

Sewing

Products and
services for the
sewing industry



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Tradition and Future

Groz-Beckert was founded in 1852 and is active in over 150 countries today with around 7,700 employees. Whether for knitting, weaving, felting, tufting, carding or sewing: Our total product portfolio contains over 70,000 products. As a leading supplier of industrial machine needles, precision parts, precision tools, systems and services for a wide range of textile production and joining methods, Groz-Beckert supports its customers and partners within the textile value chain – and beyond: The Technology and Development Center (TEZ) is a pioneering platform with which Groz-Beckert has been shaping the future of the textile industry together with machine manufacturers, end users, textile producers and institutes since July 2010.

Groz-Beckert

Textiles are everywhere and are found in a wide variety of shapes and functions in all areas of life: Fashion, sports and leisure, home textiles, flooring or architecture. And textiles are also indispensable for mobility – from cars to space travel – and for

health. Groz-Beckert manufactures machine needles, precision parts and precision tools and offers supporting services for all aspects of the textile industry, from fashion, home and domestic textiles to technical textiles.



Technology and Development Center

Groz-Beckert represents reliable product quality and customer service in the world of textiles. The Technology and Development Center (TEZ) was opened in 2010 in order to develop new development and application fields for textiles in cooperation with customers and partners. Not only is the TEZ furnished with state-of-the-art equipment, it also provides the perfect environment for bundling the competencies and knowledge of Groz-Beckert. As a future-oriented company, Groz-Beckert places great value on the research and continued development of new technologies and application fields in the textile industry.

About Groz-Beckert

- Founded: 1852
- Head office: Albstadt, Germany
- Employees: 7,693 (as of 31.12.2016)
- Sales: 665 million euros (2016)
- Production companies:
Germany, Czech Republic,
Portugal, USA, India, China,
Vietnam, Belgium
- Distribution network:
Distribution subsidiaries and
partners in over 150 countries

The Sewing Product Division

In 1980, Groz-Beckert extended its production range to include sewing and shoe machine needles, and has evolved to become the leading supplier in this field. The high standard of product quality and regular further developments and innovations have meant a continuous increase in market share. But it is not only a comprehensive and high-quality product range which makes Groz-Beckert an invaluable partner. Its wide selection of services, such as its technical sewing and joining service or the customer portal, completes the outstanding portfolio offered by Groz-Beckert.

1980:

Inclusion of sewing and shoe machine needles in the product portfolio

1991:

Introduction of the special application needles SAN® 6 and SAN® 10 for jeans and fine knitwear

2000:

Introduction of the special application needles SAN® 5 for technical textiles and the MR needle for multi-directional applications

2009:

Introduction of the innovative needle geometry Loop Control®

2015:

Introduction of INH Quality Management
Introduction of the online customer portal



1989:

Introduction of the square blade needle for blind stitching

1993:

Introduction of the titanium nitride coated GEBEDUR® needle

2007:

Introduction of the special application needle SAN® 12 for 2-needle decorative seams

Products





Matured technologies for sustainable success

Whether textiles, leather or other materials: Utilize the full potential of Groz-Beckert products for the joining of textile surfaces. Find out at first hand how tools which are miniaturized and may appear simple at first glance can have a substantial impact on productivity, seam quality and gentle treatment of materials. From classical underwear through leather processing to highly complex special applications, every area of the textile and shoe industry is covered. With a product portfolio of around 3,000 sewing and shoe machine needles, Groz-Beckert has the ideal solutions to offer – also in the field of technical textiles. Ever higher machine speeds, wide-ranging differences in material and thread qualities, ever new and more complex designs? Rely on tried and tested technologies to secure your long-term success!

Overview of products

The technology surrounding industrial sewing has remained practically unchanged over many centuries. The machines used have made tremendous strides in development, but the process of stitch formation itself has remained unaffected by any major change – and this applies also to the function of the single most important spare part in any sewing machine: the needle. Under these conditions, the starting point for your sewing success is the tool. Groz-Beckert's innovations support sewing operations to adapt to the continuous changes and ever more stringent requirements imposed on producers and on the end product: with a needle which provides impressive precision and performance.



