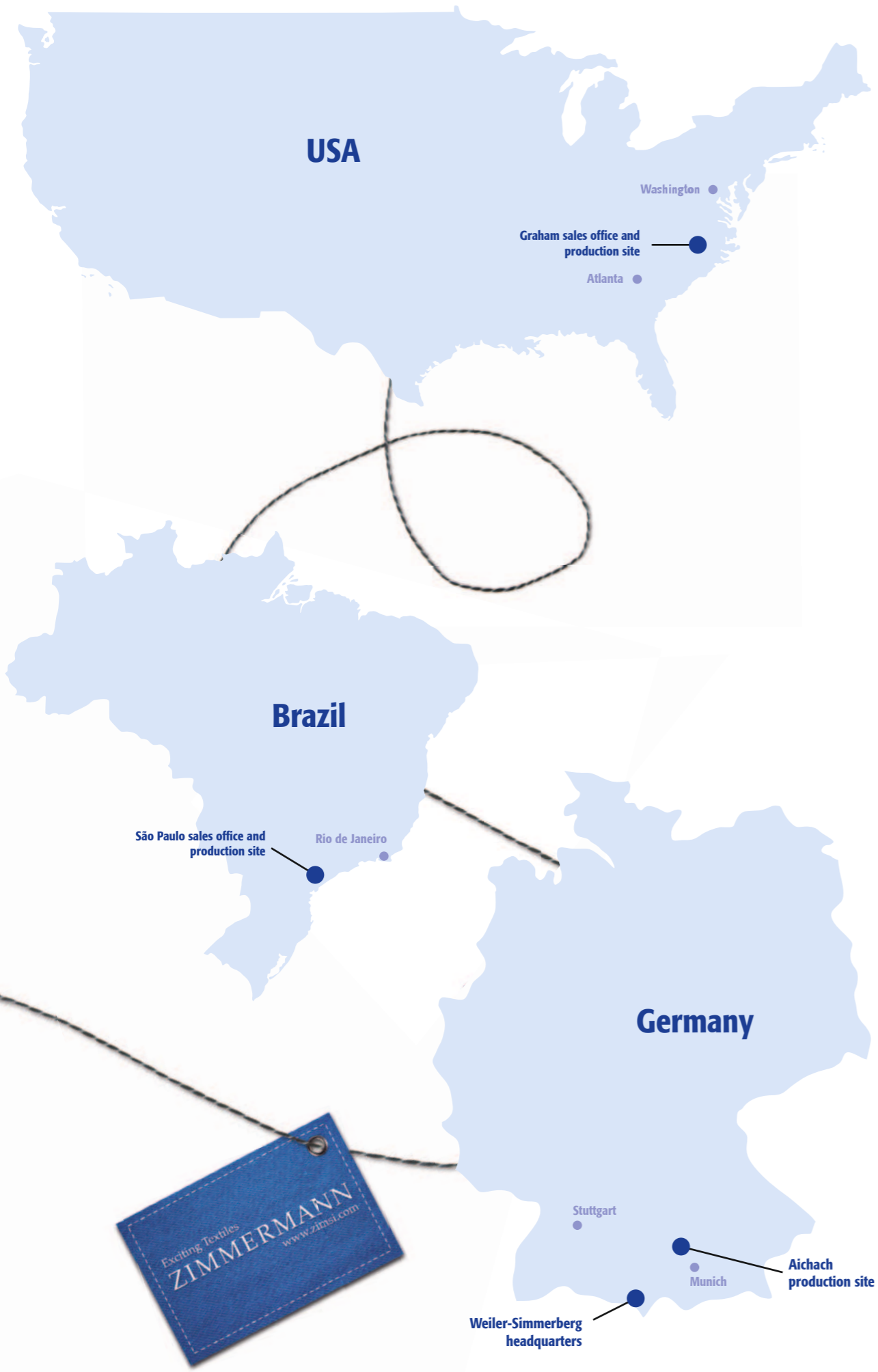


ZIMMERMANN



**MED**tex**LIFE**tex**TECH**tex



## Tradition and Innovation.

*'Made in Germany' as we see it*

'Made in Germany' is not just what we say – it is what we do. For more than 70 years, our high quality standard has been our motivation to get better than the others. And we know that the only way for us to be successful in the long run is to continue developing and to recognize trends. And we pursue this strategy both at our headquarters in Southern Germany and at our international sites in Brazil and the USA.

