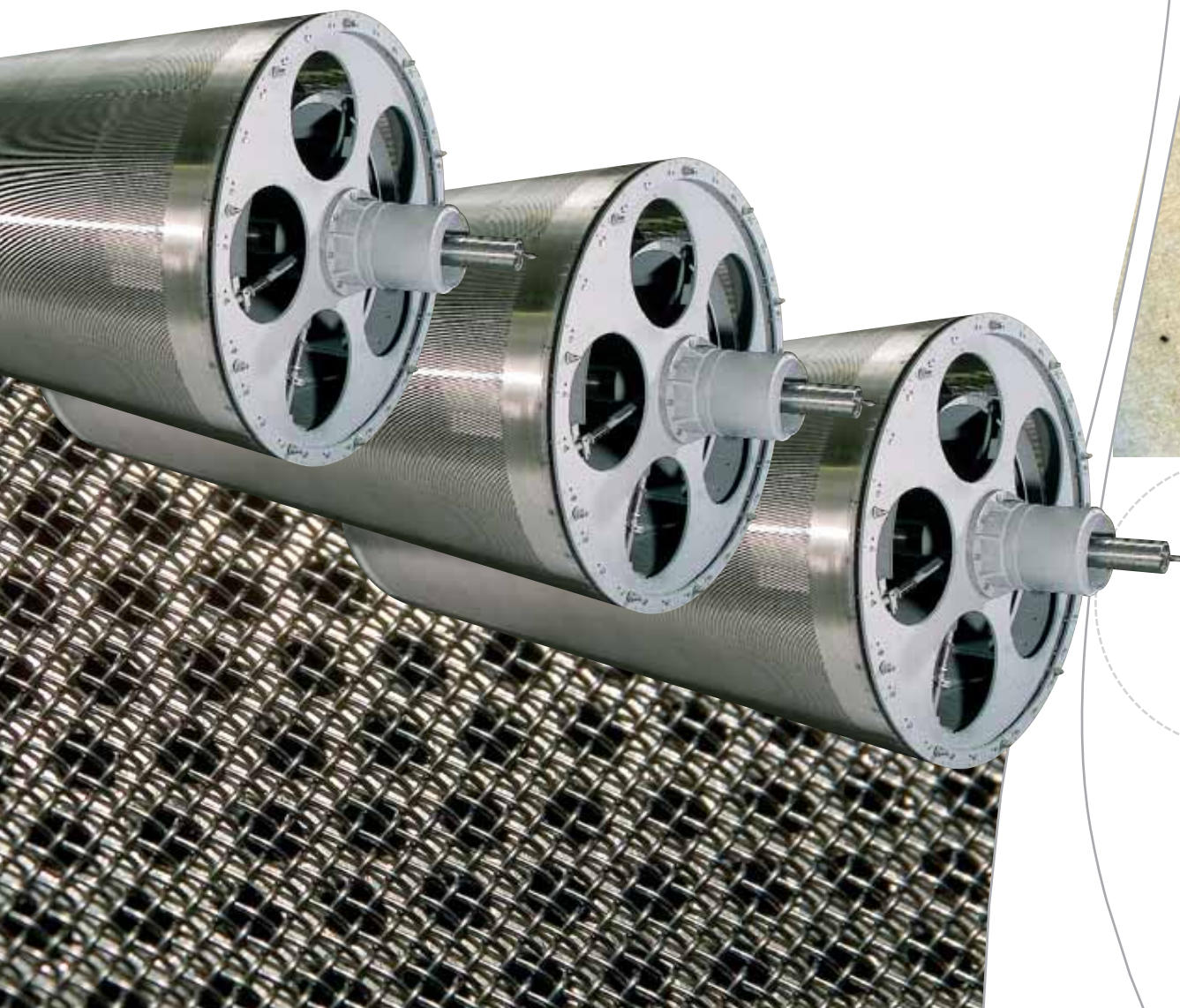
# Partners

# Dryers

## Through-air drying = Fleissner Since 1929.

The invention and grant of a patent for the perforated drum and the application of the through-air principle provided the basis for all subsequent developments. Up to this day, Fleissner is the leading manufacturer of drying, thermobonding and heatsetting machines, which are all based on this technology.