Loop Control®

Stable loop formation, maximum care of the sewing thread, security against skipped stitches – all these benefits and more are provided by the unique Loop Control® geometry. Both for lockstitch and chainstitch applications, these needles offer a smart solution for perfectly formed loops.



Special application needles (SAN®)

Special requirements call for special solutions. The strengths of the Groz-Beckert special application needles are brought to bear where the demands of the application cannot be met by standard products. The additional designation SAN® stands for the very highest degree of innovation.

Packaging

The Groz-Beckert packaging concept for sewing machine needles supplies precisely what the sewing industry requires in terms of packaging convenience: It protects the needles, prevents mix-ups and is economical in terms of material, storage and transport space. It is also easy to dispose of or recycle. The Data Matrix code on the label of the packaging allows users to verify originality.

Other products

The Groz-Beckert sewing and shoe machine needles portfolio encompasses more than 3,000 different product types. Whether lockstitch, chainstitch or overlock seams, whether for multiple ply denim, leather processing or special applications such as blind stitch or Schiffl embroidery – Groz-Beckert has the right product to address all these requirements.





More information available in
the "Loop Control®" data sheet

Loop Control® for the perfect loop

With Loop Control®, Groz-Beckert has developed a unique sewing needle geometry which offers a smart solution for the whole of the sewing industry. Loop Control® needles are manufactured using modern metal forming technology. The entire shaft is formed using a special technique. This creates a precisely shaped needle contour with distinct rounding at the edges of the grooves and at the groove base. The benefit of needles manufactured in this way is that the flow of the fiber is not severed. The rounded edges reduce the notching effect and protect both fabric and thread.



Benefits of Loop Control® geometry:

- Perfect loop formation
- Reduced risk of skipped stitches
- Optimum care of the thread and fabric
- High level of needle stability
- Less needle deflection
- Less needle breakage and point damage
- Improved seam appearance
- Higher process stability

The Groz-Beckert special application needles

The special application needles – SAN® – from Groz-Beckert come into their own wherever the demands made on the needle exceed the standard due to the nature of the sewing application. SAN® needles have a geometry optimized to the specific application, resulting in greater process reliability. They reflect Groz-Beckert's exemplary standard of innovation.



More information available
in the corresponding data
sheets



SAN® 5.2

When processing technical textiles, in most cases the materials used are extremely hard. The high penetration resistance can result in needle deflection and produce an untidy seam appearance. The shank geometry of the SAN® 5.2 needle was designed to prevent this problem.



SAN® 6

The SAN® 6 needle was developed specifically for sewing applications used in the production of jeans apparel and for sewing other heavy-duty fabrics. Its characteristic features are high productivity and reduced needle breakage, skipped stitches and broken threads.



SAN® 10/SAN® 10 XS

With their smaller displacement cross-section in the eye area, these needles provide an ideal solution for sewing fine and ultra-fine woven and knit fabrics as well as materials with critical sewing properties. They guarantee a higher seam quality while taking optimum care of the fabric, so increasing productivity.



SAN® 12

The SAN® 12 needle improves the appearance of the seam by precise alignment of the cutting geometry (using a special blade surface) when processing decorative double seams with both straight and slanted stitches. This produces perfect-looking even seams for applications such as car interiors, furniture production and for high-grade accessories.



More information available
in the "Packaging" data sheet

The packaging – practical modular system



Why this packaging?

One of Groz-Beckert's most important qualities is its continuous endeavor to replace good things with even better ones. Our partners recognize this when new needles result in better seam quality or higher productivity or when they make difficult materials possible to process. The sewing industry is continuously changing and with it the demands made on user-friendly packaging. Our packaging concept fully reflects these changing demands: It ensures that needles are transported safely over long distances until the moment they are inserted into the machine, it prevents mix-ups and allows each needle to be traced back to the original wire.