Tradition and genuineness on the one hand and dynamic characteristics like flexibility and the power of innovation on the other – these are the core

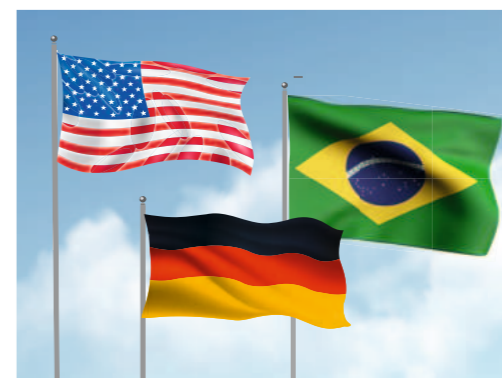
values we live and breathe every day. Our customers know that they can always rely on Zimmermann. Being a premium manufacturer of top-notch covered yarns used for manufacturing first-class textiles, we never compromise on quality. Years of experience, profound market understanding and industry expertise coupled with cutting-edge production processes help us react to our customers' demands flexibly.

### Our Services

- Production sites in Germany, the USA and Brazil
- Some 170 qualified employees
- Flexibility, innovation and reliability

### Customer Benefits

- Worldwide availability and personal customer care
- Expertise, experience and long-standing development partnerships
- Agile approach to solution finding



- 4 production sites in 3 countries
- Know-how in covered yarns since 1953
- Pioneer in the field of covered yarns for medical compression textiles



## Covered Yarns for Products that Stand out.

*Quality and comfort brought to perfection*

Thanks to years of experience in manufacturing elastic and technical yarns, we know what exactly our customers need. And every individual covered yarn has its own special characteristics. We are well-versed in various specifications and always strive towards further enhancement.

### Our Services

- Wide range of products
- Customer-oriented teamwork
- Extensive range of colors

Due to our state-of-the-art machinery, we can always manufacture flexibly and according to individual requirements. Our customers value the precision of our manufacturing processes and can always rely on consistently high product quality.

### Customer Benefits

- Covered yarns for various applications
- Optimum thread flow thanks to even spooling of all yarns
- Absolute color accuracy

**Our product range comprises more than 7,000 yarns that fall into three categories:**

■ **MEDtex** Yarns for medical compression textiles

■ **LIFEtex** Yarns for versatile textile applications

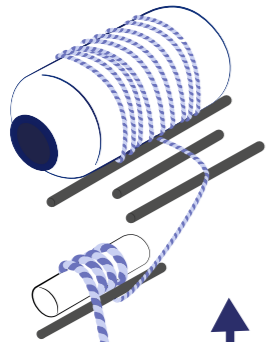
■ **TECHtex** Yarns for technical applications

Premium Yarn Inside.