They are used for heat-treatment of nonwovens, carpets and many other fabrics. More than 45,000 perforated drums have been manufactured at the Fleissner plant through the decades and are still operating in a reliable, economic and energy-saving manner in various types of machines all over the world.



Patent

## Nonwovens

### Systems and components for high-quality and innovative products

Fleissner supplies components and complete systems for bonding, finishing and drying of nonwovens.

Among these, the spunlace system takes a prominent position. FLEISSNER AquaJet and FLEISSNER LeanJet machines are operating today in more than 75 lines for the production of high-quality products.

New products are developed and commercialized every year on Fleissner equipment with more than 1,000 continuous production lines for nonwovens already delivered.



# Spunlace

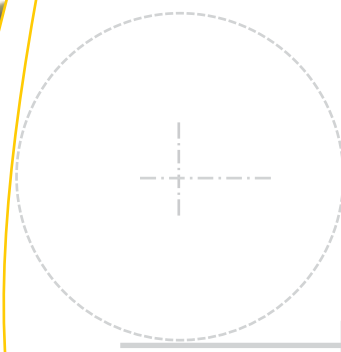
## Synergies optimally and successfully used

Fleissner is the market leader for complete processing lines, including FLEISSNER AquaJet and dryer, from fibers to finished roll goods. Fleissner will continue its cooperation with all qualified suppliers of web formation systems and incorporate their equipment if requested by the customers.

Customers can benefit from the special advantage offered by the product portfolio of the Trützschler Nonwovens group, which is completed by fiber opening, carding and mechanical needling equipment of ERKO-Trützschler.

Under the responsibility of its textile division, Fleissner has implemented several complete cotton projects from bleaching to finished roll goods.

Products with specific properties, ranging from chips or recycled material to finished nonwovens, can be realized from a single source by cooperation of the Fleissner man-made fiber and nonwovens divisions.



# Production lines

## Man-Made Fibers

### From chips to staple fibers - proven Fleissner technologies

Fleissner has been involved in the development of man-made fiber production equipment right from the beginning with the delivery of perforated drum dryers, and has supplied two stage staple fiber lines since the 1960s.

Since then, Fleissner has gained experience as a system supplier from take-up of spun filaments (spinning wall) to baling of fiber tows in baling presses.

In the 1970s, compact single-stage processing systems were delivered for the first time, and after opening of the spinning tower in 2006, also complete production lines from chips/recycled materials to bales were delivered.



# Processes

## Paper & Tissue

### Special products for highest demands

Paper dryers for production speeds up to 2,000 m/min open up completely new opportunities for the through-air drum. Excellent knowledge and performance is required in design and production engineering to meet the high demands.



# TAD Hightech

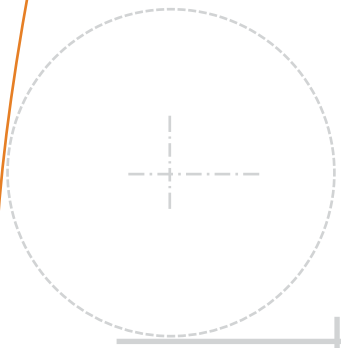
# Textiles

## A tradition of success

For decades, the textile division has been supplying complete finishing lines for wool, woven and knit goods.

Circular stenters set new standards for efficient, economic and space-saving drying of high-quality tufted carpets.

The unmatched steamer design and the favorable dye application technology have made Fleissner the leading supplier of complete continuous dyeing lines.