The benefits of the packaging concept:

- Transport and storage: Durable, stackable boxes holding 500 needles
- By being welded in clear transparent plastic, the 100-module packs are protected from environmental influences
- All-round protection for needles until they are inserted in the machine
- Originality safeguard: The needles can only be removed or exchanged after breaking the seal
- Originality check: With the aid of the Data Matrix code and the associated label scanner, users can satisfy themselves that the products are genuine originals.
- Dispatch by mail: Packaging units of 10 with coupling sleeve
- Easy removal of two needles at a time by opening a flap
- Clear view of remaining needle supply
- Easy disposal/simple recycling: Cardboard and combustible plastic free of harmful substances

Other products

The same tried and tested Groz-Beckert quality is just as much in evidence in all the other sewing machine needles. The wide diversity of sewing operations is matched by an equally diverse Groz-Beckert product range. With over 3,000 different product types, users will find precisely the right needle for their specific need.



More information available
in the corresponding data
sheets



Outer wear

From blind stitch to Schiffli embroidery

Whether for attaching buttons, blind stitch seams or flat and assembly seams – every seam will turn out perfect using Groz-Beckert needles. The special point shape of button sewing needles, for instance, is designed to ensure improved button sewing quality and fewer damaged buttons. The extremely thin but stable needles used for blind stitching guarantee seams that are invisible from the outside but are still secure.

In the field of single and multi-head embroidery, Groz-Beckert has adjusted the geometry and precision of embroidery needles to ever changing demands, enabling flawless embroidery of all kinds of materials. For embroidery in large embroidery machines (known as Schiffli embroidery), Groz-Beckert offers a flawless precision tool for perfect embroidery results.

Cutting and cloth points

Sewing machine needles from Groz-Beckert are available with a range of different points guaranteeing the optimum processing of different material types. For all kinds of woven and knit fabrics, Groz-Beckert offers different cloth points which displace the fabric when the needle penetrates the material to prevent damage to the stitches.

For processing leather, various cutting points are available which cut through the material on penetration. The different cutting point shapes also produce different seam appearances, leaving no holds barred in terms of optical creativity.



Schiffli embroidery



Single and multiple-head embroidery



More information on shoe machine needles available in the brochure "Shoe machine needles and awls"

GEBEDUR® needles

The GEBEDUR® needles developed and patented by Groz-Beckert are coated in titanium nitride, giving them their characteristic golden appearance. This coating shows a higher degree of hardness than the coating of standard needles. Therefore, the GEBEDUR® needle offers a better protection against wear and damage, particularly in the point and eye area. This superior wear resistance results in a consistently high standard of seam quality and a longer service life for needles, which ultimately means improved productivity. This makes for a needle capable of coping with any situation, no matter how extreme the requirements.



Shoe machine needles

Alongside sewing machine needle types used for processing shoe uppers, Groz-Beckert also offers around 150 different needles and awls for processing shoe soles. These needles not only produce perfect decorative seams, they also ensure firm, durable functional seams in welted shoes. The result: shoes which fulfill the stringent expectations posed on high-quality footwear: Good wearing properties, excellent durability, and a perfect appearance.



Button sewing



Welted shoes



Leather goods and accessories



Services



The customer's needs at the forefront

Service at Groz-Beckert has many facets. Alongside services for individual textile production and joining methods, a wide range of overarching services is also offered which benefits the entire textile value chain. In the field of sewing, customers benefit from an extensive service concept, including the rapid solution of application problems and a wide variety of available digital media.

Overview of services

Enormous importance is attached to customer focus at Groz-Beckert – for instance with our 5-star support which places customers and their needs at the center, particularly in the sewing product division. This includes services such as optimum deployment of needles and high availability of the required needle types and systems. And Groz-Beckert is always available somewhere near you: with a worldwide presence, a global network of sales subsidiaries and agents, and an online customer portal which contains all the information you could possibly need about sewing machine needles round the clock.



Sewing⁵

As good product quality has become a minimum requirement in today's markets, factors such as sustainable productivity and enhanced efficiency alongside additional services have become focal issues. Groz-Beckert's reply to these challenges is its service concept Sewing⁵, which is synonymous with integral customer focus.



