

# Groz-Beckert: Comprehensive product portfolio and services

Groz-Beckert presented its comprehensive product portfolio and services in the areas of Knitting, Weaving, Felting, Carding and Sewing at Techtextil and Texprocess at 2017.

## Knitting

In Knitting, Groz-Beckert presented its product portfolio for the technologies circular knitting, warp knitting and flat knitting, as well as customer-specific solutions. With system solutions from a single source, the company is responding to more stringent requirements for wear, load capacity of key components and the workability of different materials. Increased market penetration in warp knitting and the processing of materials such as metal and glass-fiber in flat-knitting mills call for custom-tailored solutions.

## Weaving

The Weaving department presented its comprehensive range of products for weaving preparation and weaving accessories at the Techtextil. A highlight of the portfolio is the PosiLeno® leno system, which boosts efficiency up to 100 percent. Moreover, an acrylic weaving machine mock-up, the WeavingLoom, provided an insight into the operation of



The Mobile Lab by Groz Beckert was another Sewing highlight during the show.

heald frames, healds, warp stop motions and drop wires. The jacquard heald was shown using the WeavingLoom. Made of mono wire, this product facilitates not only high densities but also a particularly gentle workmanship. In combination with the innovative thread eye, which is glued into the mono wire instead of welded, Groz-Beckert provides for uniform fabric quality and high machine efficiency.

## Felting

With product area Felting, the company highlights its contribution towards the nonwovens industry.

The service life and rust resistance of felting and structuring needles have been, and are, important issues in nonwoven manufacturing. Groz-Beckert presented its latest innovation: Groz-Beckert® dur. The patented manufacturing process of the needles in combination with a new base material improves resistance to corrosion with up to 30% longer service life. Moreover, the staple fiber needle punch line inaugurated in March in the Technology and Development Center at the company headquarters in Albstadt was also presented during the exhibition.



PosiLeno® leno system.



Warp Knitting.

For Spunlance customers, Groz-Beckert displayed another new product with its HyTec® jet strips. As well as improved handling properties, the innovative jet strips also feature significantly higher hardness, which has a positive effect on all mechanical properties such as scratch resistance, bending strength and service life.

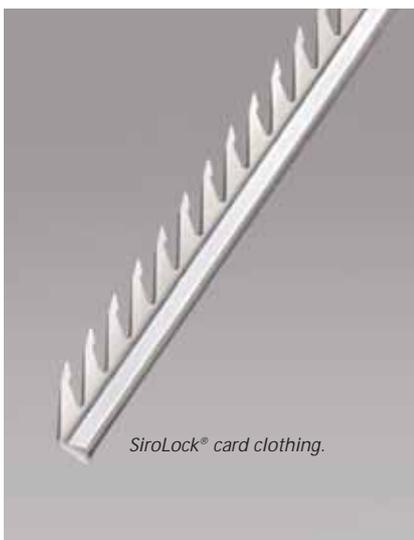
### Carding

The Carding department focused on improved performance and on raw material savings. The high-performance worker and doffer wires SiroLock® and EvoStep® attracted the interest of the spinning sector. The EvoStep® card clothing features a unique slanted step undercut on the tooth front. In this area the working angle is significantly more pronounced than conventional worker and doffer wires.

Compared to EvoStep® card clothing, which aims to reduce raw material consumption, the focus of SiroLock® card clothing is on boosting performance of the roller card via high delivery rates and nonwoven weights.



EvoStep® card clothing.



SiroLock® card clothing.

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### Sewing

The area of Sewing highlighted process optimization by presenting the Quality Management INH (Ideal Needle Handling) at this year's Techtexil. The patented process provides support in the handling of sewing machine needles during the entire sewing operation and has recently also been offering a digital

solution to document needle breakage: the Smart INH. The documentation system consists of two pieces of software, a mobile app and a browser, thereby facilitating the digital saving and storage of data sets as potential evidence. The Mobile Lab was another Sewing highlight during the show. It allowed material samples to be examined and analyzed directly at the Groz-Beckert booth. ♦