# Carpet



## Service

### Competence always at your service. Online. Or personally.

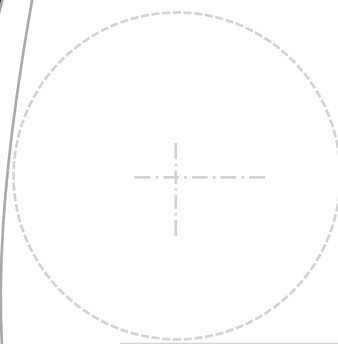
Service starts with the sales transaction. Our experienced engineers offer you competent technical advice right from the beginning.

They are supported by our technology and engineering departments where required by new products or complex projects.

Once an order has been placed, the projects are handed over to a team of experienced project managers, who will answer all your questions throughout the project handling period.

Upon completion of an order, the Fleissner service continues. Our staff will assist you with the procurement of spare and wear parts, and offer advice for replacement, modification or modernization work planned by you.

Our Remote Service is available to every customer with a Fleissner line and appropriate equipment. Problems can be solved directly, online and without high expenses.



Online



# Products

## Fleissner Machinery for a Better Life

Without Fleissner ideas and developments and the production know-how of our customers, a great number of products would either be more expensive today or less common in the market.



Roofing felts



Geotextiles



Wipes



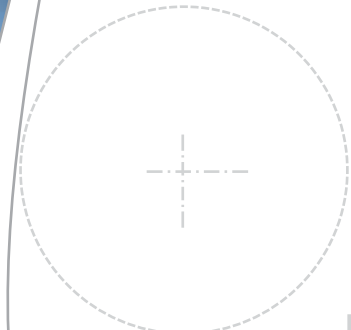
Household rolls



Medical products



Hygienic products



# Applications



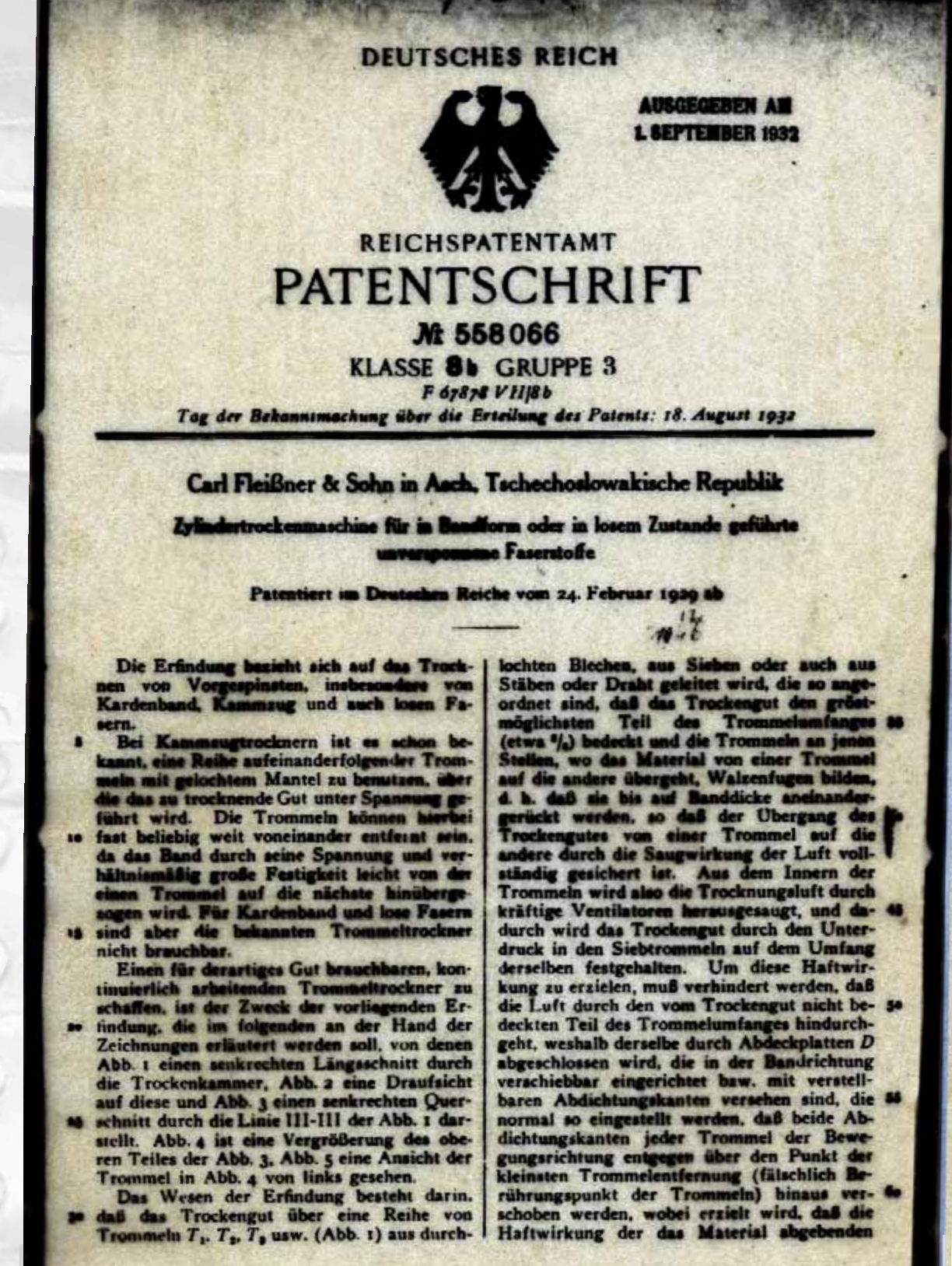
Filtration



Automotive industry

# History

- 1848** Fleissner is founded in Asch/Bohemia.  
The first German National Assembly meets at Paulskirche in Frankfurt.  
Werner Siemens starts the cable industry.
- 1929** Patent granted for the perforated drum.  
Black Friday: Stock prices in New York drop by 90%.  
First Oscar awarded at Roosevelt hotel in Hollywood.
- 1951** Egelsbach location is opened.  
