



**YOUR PARTNER  
FOR HIGH-QUALITY  
NONWOVEN SOLUTIONS**

[norafin.de](http://norafin.de)

# INNOVATIVE SOLUTIONS FOR A CHANGING WORLD

## **Our Vision: We reimagine the nonwovens technology.**

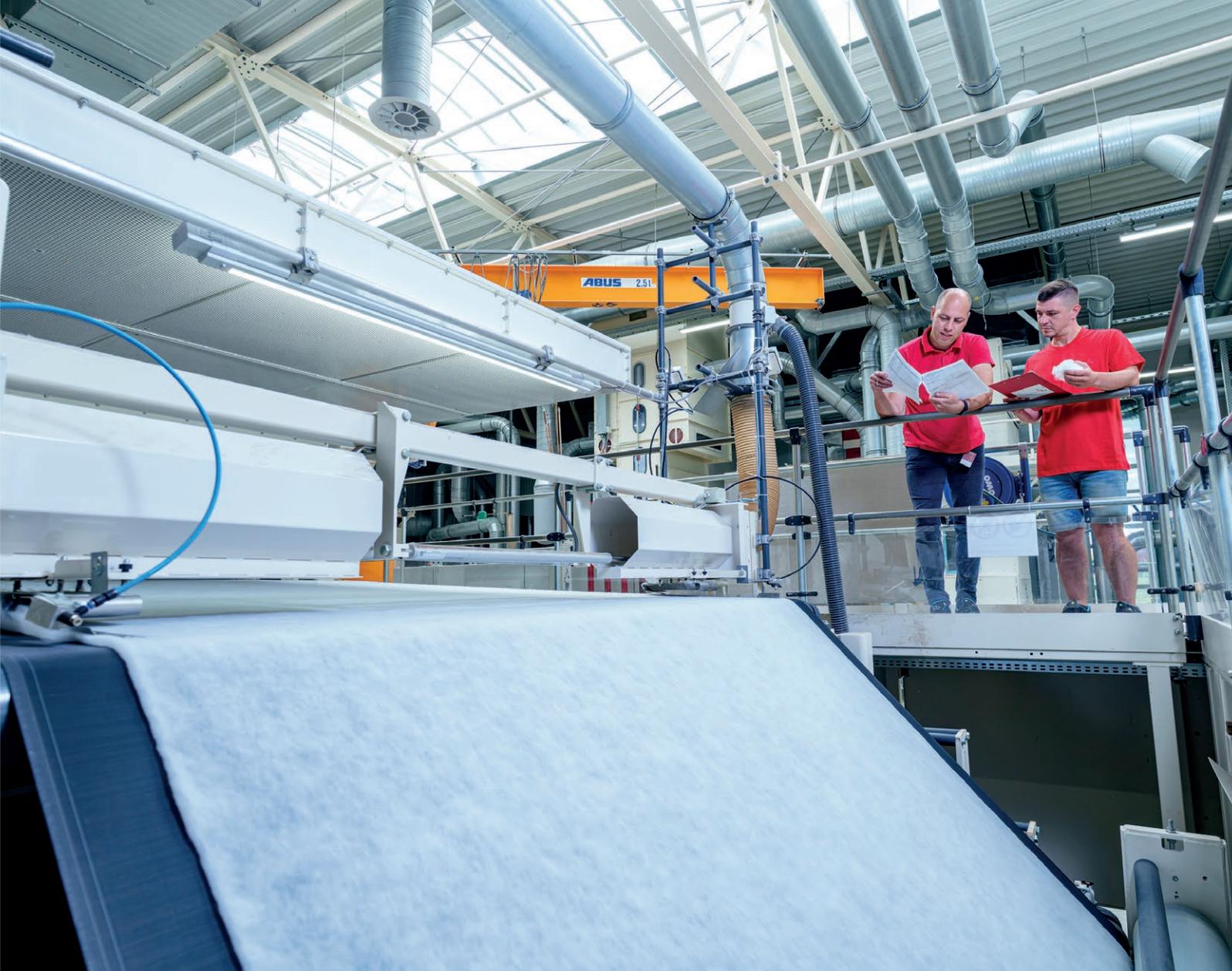
Norafin is a global leader in the developing and producing of specialized solutions – and is constantly redefining the limits of what is possible.

## **Our Mission: Actively shape progress.**

We are an innovative partner for sustainable product solutions based on modern nonwoven technologies, dedicated to promoting safe and responsible living.