Sewing and joining service

For fast solutions to application problems, Groz-Beckert makes available a sewing and joining service. Not only the sewing laboratories available at various of its locations, but also the TEZ and the Groz-Beckert Academy offer comprehensive expertise in every field of the sewing industry.



Digital media

In the world of digital media, Groz-Beckert ensures a leading edge for its customers, too. First and foremost, there is the customer portal, which offers a comprehensive product search as well as a lot of information all around the sewing technology. But also the attractive "myGroz-Beckert" app and the label scanner for checking the authenticity of needles offer additional services in the digital world.



INH Quality Management

Our all-round support for customers is also reflected in our INH (Ideal Needle Handling) quality management. The process developed by Groz-Beckert and the associated equipment simplify the process of handling needles for sewing companies, so directly impacting on occupational safety, productivity and the environment.



More information available
in the brochure „Sewing“

Sewing⁵ – the 5-star service concept in the sewing process

From Groz-Beckert's perspective, high product quality is an underlying requirement for satisfied customers and survival in a toughly competitive global marketplace. But to stay a decisive step ahead of the game, providing accompanying services is crucial. It is here that the 5-star service concept comes into its own. The 5S concept stands for Supply, Solutions, Service, Superiority and Sustainability. Together, these factors stand for Groz-Beckert's all-round customer focus and service competence.



Supply

A top quality product deserves to be backed by excellent logistical processes. The worldwide sales network made up of sales subsidiaries, agents and certified sales partners, alongside above-average inventory coverage coupled with careful selection of carriers all add up to create Groz-Beckert's outstanding delivery capability.



Solutions

With professional application advice from Groz-Beckert, you can be sure of optimum support before and during the production process. Individually tailored solutions to a high standard help to directly solve problems in the sewing process or to avoid them right from the start.



Service

Being there before you are needed: This is the premise on which we have built our consistent customer focus, which places your needs center stage. Not only by providing valuable assistance in support of your sales activities, but by being there with an experienced, well-trained sales team when you need us, Groz-Beckert provides the assurance of a top-class support and back-up service.



Superiority

At Groz-Beckert, you can be sure of receiving only products and services which comply with the very highest quality standards. Groz-Beckert is always a decisive step ahead – not only with a comprehensive and specialized product range, but also with modern technologies and innovative problem-solving approaches.



Sustainability

Alongside product quality, customer service and occupational safety, sustainability is a vital anchor of our long-term corporate policy. This is reflected first and foremost in the certified quality management system operated by Groz-Beckert KG at its headquarters in Albstadt, Germany, whose effectiveness and success has been attested and certified by impartial institutes.

Would you have known that ...

