

## Press Release

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## Groz-Beckert Showcases Textile Innovation at ShanghaiTex 2025 in Shanghai

**Germany / China, December 2025** – From **December 16 to 19, 2025**, the global textile industry will gather at **ShanghaiTex** at the **Shanghai New International Expo Center (SNIEC)**, where **Groz-Beckert** will present its latest highlights and innovations across its five product areas – **Knitting, Weaving, Nonwovens, Sewing, and Spinning** – at **Hall N3, Booth A05**.

### Innovations Across Five Product Divisions

#### Knitting

In the **Circular Knitting** segment, the spotlight will be on the **LCmax™**, the next generation of energy-saving needles. Featuring a pioneering **wave-shaped shank geometry**, **LCmax™** ensures optimal energy efficiency, reduced friction, and ease of handling – delivering maximum performance with minimal energy consumption.

Additionally, the cooperation with machine builder **BORGFLY** will be presented. Together, a new **LCmax™** needle with an customized hook geometry has been developed. The first prototype of this specialized needle was delivered after just four weeks.

In collaboration with **PAILUNG**, Groz-Beckert introduces two new knitting systems: a **transfer needle** and a **compound needle**.

- The **transfer needle Vo-Spec. 94.41-30 G 0010** sets a new industry benchmark with a needle thickness of just **0.30 mm** and a **0.15 mm thin transfer clip**, making it the finest of its kind. This precision enables exceptionally reliable loop transfer and opens new creative possibilities for ultra-fine fabrics.
- The **new compound needle** offers enhanced productivity, process reliability, and durability – even at high production speeds or when processing demanding yarns.

For applications using **staple fiber yarns**, the **SAN™ SF staple fiber needle** and **SNK SF sinker** combination reduces contamination and extends cleaning intervals, boosting overall efficiency.

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In **Flat Knitting**, the cooperation with machine builder **CIXING** will be highlighted, where the durable VOSA-SPEC. 89.60-45 G02 needle has been developed.

In addition, two specialized needles take the stage:

- The **SAN™ TT**, designed for particularly tight loops, ideal for **technical and medical textiles**.
- The **SAN™ FY**, engineered for processing **uneven effect yarns**, ensuring flawless fabric appearance even with complex designs.

The **Legwear Segment** will showcase **dur™ needles**, known for their extreme durability and precision in fine hosiery production. Complementing these are new system parts, including **toe-closing components** that guarantee uniform loop transfer and perfect fabric finish.

In **Warp Knitting**, Groz-Beckert presents its expanding **module range** and an **innovative guide needle for Piezo-Jacquard machines**, setting new standards in precision, stability, and efficiency for loop formation.

### Weaving

Groz-Beckert's **Weaving division** will demonstrate how precision and reliability in preparation and accessories can elevate fabric production quality and efficiency.

The portfolio includes **heald frames, healds, warp stop motions, drop wires, and reeds**, all compatible with major weaving machines and tailored to the diverse requirements of fashion, home, and technical textiles. Special focus will be on **Groz-Beckert reeds**, valued for their technical precision and versatility. Whether in high-speed production or complex technical fabric manufacturing, these reeds ensure perfect thread guidance and flawless results.

### Nonwovens

In **Nonwovens**, Groz-Beckert showcases advanced solutions for both **traditional needling and carding** applications.

Focusing on the card clothing sector, the product area presents its innovations from the Groz-Beckert **InLine family**; The **SiroLock™ plus worker and doffer wires**. Their special geometry enhances machine availability and ensures consistently high carding quality across nonwoven production processes.

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### Sewing

The **Sewing division** highlights their special application needles, tailored to meet the demands of advanced sewing applications:

- **SAN™ 5.2** – for technical textiles such as airbags, offering greater stability and secure loop pick-up.
- **SAN™ 6** – ideal for woven fabrics like denim, with enhanced durability through **GEBEDUR™ coating**.
- **SAN™ 10** and **SAN™ 10 XS** – designed for fine knits and delicate materials requiring precise stitching.
- **Litespeed™** – the latest innovation, developed for high-speed or dense material sewing where needle heat buildup is critical. Its geometry reduces friction and heat, ensuring smoother processes.
- **MR needle** – suitable for multidirectional sewing operations offering consistent performance across changing stitch directions.
- **DBxK5 SAN™ 1** – designed for embroidery on hard and sturdy materials ensuring reliable performance and clean embroidery results.

### Spinning

For the **Spinning industry**, Groz-Beckert introduces a **maintenance-free cylinder wire** designed for longer service life and reduced maintenance costs. Further innovations include **enhanced revolving tops** optimized for fine yarn processing and **stationary flats** featuring a robust new aluminium profile – ensuring precision, durability, and reliability in every stage of the spinning process.

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### About Groz-Beckert

**Groz-Beckert** is the world's leading provider of **industrial machine needles, precision components, fine tools, and systems** for textile production and joining. Its products and services span **knitting, weaving, nonwovens, tufting, sewing, and spinning**.

As part of the **Groz-Beckert Group**, the company is a global market leader in **process-critical textile precision tools, industrial cutting solutions**, and **textile reinforcement materials** for the construction and composites industries.

The Group – comprising **Groz-Beckert, TKM, and Solidian** – generated **€839 million in sales in 2024** and employs approximately **9,400 people worldwide**. Active in more than **150 countries**, Groz-Beckert serves as a trusted partner to textile manufacturers across the globe.

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### Press Kit & Images

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