

Groz-Beckert: New products & service highlights

Groz-Beckert presents its new products and services at booth B01, located at hall E5 on more than 1,000 square meters. The "TexCar" a Mercedes-Benz E-Class model that was rebuilt so that nearly all of the textiles used in its manufacture were laid open is highlighted at the show. This exhibit allows a free view of woven and knitted fabric, nonwovens and seams, and demonstrates the diversity of textile applications. The use of textiles goes far beyond the "classics" such as seat covers, carpets and car mats. Also in the safety equipment, e.g. airbag and safety belt, textiles and seams are indispensable. Even under the hood and at the wheels textiles fulfill essential functions.



TexCar – textiles in automobiles.

In the field of Knitting, a circular knitting machine made of acrylic occupies the center stage. The transparent nature of the machine allows insight in the interaction of all components – Groz-Beckert needles, system parts, and cylinder. Altogether 14 knitting technologies are shown, among others bodysize, single jersey and double jersey including several jacquard techniques, as well as a unique gauge gradient on a segment of a cylinder from E10 to E50.

In the field of Sewing, five S of SEWING⁵ stand for Supply, Solutions, Service, Superiority, and Sustainability.



The new packaging for sewing machine needles with data matrix code

The Groz-Beckert packaging enables needles to be transported and stored securely. As an additional service for customers the packaging label also bears a data matrix code that serves to verify its original product status. The tool needed for this, the newly developed "label scanner" is available worldwide as part of the "myGrozBeckert" app.

In the field of Felting (Nonwovens), specific needle solutions for the automobile industry are presented. The needled nonwovens, visible in the automotive interior, can be structured or flat needled products. Depending on the requirements of the customers in the automobile industry and the application or the desired quality of the end product, different needle types are suitable. The best possible surface quality of flat needled products is achieved with the EcoStar felting needle. If a grainy or velvet-like surface appearance is desired, fork or crown needles are the better choice. In comparison with standard needles, it offers users an improved surface quality of the end product, longer service life combined with reduced energy

consumption, and a fiber transport requiring a lower penetration force for the same efficiency.

Cleaning, drawing-in, knotting, weaving: Groz-Beckert shows its warp-tying machine KnotMaster. Despite the numerous functions – four tying methods, single and double knots, short knot ends, or the yarn break detector – the handling of the machine is especially simple due to its modern touch-screen control. Thanks to its broad range of applications, especially the standard version AS/3 is one of the best-sellers. It is a warp-tying machine for all fine and medium yarns made from cotton, wool, and synthetic materials as well as for blended and elastic yarns.



Warp-tying machine KnotMaster.



Acrylic machine.

The highlight at the ITMA Asia is the warp-tying machine in RS/3 version – it is perfect for all warp materials with smooth surfaces, for example fiberglass. Fiber warps can be knotted at a rate of up to 400 knots per minute. The end products of fiberglass weaving are used as base material for truck canvas, tents, circuit boards or temperature-resistant conveyer belts. ♦