Norafin 



## YOUR SPECIALIST FOR NONWOVEN SOLUTIONS

Norafin is a globally active company with two production sites on two continents with around 240 employees and sales of over € 50 million\*. What drives us to develop the right solutions for specific requirements every day? It is our customers whom we want to bring forward with our know-how and our innovative products. It is our curiosity, which drives us to constantly explore new areas of application and develop new nonwovens for them.

\*Effective 2024

It is our responsibility to think about how we are influencing the environment around us and by diligently working to increase our sustainability, we can leave Earth in better shape than we found it. All this drives us to give our best every day.

**Innovative. Reliable. Responsible. Together!**

# SUSTAINABILITY FOR OUR FUTURE

We are committed to the Green Economy concept and consistently combine economic profitability with ecological sustainability. That is why we are constantly looking for ways to make our development and production processes more resource-efficient while at the same time increasing productivity, and why we attach great importance to the careful use of raw materials throughout the entire production process. In 2023, we took another step towards the future with the certification of our environmental management system according to DIN EN ISO 14001.

Our efforts in this regard focus on six areas: raw materials, recycling, energy, water, processes and above all, people. For example, we rely on spunlace technology, which does not require chemical binders and allows us to treat and reuse the water used.

In the energy sector, we use performance indicators to identify potential savings. Since 2014, we have operated a certified energy management system according to DIN EN ISO 50001. It is our goal to use energy consciously and efficiently throughout our production process.

Every day we work on reducing our footprint and on creating a more sustainable path for future generations to come.



# PRODUCTS FROM RENEWABLE RESOURCES

In our production process, it is crucial to handle raw materials properly. Our research and development team works daily on developing new high-quality nonwovens by using renewable and biodegradable raw materials. This has enabled us, for example, to produce nonwovens from flax fibers on an industrial scale by using spunlace and needlepunch technology. Due to their excellent properties, these nonwovens are used, for example, as composite materials or for interior design concepts, home textiles and the graphic design market. Under our two brands Norafin ECOLINE® and EXTRA ORGANIC, we offer products that contain sustainable and recycled fibers.

The nonwoven solutions, which are based on viscose, flax, hemp, lyocell, polyester and PLA fibers, are mostly certified according to STANDARD 100 by OEKO-TEX® (16.0.90034 HOHENSTEIN HTTI/ 22.HDE.87509 HOHENSTEIN HTTI) and labeled accordingly. We also process viscose from sustainably managed forests, which are certified in accordance with the FSC™ regulations for sustainable forest management.



The mark of responsible forestry

NATURAL  
FOOTPRINT  
SUSTAINABLE  
BIODEGRADABLE  
FEEL-GOOD-CLIMATE  
ECOLOGICAL  
INNOVATIVE  
ORGANIC

green up  
your life



## FROM THE FIBER TO THE PRODUCT

Norafin processes a wide variety of staple fibers in lengths of 20 – 70 mm, in fiber finenesses between 1 – 15 Dtex and in various surface weights between 15 g/m<sup>2</sup> and 1,000 g/m<sup>2</sup>. These are fed to the carding machine via opening and mixing devices, which opens the fiber tufts down to the individual fiber and creates a uniform fibrous web. Norafin then follows two different processing routes to the finished nonwoven fabric: spunlace and needlepunch technology.

During spunlacing, a homogeneous, intertwined textile structure is created by means of water jets. This nonwoven can be produced in various structures by using different drums. Thanks to our production line, we also have the capability to create two layer materials comprised of different nonwoven layers all in one step. Due to the wet processing the consolidated material contains a lot of moisture and is then dried in a screen drum dryer.

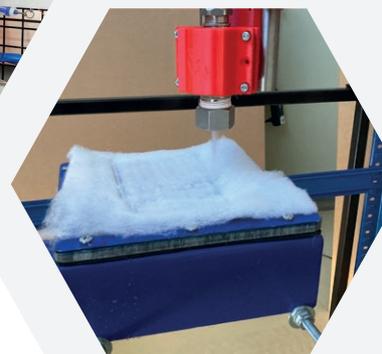
On the autonomous needle line, the fiber pile is mechanically consolidated by vertically moving needles. In a second step further layers can be added to the material. If required, thermal fixing in the dryer is possible.

## RESEARCH AND DEVELOPMENT

### Research and development goals

- translating customer needs into product functions
- transforming innovative ideas into high-quality products (including the entire development process)
- actively managing product life cycles and consistently driving further development up to the next product generation

Thanks to our extensive research and development work, plus our investments in quality and re-engineering, we are able to react quickly to changing market needs. Not only do we conduct research internally, but we also maintain strong partnerships with international universities and research institutes that support us in expanding our technology and product portfolio. The combination of our in-house strength and a strong external network enables us to develop comprehensive solutions for your requirements.