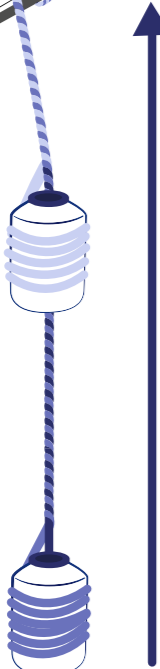


## Double Winding Process

Covered yarn



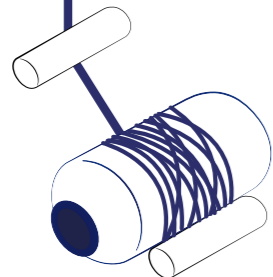
Outer winding



Inner winding



Spool with core material



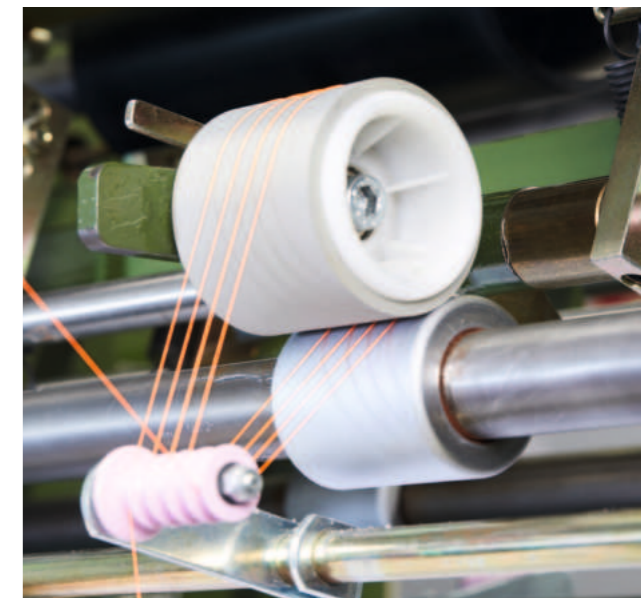
Colors	
<b>Our standard range:</b>	<b>Customized:</b>
25 different colors from our color catalog	individual color setting

Winding material (available in 8 to 700 dtex)	
<b>Our standard range:</b>	<b>Customized:</b>
PES, PA6, PA6.6, PP, viscose, cotton, wool	stainless steel, aramide, copper, silver, hot-melt yarn, PVDF, PA HT, PES HT, various function yarns, etc.

Core material (available in 13 to 2,500 dtex)	
<b>Our standard range:</b>	<b>Customized:</b>
Lycra®, Roica®, Creora® and rubber	glass, aramide, carbon, basalt, stainless steel, etc.

## Service Overview.

- **Treatment and processing**  
→ of natural fibers and filament yarns, textured and smooth
- **Setup and winding**  
→ conical and cylindrical formats  
→ precision and digital winding
- **Covering**  
→ single and double covering





## MEDtex. Perfect Compression.

*Medical covered yarns for high-quality applications*

High-quality covered yarns have always been essential for an effective compression therapy. Compression textiles with high-quality covered yarns by Zimmermann are used especially for the treatment and prevention of venous disorders, spider veins, varicosities, thromboses and open legs or for the follow-up treatment of skin burns.

Effective compression textiles are subject to extremely high quality standards particularly with regard to material selection and product structure. Compression, size and fit are a matter of high precision.

We are one of the world's most experienced manufacturers of covered yarns for medical textiles. Our customers benefit from more than 70 years of experience coupled with our excellent cooperation with leading machine and yarn manufacturers.

Our single and double covered knitting, inlaid, toe and heel yarns – all of them developed and made in Germany – show their exceptional wearing comfort in the end products. Our yarns are particularly characterized by extraordinary softness and color matching of all yarn components. Ongoing monitoring of our processes allows us to manufacture covered yarns of utmost quality and continuity in

accordance with the highest requirements of our customers.

With our cutting-edge production methods, we develop innovative ideas every day. In our Development department, we also continuously optimize our products – to the full satisfaction of our customers.

### Our Services

- Production with cutting-edge covering machines
- Manufacturing of covered yarns for all compression therapy textiles
- Optimally matched yarn components

### Customer Benefits

- High reproducibility for the end product
- Utmost production reliability due to regular quality inspections

## TECHtex. Flexible and Versatile.

*Future-proof textile applications*

### Our Services

- Lots of different manufacturing technologies
- Versatile yarn combinations
- Years of experience and development competence

### Customer Benefits

- Successful innovations
- Highest-quality technical yarn combinations
- Professional advice and development

The application areas of our technical threads are as versatile as the materials used. Be it for occupational safety or personal protection, for filter or transport technology, as well as in the automotive and aerospace industries – we find optimum solutions to all textile challenges.

Lots of different covered yarn combinations from **PA, PA HT, PES, PES HT, PES FR, hot-melt yarn, PP, elastane, meta aramide, para aramide, carbon, basalt, glass, PEEK, stainless steel, copper, bronze, silver, PVDF, etc.** allow us to create sophisticated technical covered yarns for textiles that truly inspire.

We know the processes very well and have the expertise required to develop and manufacture technical yarns. Thanks to these numerous manufacturing technologies, we can develop various covered yarn combinations according to our customers' needs. These will subsequently find their application in highly demanding areas such as **Buildtech, Indutech, Mobiltech, Packtech, Protech and Sporttech.**

And our patented conductive yarn Novonic that is capable of transmitting data, energy or heat proves that we constantly push the boundaries of what we can achieve.