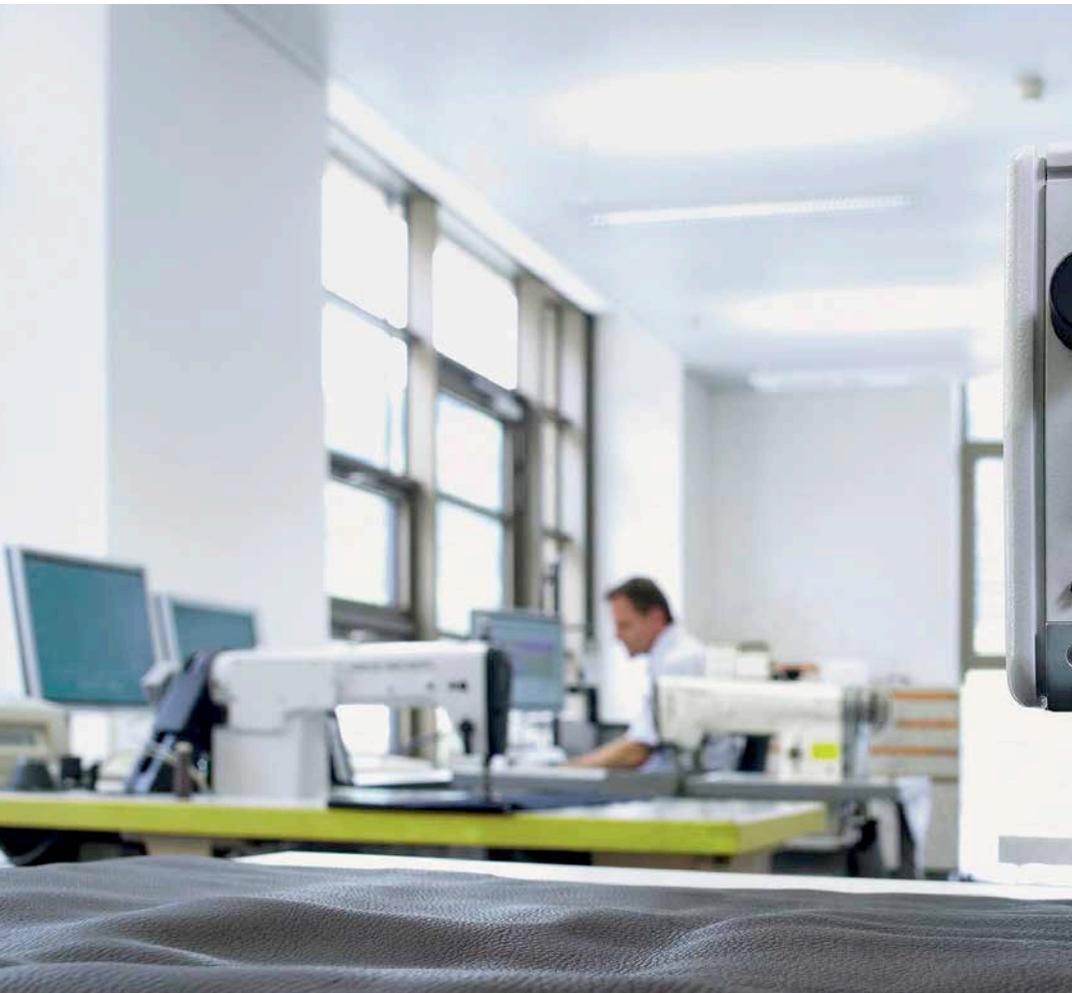
- around 200 consignments leave the company headquarters in Albstadt, Germany every single day?
- our professional application advice is taken up over 500 times a year?
- the international Groz-Beckert sales team is prepared by in-depth sales training to work for and with customers? Around 75 sales team members are currently certified in the Sewing Division.

The sewing and joining service

Groz-Beckert has set a new benchmark in customer services. Sewing Expertise Centers have been set up around the world which offer quick solutions to application problems. In this way, Groz-Beckert is forging closer links to its customers. These Sewing Expertise Centers offer extensive expertise in every area of the sewing industry, from apparel through cars to technical textiles.



More information is available in the "Technical service for sewing and joining technology" data sheet



Within the framework of the sewing and joining service, application technology specialists elaborate problem solutions and provide support in compliance with internationally applicable standards:

- Needle selection
- Process optimization
- Quality assurance
- Fault analysis
- Employee training
- Alternative joining methods

To address all customer-specific requirements, a number of performance packages is offered which goes into different levels of detailed analysis and evaluation:

- Basic service
- Extended service
- Customer-specific service

In this way, the sewing and joining service provides advice at close customer proximity and direct solutions to application problems and questions surrounding the further development and optimization of existing products.

The customer portal Sewing – a digital world full of possibilities

With the provision of a digital customer portal, Groz-Beckert gives another competitive edge for the sewing industry. The comprehensive knowledge data base offers a lot of information all around the sewing machine needle and different sewing technologies – even outside of the service times. Moreover, there is the possibility to permanently access to the product catalog, in which the products can be found fast and easily.



Register now:
my.groz-beckert.com/sewing



Product catalog

Get quick and easy access to over 2,500 items from our range of sewing machine needle products. Get both product information as well as extensive technical information here.



Product search

Find your required needle quickly and easily using standard market designations in the product search.