## CUSTOMIZED SOLUTIONS

Norafin has been offering high-quality spunlaced and needlepunched nonwovens, innovative material structures and composites since the early 1980s and has established itself as a successful niche supplier in these areas. Our focus is on the development of customer-specific products for a wide range of applications: from protective clothing to filtration, to cosmetic facial masks and cleaning wipes. In the national and international context, we stand for innovative, holistic solution concepts and perfectly fitting product functions.

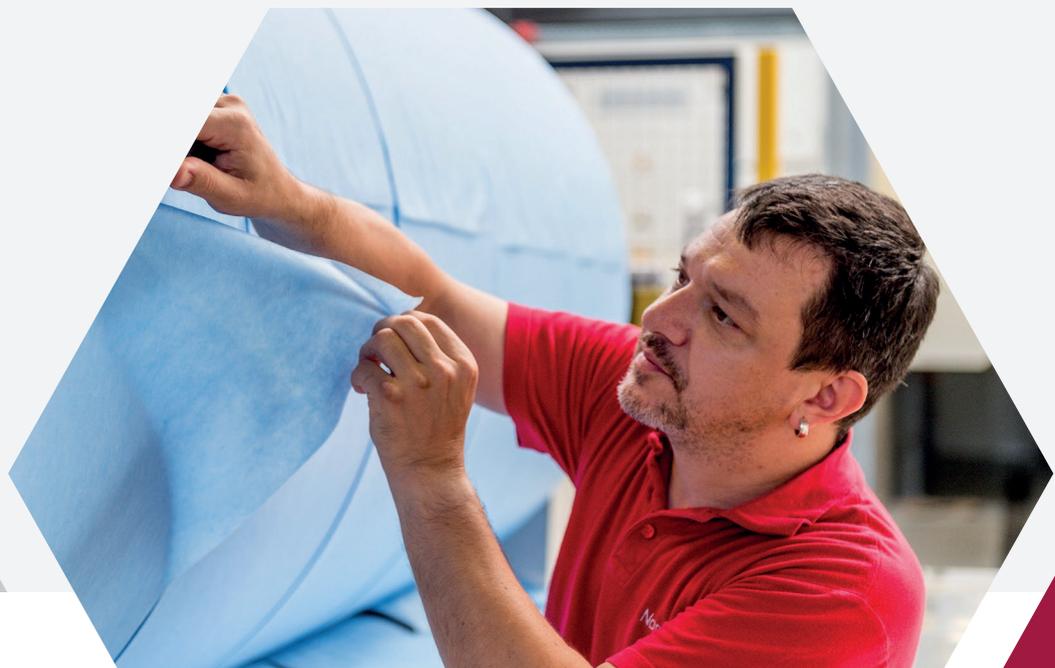
### Thanks to our flexible production technologies, you have all possibilities:

- processing of a wide range of high-quality special fibers such as meta- and para-aramides, Ox-PANpolyimides (PI), polytetrafluoroethylene (PTFE) as well as natural and regenerated fibers (e.g. flax, hemp and lyocell)

- production of special fiber blends in white and individual colors
- combination of smooth, structured and patterned single and multilayer material structures (calendered, perforated or reinforced with a scrim)
- management of large and small campaigns for special products
- various finishing options and further processing steps (e.g. coating, printing, laminating)
- production of composite nonwovens without the use of binders or melt fibers
- finishing of nonwovens with functional particles/ fibers (e.g. for electrical conductivity, catalytic effects, gas storage, heatability, integration of sensors)

In order to be able to fulfil all your wishes, we work closely with strong business partners.

**Challenge us – we provide you with competent solutions.**



# 1 COMPANY. 2 PRODUCTION SITES. 4 PRODUCT LINES. COUNTLESS POSSIBILITIES.

With our extensive know-how, our technologies and our team of specialists, we develop and manufacture technical textiles and innovative product solutions. We cooperate with our partners and customers according to their individual requirements and wishes: Whether pleatable filters, cleaning wipes with special printing, sustainable flax wallpapers, stab protection vests or surgery swabs – we are the specialist for unique nonwoven solutions.



# PROTECTIVE LINE

## Heat and Fire | Violence and Vandalism



### NONWOVENS FOR SPECIAL PROTECTION IN HAZARDOUS SITUATIONS

Protective Clothing against Heat & Flame | Public Transport

FR Work Wear and Protective Clothing against Rain | Ballistic & Stab Protection

Paper Rolls

Norafin  3D PERFORMANCE

Norafin  KOMANDA

Norafin  GUARDIAN

Our nonwovens meet the standards expected in a demanding and performance driven market. They come in a wide variety of compositions: sometimes particularly soft to provide the necessary comfort, sometimes tear-resistant to withstand greater loads, they can be reinforced with scrim to prevent damage, or designed to be flame resistant to meet certain protective standards and above all, to protect people.