**You can rely on our years of experience and development competence.**



Buildtech



Indutech



Mobiltech



Packtech



Protech



Sporttech

## LIFEtex. A Colorful Variety.

*Yarns that satisfy the highest standards*

We combine creativity and precision to design and produce high-quality yarns which are the ideal basis for home textiles and apparel fabrics.

Fashion trends that emerge globally are implemented at the regional level in the various markets. We have the know-how, the facilities and the creative diversity to deliver select, top-class yarns for the fashion industry.

Whether fashionable outerwear, underwear, stockings, sportswear or work apparel: We manufacture innovative and inspiring premium-quality yarns needed to put fashion ideas into practice.

Along with conventional synthetic fibers such as elastane, PA6, PA6.6 or PES, we also use sustainable natural fibers like rubber, cotton, rayon or viscose for the production of our yarns.

Such products as upholstery fabrics or sports apparel fulfill a technical function on the one hand while being key design elements on the other. This calls for innovative yarn combinations. We are glad to develop and manufacture suitable yarns for our customers on short notice.

Besides polyamide and polyester standard yarns, we cover the entire range of special-purpose yarns and brand fibers such as Thermolite®, Coolmax®, Tencel®, Trevira CS® and many more.

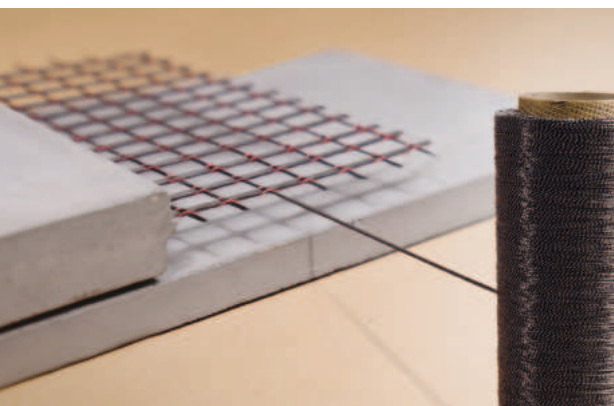
We offer solutions tailored to the needs of our customers.

### Our Services

- Optimum grain line due to excellent machine properties
- Highest standards with regard to quality

### Customer Benefits

- Soft sock cuff with high wearing comfort thanks to optimum elasticity
- Short collection change intervals possible





## Innovations out of Competence.

*Continuous development for and with our customers*

We always go beyond the boundaries of what is thought to be technically possible by creating already today solutions for tasks and applications

which our partners will have to face tomorrow. We are proud of pioneering ideas that become reality with our innovative yarns.

### Our Services

- Professional advice and expertise
- Ongoing innovation
- Full service from initial consultation to series production
- Development events

### Customer Benefits

- Development of individual, quick & efficient solutions
- Years of experience in the sector
- Extensive assistance
- Global network



