



WORLD WIDE WEAVE

GKD at INDEX 2020

Innovative process belt designs as reliable protection against electrostatics and material adhesion

Technical weaving operation GKD – Gebr. Kufferath AG (GKD) will once again be showcasing its integrative consulting and engineering expertise for the nonwovens industry at INDEX in Geneva, the world's largest nonwovens exhibition. In keeping with the corporate vision of only creating products and solutions that make the world healthier, safer, and cleaner, GKD will be presenting a comprehensive range of mesh and spiral fabric belts for forming, drying, and bonding of nonwovens here. The company's presence at the exhibition will focus on two pioneering developments: CONDUCTO® 7690 with metallic multifilaments, and glass hybrid fabric belts with anti-stick coating. The exhibition appearance will be rounded off with tailor-made metal fabric filter media, which have been proven to set new standards in the central filters, spinning beams, and blower screens used for polymer filtration. The GKD experts, boasting many years of experience, will be on hand at the INDEX event for more detailed discussions on all topics.

Achieving maximum process reliability and system availability is crucial in securing production efficiency and the success of products in the nonwovens industry. Conveyor and process belts from GKD perform a key task here thanks to their system-specific and product-specific mesh design and the materials used in their construction.

Spunlaid nonwoven forming: Metallic dissipation also for hygiene products

With CONDUCTO® 7690, a fabric design comprising polyester monofilaments and metallic multifilaments, GKD has succeeded in preparing



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electrostatic dissipative metal in such a way that it can also be used for sophisticated medical and hygiene products without any risks. This latest addition to the CONDUCTO[®] range facilitates between one and ten times greater dissipation of electrostatic charges than conventional belts. The metal fibers that are woven into the back of the belt do not come into contact with the product. The flexible yarn produced from stainless steel fibers does not suffer from corrosion or bending fatigue and is also rugged. At the same time, it optimizes dissipation of electrostatic charges with unprecedented efficiency. The new fabric design combines these properties with the familiar benefits of all CONDUCTO[®] forming belts: excellent traction, homogeneous web formation, optimum nonwoven removal, and easy cleaning.

Web bonding and drying: Years of service without any material adhesion

The glass hybrid fabric belts with anti-stick coating from GKD have a proven track record of significantly increasing process efficiency. Used as upper and lower belts in real-world applications over multiple years, they have far surpassed the high expectations in terms of process performance and product quality in exacting thermal bonding processes with highly adhesive products. The single-ply fabric design, comprising metal weft wires and fiberglass strands as the warp, makes the belts energy-efficient lightweights. A service life of multiple years, minimized cleaning intervals, and high production speed underline their efficiency. The glass hybrid fabric belts also impress with excellent transverse stability and running characteristics, even when used with large working widths and strong product shrinking forces. Their complete, high-grade PFA coating protects wires, strands, and intersections from any kind of material adhesion, even when processing highly adhesive products or using bicomponent fibers. Glass hybrid fabric belts are temperature resistant up to 250°C and do not stretch.



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Converting: Field-proven and high-performance alternative

Custom spiral fabric belts, produced in-house to customer specifications, complement GKD's portfolio of tried-and-tested process belts. These spiral fabric belts often represent an attractive alternative, particularly when using very wide or high-speed systems for production of hygiene products. Featuring high air permeability and excellent dimensional stability, they once again serve to underline GKD's integrative process and conveyor belt expertise.

Polymer filtration: Long service life, precise filtration

Multi-layer metal fabric screens, designed and produced by GKD for specific processes, ensure a long service life of the screen changers in central filters. The filter discs or cartridges, produced from up to six layers of optimized dutch weave, impress due to their high dirt holding capacity, fine filtration rates, and low clogging tendency. In the spinning beam, media designed for specific applications optimize filtration of the fusion flow in long filters or long screens, while also extending the service life of the spinnerets. Blower screens produced from honeycomb supporting plates, employing specially pretreated fabric designs on both sides, guarantee an even fiber flow thanks to a homogenized stream.

Visit

GKD – Gebr. Kufferath AG
at INDEX in Geneva
March 31 – April 3, 2020
Stand 2180

4.825 characters incl. spaces



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As a privately owned technical weaver, GKD - Gebr. Kufferath AG is the world market leader in metal, synthetic and spiral mesh solutions. Four independent business divisions bundle their expertise under one roof: Industrial Mesh (woven metal mesh and filter solutions), Process Belts (belts made of mesh and spirals), Architectural meshes (façades, safety and interior design made of metal fabrics) and Mediamesh® (Transparent media façades). With its headquarter in Germany and five other facilities in the US, South Africa, China, India and Chile – as well as its branches in France, Spain, Dubai and worldwide representatives, GKD is close to markets anywhere in the world.

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