#### Advanced performance features

- improved insulation and high resistance to heat
- industry leading heat protection for single and multi-layer product solutions
- industrial laundering
- isotropic fiber orientation for dimensional stability in all directions
- durable and long-lasting product solutions
- lightweight material constructions for enduser comfort & protection
- high breathability

Our Norafin GUARDIAN® 3D PERFORMANCE® material for fire blockers offers improved abrasion resistance and very good wear resistance compared to commercially available materials.

Nonwovens made with our unique Norafin KOMANDA® technology are characterized by their very high tear resistance. They are industrially washable and can be reused several times.



more information follows here

# PERFORMANCE LINE

## Construction and Industry

Our nonwovens are used in a wide variety of special applications in the fields of construction and industry. Our materials provide high processing flexibility, as they are adaptable and drape well, while they offer high strength and durability at the same time. Additionally, their properties are modifiable and can be adapted to the individual requirements for any application.

### Outstanding performance features

- insulating, sound-absorbing
- conducts water or electricity
- dimensional stability in all directions
- retentive and absorbent, breathable
- sustainable through biodegradability or the use of recycled fibers
- chemical & solvent resistant, long-lasting
- lightweight product solutions
- high strength
- good drapability to cover edges and corners
- high surface quality
- homogeneity across the entire width of the fabric

**Norafin ECOLINE®** – all of our nonwoven solutions are produced from 100% ecological fibers, such as flax, cotton, viscose, lyocell or recycled fibers, or blends thereof. Because sustainability is an important issue for us. We are therefore constantly developing new solutions produced from sustainable raw materials that are both resource-efficient and high-performance.



more information follows here



## NONWOVENS WITH SPECIAL PERFORMANCE REQUIREMENTS

Sustainable Room Concepts

Flat Roof Sealings

Fiber-Reinforced Plastic Profiles

Plant Watering

Norafin  ECOLINE

Norafin  3D PERFORMANCE

 EXTRA ORGANIC  
A Brand of Norafin



# PERFORMANCE LINE

## Cosmetics and Health

### NONWOVENS FOR APPLICATIONS PARTICULARLY CLOSE TO THE BODY

Functional wound care, surgical pads and swabs

Cosmetic wipes and pads

Cloth masks for face, eyes and décolleté

Norafin  **ECOLINE**

Norafin  **3D PERFORMANCE**

 **EXTRA ORGANIC**  
A Brand of Norafin

We offer an extensive range of products for cosmetics. In the production of cosmetic products, we use soft fibers in order to ensure gentle yet thorough cleansing of the skin.

#### Outstanding performance features

- high skin compatibility
- stability in all directions
- ultra-thin materials with high rigidity, even when wet
- increased absorbency
- good water absorption and release behavior
- pleasant wearing comfort due to particularly soft feel
- well suited for subsequent printing and finishing processes
- high color stability of colored nonwovens
- wash-resistant and odorless

**Norafin EXTRA ORGANIC** – these are all nonwoven solutions produced from 100% biodegradable fibers such as flax, hemp, sheep wool, viscose, lyocell, or their blends. Because sustainability is an important issue for us. Therefore, we are constantly developing new solutions that are produced from sustainable raw materials – resource-efficient and with high-performance features.



more information follows here

# FILTRATION LINE

Filter media for air, gases and liquids



## FILTER NONWOVENS FOR THE NORMAL AND HIGH TEMPERATURE RANGE

Pleatable filter media for the high temperature range

Non-pleatable filter media for the high temperature range

Liquid filtration

Norafin  <sup>®</sup>  
CRYSTALEN

Norafin CRYSTALEN<sup>®</sup> stands for nonwovens to filter gases and liquids. We supply filter media that optimize the product lifecycle, the filtration efficiency and operating costs. With our capability to process a variety of fibers (microfibers, PPS, aramids, Ox-PAN, polyimides etc.) and with our proprietary production process, our nonwovens show a consistent filter surface characterized by a higher number of finer pores and homogeneous cross-section leading to an increased filter performance. Thus, Norafin is able to respond to market requirements on an individual level.