Power-assisted steering for cars is introduced.  
The video cassette recorder is invented and the first color TV program is broadcast in the USA.
- 1968** Delivery of the first continuous bleaching and printing line for the carpet industry.  
Maiden flight of the world's first supersonic aircraft Tupolev TU 144.
- 1973** Delivery of the first production line for foam-impregnated nonwovens.  
The Bosphorus Bridge in Istanbul connects Europe and Asia.
- 1977** Delivery of the first compact fiber line.  
The first fully industrially produced personal computer Apple II is successfully introduced in the market.
- 1985** First line with product warranty for the production of geotextiles and roofing felts.  
The largest welfare concert "Live Aid" takes place in London and Philadelphia at the same time.
- 1988** Delivery of the first HighTech dryer for the paper industry.  
Steffi Graf wins the "Golden Slam" being four Grand Slam and the olympic tournament.
- 1990** Extension of production capacity for building paper dryers.  
German reunification.
- 1993** Opening of Fleissner office in Beijing/China.  
The European domestic market is created.
- 1995** Delivery of the first Fleissner AquaJet for spunlacing.  
Michael Schumacher becomes Formula One World Champion.
- 2006** Opening of spinning tower and start of marketing project "From chips to fiber bales".  
Trützschler GmbH, Mönchengladbach takes over Fleissner.
- 2007** Introduction of Fleissner steam entanglement process.  
ITMA fair in Munich.



1848 - 2007

## Contact

**We roll out  
the red carpet for you**

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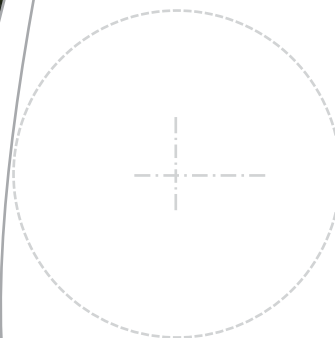
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**Welcome**



**Nonwovens**  
**Textiles**  
**Man-Made Fibers**  
**Paper & Tissue**