



WORLD WIDE WEAVE

## **Greater efficiency for drying nonwovens**

GKD presents the latest process belt developments at the Techtextil trade fair

**With ever more fields of application and the exponentially growing rate at which conventional materials are replaced, the demand for technical textiles continues to surge. Alongside the need for high-tech products, the challenges relating to productivity and cost-effectiveness in manufacturing are also increasing. At Techtextil, the world's leading trade fair for technical textiles and nonwovens, GKD – GEBR. KUFFERATH AG presents innovative process belt solutions for optimizing these sophisticated manufacturing processes. Highly efficient woven dryer belts with non-stick coating take center stage at GKD's trade fair display in Frankfurt from May 9 to 12. A particular eye-catcher at the stand of the world's leading technical weavers is the model of a double-belt dryer with upper and lower belt. The second focus of the exhibition is the newly developed CONDUCTIVE<sup>®</sup> 7690 forming belt for the production of spunbond nonwovens, which is already helping renowned reference customers achieve a significant increase in overall process efficiency. Spiral fabrics manufactured in-house round off the range of pioneering process belt solutions for nonwoven manufacturing.**

As a solutions partner, GKD regularly sets new standards with process belts developed for specific applications and leading seam technology. This is founded on the company's consulting and engineering expertise acquired over the course of decades, which allows it to convert process practice and technology into customized product developments for the nonwovens industry. With fast response times and 24/7 service all over the world, the



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technological leader has proven to be a reliable partner even in emergencies. Seams that are thermally joined on site by GKD service engineers guarantee non-marking belt joints for drying sensitive products. This is why the process belt experts will not only present the latest products for sophisticated manufacturing processes at Techtextil, but will also be a sought-after partner for discussing new challenges or process optimization measures.

### **Coated belts for the bonding and drying of nonwovens**

Dryer belts from GKD enjoy an excellent reputation due to their high lateral stability, optimum flatness, excellent running properties, proven robustness and non-marking pin seams. These characteristics are tried and tested all over the world and optimize the efficiency of demanding thermobonding processes in single- and double-belt dryers. Woven from metal, plastic or a combination of the two, they provide the process reliability needed for a high level of productivity. With coated belt types developed for drying nonwovens, GKD is now responding to the increased challenges when processing products that are difficult to remove. The glass hybrid mesh presented at Techtextil is both lightweight and laterally stable thanks to a glass wire in the warp direction. Moreover, its high-quality PFA coating minimizes both adhesion and soiling and makes otherwise unavoidable and costly cleaning processes a thing of the past – even for highly adhesive products. The innovative mesh structure for use in single- or double-belt dryers can be magnetic or non-magnetic depending on the respective application.

### **More grip and ease of cleaning for spunlaid nonwoven forming**

Processes can also be improved significantly by using the innovative CONDUCTIVE® 7690 forming belt. Here, special monofilaments reliably dissipate any electrostatic charge that builds up during the process. The coarse belt structure in the running direction impresses through its high



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traction and homogeneous web formation in the laydown zone. The grip provided by this mesh structure renders prior grinding unnecessary when changing belts, meaning that production speed can be reached again very quickly. The innovative belt type also ensures that the nonwoven can be removed from the belt in an optimal manner. Moreover, renowned nonwoven manufacturers value the outstanding cleaning properties of the CONDUCTIVE® 7690. Dirt simply peels off or can be removed effortlessly.

### **Extra process reliability in high-speed applications**

The process belt expert offers belt types made of metal or plastic for high-speed applications in the production of hygiene nonwovens. At Techtextil, GKD will unveil a mesh structure featuring plastic wires with a break-proof granite coating, which can safely dissipate electrostatic charges in fast-moving processes. Thanks to their self-regulating running properties, highly flexible V-crimp type belts enable fault-free production even at high process speeds. Their specific structure consisting of metal with wires made of special plastic in the running direction is ideal for small bending radii and a high application of force. Self-tracking, stainless steel V-crimp type belts successfully demonstrate their robust performance in washing and bleaching processes for fibers and textiles. These conveyor belts are resistant to aggressive lyes and boast impressive process reliability even when the bearing weight is uneven.