Wiki

Take advantage of our comprehensive knowledge base including a media center and get valuable background information. Learn more about process solutions within the sewing industry, about sewing machine needles, INH quality management or the history of sewing.



Your benefits:

- 24/7 access to the product catalog
- Search for products using standard market designations
- Get product information and extensive technical information
- Experience sewing from a new perspective using the exclusive animations on stitch formation
- Specific suggestions to assist you with your sewing problems

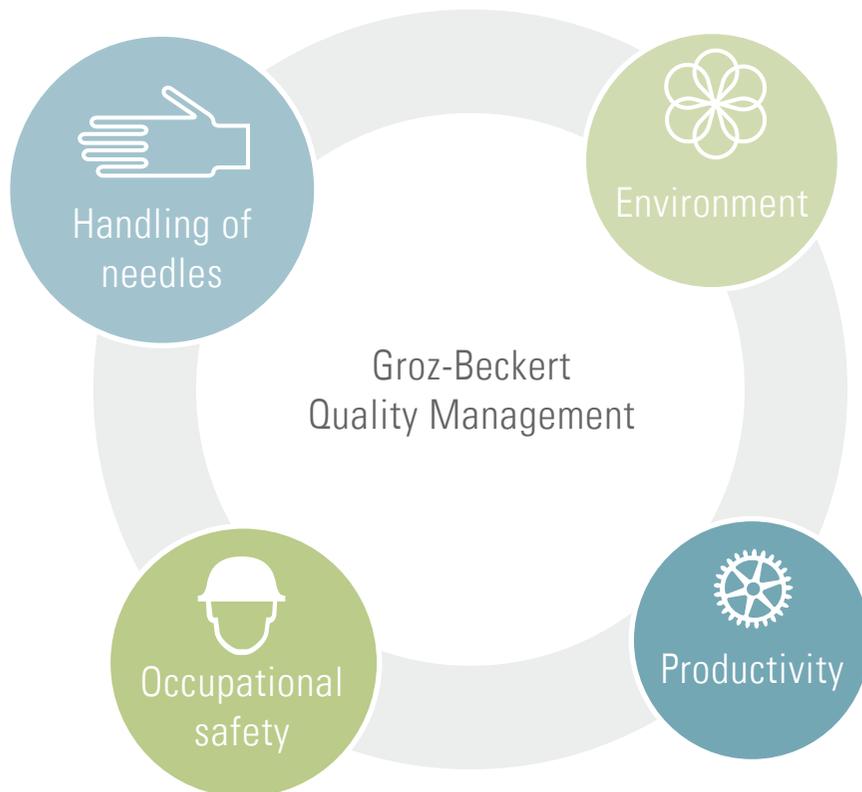
Still have questions?

You can reach us at:
online-sewing@groz-beckert.com



INH quality management from Groz-Beckert

As a needle manufacturer which places the full weight of its support behind its customers, Groz-Beckert offers a system of quality management which ensures the trouble-free, time-saving handling of broken and damaged sewing machine needles. The patented INH (Ideal Needle Handling) process ensures that different regulations set out by brand owners are adhered to using a standardized procedure, and also supports you in meeting other challenges such as compliance with environmental principles or increasing your productivity.



More information available in the brochure "INH quality management"



What INH quality management has to offer

Handling of needles

INH offers the individual creation of a process which takes into account all previous operating procedures. That way, it is accepted by brand owners and buying houses and can be applied all around the world.

Occupational safety

With the determined handling of broken needles and optimum ergonomically designed working equipment, INH ensures the best possible care of sewing personnel and others who work with needles. It also encourages personnel to be self dependent.

Environment

INH ensures that every sewing machine needle (and its packaging) used in a factory leaves the facility complete and in a condition capable of recycling. In this way, the CO₂-balance can be improved.

Productivity

INH reduces the amount of time and work involved in dealing with broken and damaged needles, ensuring higher work performance due to fewer production downtimes. At the same time, waste is reduced or even avoided.

Groz-Beckert Academy

Apart from offering personal application advice, Groz-Beckert has always supported their customers by providing product as well as basic knowledge along the textile value chain. Since 2012 this part of the comprehensive service package has a name: The Groz-Beckert Academy has set itself the task of sharing and passing on knowledge, imparting experiences as well as making know-how and competencies accessible.

