

Steel belts for the laminate industry

Your customized designs with high-quality haptic

Innovative laminates

Offering the perfect alternative to real wood, laminates enjoy greater appreciation today than ever before. Keeping up with the latest design trends and retaining the ability to satisfy the specific needs of the end customer requires not only a comprehensive selection of decors but also steel belt textures that match this sweeping selection. The harmonious blend of decor paper and tactile properties take the quality of the product to an even higher level.

The Berndorf Band Group has been analyzing the ever increasing requirements of society for years, devoting tremendous resources to the advancement of their design and technology. The relentless efforts in research and development and the close cooperation with leading manufacturers of wood-based materials have earned the group the ability to implement designs on endless steel belts that feature complex embossing in register textures.



Highlights

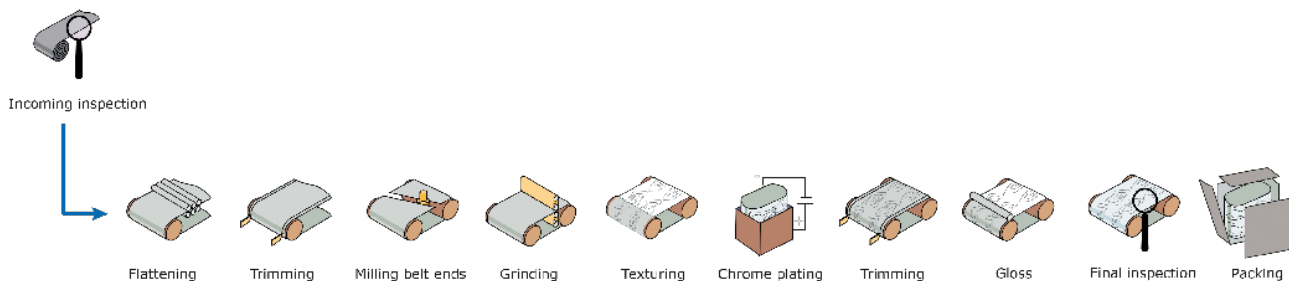
- Cutting-edge digital printing technology guarantees optimized reproduction, ensuring a consistent embossing result and the production of highly elaborate textures
- Creation of varied effects on textured and smooth belts
- Manufacturing of textured endless press belts that are perfectly customized and offer a large variety of visual and haptic effects
- Outstanding economy when compared to short cycle (SC) plates and release paper
- Consistent reproduction of individual textures
- Extensive selection of deep, complex and high-precision surface textures for embossing in register products
- Long lifetime thanks to the ability to refurbish the belts or restore their chrome plating

Robust, long-lasting and natural

The aspect of producing products that are as close to nature as possible is also becoming increasingly important in the laminate industry. Aside from pairing the look of real wood or stone with the durability of a laminate floor, the registered embossing process also translates this natural look into a true-to-life feel of the products. The result are floor coverings boasting wooden decors that are nearly impossible to distinguish from the original materials.

The company utilizes a high-precision manufacturing process to make raw belts that form the basis for a continuous production process that brings forth synchronous surface textures. Highly advanced digital printing and etching technology optimizes repeatability, ensuring a consistent embossing result and the incorporation of customer-specific designs.

A major benefit of textured stainless steel belts is their long lifetime. The Berndorf Band Group achieves this longevity with the use of specially engineered machines capable of reconditioning the belts and restoring their chrome plating. These highly specialized machines are able to gently rebuild the gloss of the belts, thereby restoring the belts to near original condition. To customers using their belts for continuous operation and, thus, requiring regular refurbishing, the Berndorf Band Group offers machines for purchase and installation on the customer's premises.



Manufacturing process for a textured belt



“The application of state-of-the-art manufacturing processes, primarily the latest digital printing technology, has enabled Berndorf Band to advance the technical possibilities to the next level, ensuring the production of innovative textures with stunning visual and haptical properties at high resolution and perfect positioning accuracy.”

*Adrian Miller
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