### **Spiral fabrics round off the product portfolio**

Spiral fabrics that are completely manufactured in-house are a new addition to the GKD product portfolio. From now on, customers that need this belt type can also benefit from the comprehensive expertise of the process belt specialists. Alongside their pioneering product innovations, experience shows that it is the proven consulting and development expertise of the GKD engineers that is particularly in demand among the visitors of Techtextil.



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**Visit GKD – GEBR. KUFFERATH AG**

**at Tectextil in Frankfurt**

**May 9 - 12, 2017**

**Hall 3.1, stand D79**

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**GKD – GEBR. KUFFERATH AG**

The owner-run technical weaver GKD – GEBR. KUFFERATH AG is the global market leader for metal and plastic woven solutions as well as transparent media facades. Under the umbrella of GKD the company combines four independent business units: Industrial meshes, Process belt meshes, Architectural meshes and Transparent media façades. With its six plants – including the headquarters in Germany and other facilities in the US, South Africa, China, India and Chile – as well as its branches in France, Great Britain, Spain, Dubai, Qatar and worldwide representatives, GKD is never far from its customers.

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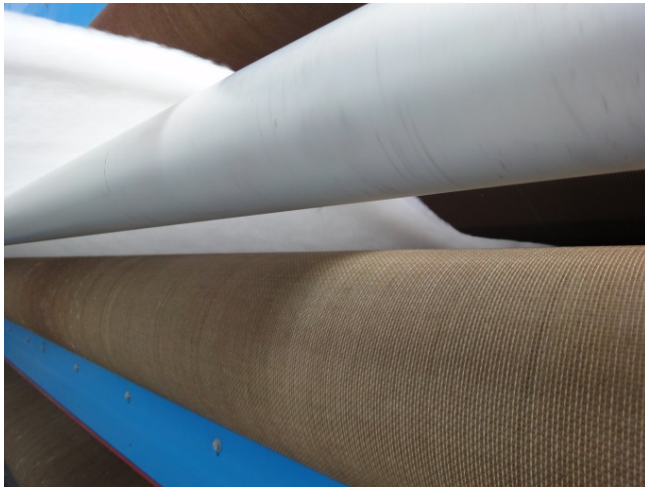
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## Greater efficiency for drying nonwovens

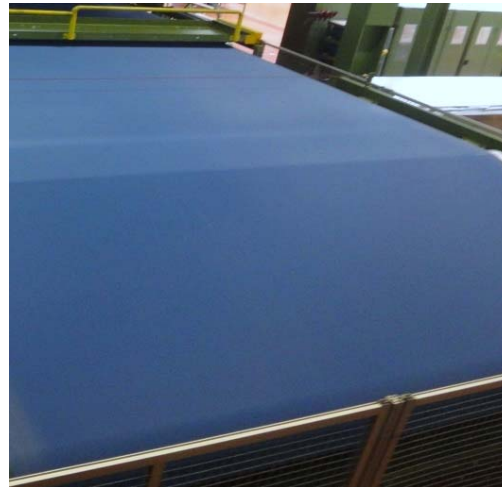
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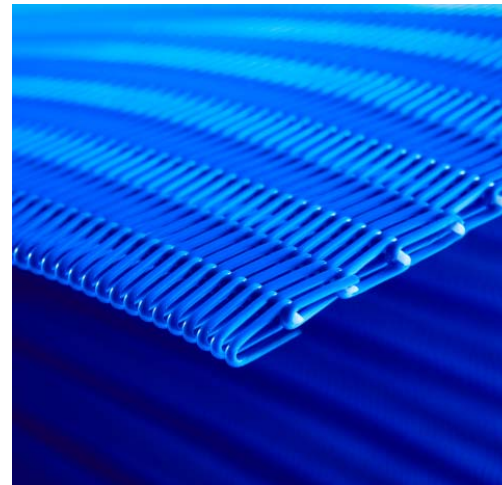
Picture 1: With coated belt types developed for drying nonwovens, GKD is responding to the increased challenges when processing products that are difficult to remove.



Picture 2: The innovative CONDUCTIVE® 7690 forming belt by GKD impresses through its high traction and homogeneous web formation in the laydown zone.



Picture 3: Highly flexible Duofil® V-crimp type belts by GKD enable fault-free production even at high process speeds.



Picture 4: Spiral fabrics that are completely manufactured in-house are a new addition to the GKD product portfolio.

Picture 1 © GKD/Ziegler

Picture 2-4 © GKD

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