Whether it is knitting, weaving, felting, tufting, carding or sewing – the Groz-Beckert Academy offers a comprehensive training program that covers all the most important textile production and joining methods. Using a mix of theory and practice, our experienced trainers share expertise and know-how. As a result, the participants are optimally equipped for their tasks within the textile world.

The course range covers various basic, advanced and special training courses, which are held in the Technology and Development Center (TEZ) in Albstadt. Moreover, the Groz-Beckert Academy offers individual trainings on-site at the customer's location.

All courses are offered in German and English. Selected courses are also held in additional languages, such as Spanish and Chinese.



Download the current training program

App myGrozBeckert

Your personal work tool

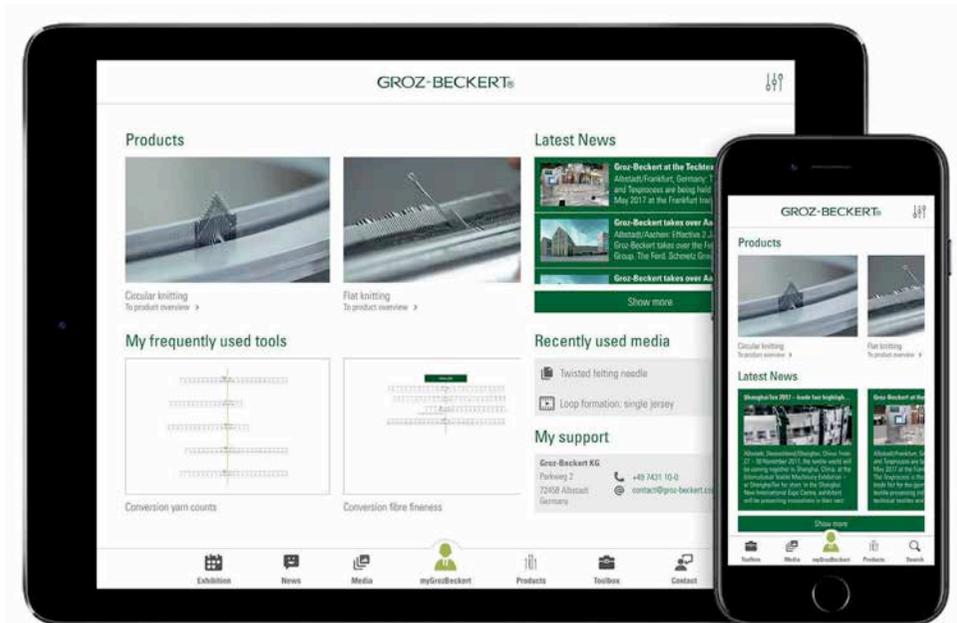
As it is one of the most essential prerequisites of working effectively, Groz-Beckert traditionally places great importance on sharing knowledge and experience. In order to provide mobile access to this know-how and make it available offline, Groz-Beckert developed an app in 2011 that contains well-founded knowledge along the textile value chain and about the company.

Since then, myGrozBeckert has continuously been developed further, and as part of the 2017 relaunch

completely customizable navigation was implemented.

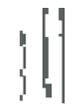
This allows users to save favorites and preferred topics themselves, and change them any time as needed. This is how myGrozBeckert becomes a personal and individually configured work tool.

myGrozBeckert works with all iOS and Android smartphones and tablets, and is available in German, English, and Chinese. The free app can be downloaded through the Google Play Store, the Apple App Store or through various Chinese app stores.



myGrozBeckert

Individual information on your personal dashboard



Products

The extensive Groz-Beckert product and service portfolio



Toolbox

Recommendations, tools and calculation aids



Contact

The Groz-Beckert contact partners – worldwide



Media

Animations, videos and brochures



News

All news about the textile world of Groz-Beckert



Exhibition

Data and facts on the Groz-Beckert trade fair presence



Search

Key word search across all areas



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