### Norafin CRYSTALEN<sup>®</sup> stands for:

- high quality filter media
- stability
- purity
- durability

### Outstanding performance features

- homogeneity of the surface allows for an easier dedusting and increased filter efficiency
- high fiber density ensures very good efficiency even at low basis weights
- isotropic fiber orientation in the spunlacing process guarantees high stability
- high-temperature-resistant solutions through the use of high-performance fibers
- pleatable filter media
- chemical and solvent resistance
- FDA/EU10 2011 compatible filter media



more information follows here

# CLEANING LINE

## Surface Maintenance & Cleaning | Body Hygiene

Cleanliness and hygiene are basic human needs. Just as we pay attention to our own personal hygiene, we also demand a clean, sanitized living and working environment. Our high-quality nonwovens offer the right solutions for every situation.

While we attach importance to particularly soft and skin-friendly materials for our personal body care, other factors such as tear resistance or structured surfaces play a special role in the household as well as in the industrial areas. Thanks to our various process technologies, we are able to produce high-performance nonwovens for every application.

### Outstanding performance features

- tear resistance in all directions due to isotropic fiber orientation
- sustainability through multiple use and biodegradability (depending on material composition)
- high durability
- strong absorbency
- up to 100% natural fibers possible
- soft material texture
- solvent resistance
- abrasion resistance
- high skin compatibility



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## NONWOVENS FOR CLEANING PROCESSES

Sustainable cleaning cloths

Norafin Komanda cleaning cloths

Multifunctional cleaning cloths

Washing gloves (plastic-free solutions)

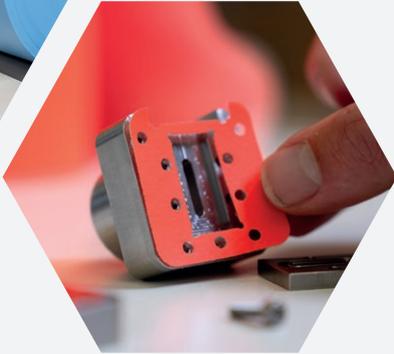
Norafin  <sup>®</sup>  
ECOLINE

Norafin  <sup>®</sup>  
3D PERFORMANCE

 EXTRA  
ORGANIC  
A Brand of Norafin



# SOLUTION- AND CUSTOMER-ORIENTED



In addition to individual converting options in width and length, we also offer precise, custom cuts of your product. This gives the customer the flexibility to order free-form cuts of their fabrics in all shapes and sizes

**Please contact us for further information!**



Norafin (Americas) Inc.  
in Mills River, North Carolina



Norafin Industries (Germany) GmbH  
in Mildenau, Deutschland

## FOR US, LIFE, VITALITY AS WELL AS THE PROTECTION OF PEOPLE AND THE ENVIRONMENT ARE OUR TOP PRIORITIES.

We pursue these goals with durable, sustainable and high-performance nonwovens that are successfully used in a variety of ways in everyday life – products by people for people, for a safe and long life.

**Feel free to use the product finder on our website to get to know our products and their properties better.**



more information  
follows here

# WE MADE HISTORY!

## 2025

Norafin and Trans-Textil GmbH from Freilassing establish Stepptex Ges.m.b.H. in Absam, Tyrol (Austria), thereby continuing the quilting operations of the former Polyfill Produktions-GmbH in a strategic partnership.

## 2020

The subsidiary Norafin Technologies GmbH was founded in Mildenaу, taking responsibility for the R&D of products and technologies within the Norafin Group, as well as the sale of customized nonwoven products.

## 2018

Norafin (Americas) Inc. celebrates the inauguration of a new production facility with a state-of-the-art spunlace line system as well as modern laboratory and office space in Mills River, North Carolina.

## 2014

Certified Energy Management System according to DIN EN ISO 50001 of Norafin Industries (Germany) GmbH

## 2013

Expansion of the production site and headquarters in Mildenaу. Expansion of production capacity through the investment in a second spunlace line. A new production hall, a new laboratory and new offices are built.

## 2009

Inauguration of the equipment plant in Mildenaу

## 2007

Founding of Norafin (Americas) Inc.

## 1997/1998

Start of the production facilities in Mildenaу

## 1995

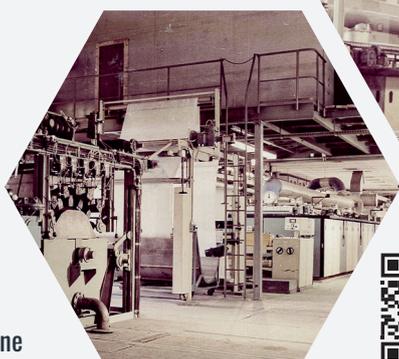
Rebranding as "Norafin Vliesstoff GmbH"

## 1980 – 1985

Development/Commissioning of the first water jet line in Europe



**Norafin**



more information follows here



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(Germany) GmbH**

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