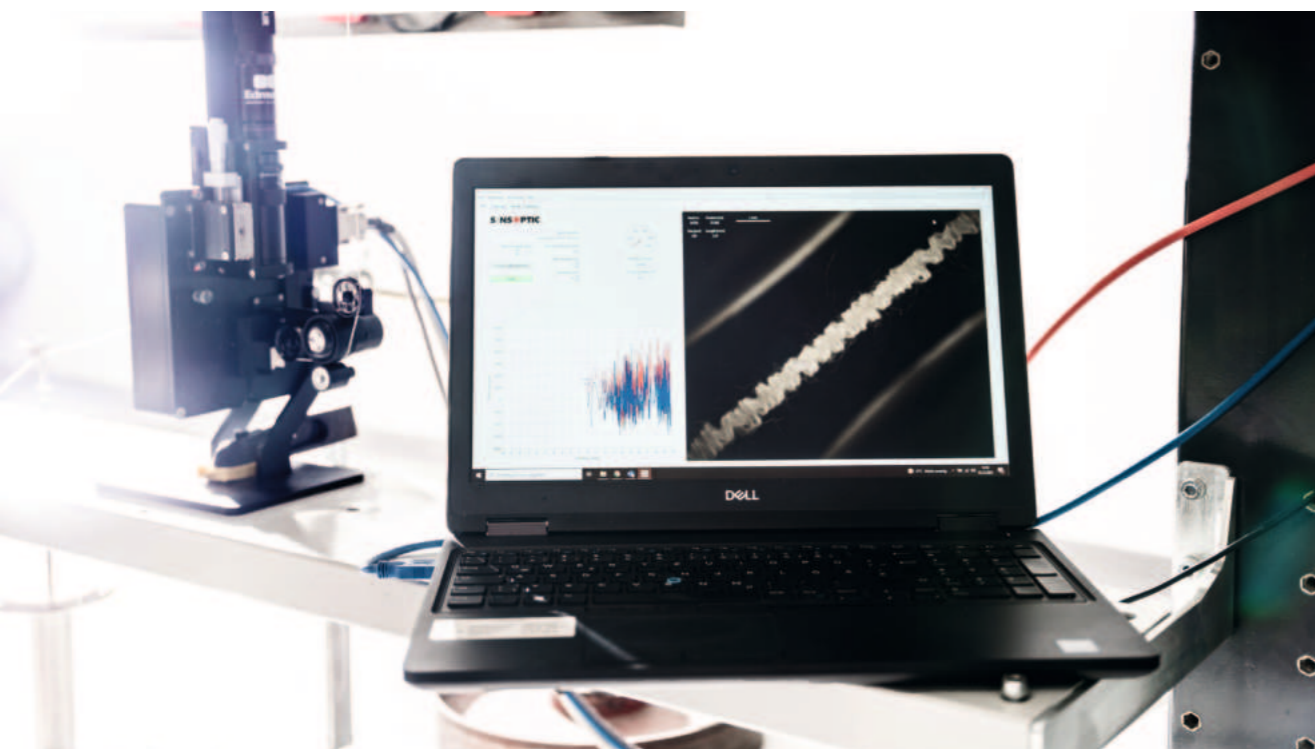
## The DNA of Zimmermann

*This is what we stand for*

Zimmermann yarns have lots of convincing advantages. But it is not only the classic product strengths that make our high-performance quality yarns a true branded product. It is also the entrepreneurial strength and pure willingness to be better. Such values as consistency, versatility, enthusiasm and sustainability, as well as our commitment to quality 'made in Germany' form the core of Zimmermann. They form the DNA of Zimmermann and show

what our company stands for. Just like in a covered yarn, these essential individual elements merge into a perfect overall result and make Zimmermann a sustainable traditional company that performs at its best with a lot of enthusiasm and versatile in-depth work, and always true to its quality promise.

## Zimmermann Integrated Quality – *Our quality process*



## Conscious Quality Assurance. *You can rely on us*

We at Zimmermann have always been living a standard of quality without compromise that makes us unique in the textile sector. In the manufacture of our high-end yarns, our focus is always on enthusing our customers with exceptional products and service-oriented acting. For us, quality is not a pure chance but a permanent process. Therefore, we only use the best raw materials and our yarns constantly undergo meticulous checks.

Thanks to our ten-stage color management system that significantly outperforms the conventional industrial standards, we can guarantee absolute pattern accuracy. Specially developed winding machines provide constant reel tension for optimum stretching and processing characteristics.

### **ZiQ ZIMMERMANN INTEGRATED QUALITY** **Made in Germany – TOP quality that inspires**

We at Zimmermann have always been living a standard of quality without compromise. Our yarns have been made of best raw materials, covered precisely and processed to perfection. And we share this aspiration for quality with our customers. Our customers have the possibility to

#### **Our Services**

- High and defined production standards
- Above-the-average quality criteria and state-of-the-art test methods
- Guaranteed pattern accuracy
- Cutting-edge machinery

#### **Customer Benefits**

- Convincing product characteristics
- Cost reduction through optimum processing characteristics
- Guaranteed quality due to our own test label

provide their end products that are made of Zimmermann's yarns and boast proven medical effectiveness with our so-called ZiQ Quality Label.







## ZIMMERMANN

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