

Baldwin Technology to demonstrate how to “Finish with Perfection”

Baldwin Technology Company Inc. is excited to show the textile supply chain how to “Finish with Perfection” at ITMA 2023 with its TexCoat™ G4 precision spray finishing system, eliminating chemistry waste on changeover, saving water, and achieving faster speeds through the stenter frame and relaxed dryer.

Baldwin will demonstrate TexCoat G4 from Stand H-14-C205, as well as its Plasma Pure treater. ITMA participants can stop by and “touch” Baldwin’s wide array of TexCoat G4-applied fabric samples from textile mills around the world and experience what precision finishing “feels” like. Experts will be on hand to discuss how Baldwin Technology can assist in transitioning the textile supply chain to reach their sustainability and carbon footprint goals while improving performance and saving money.

“Since its introduction at ITMA 2015 in Milan, global textile finishers have embraced TexCoat and reaped the benefits,” said Rick Stanford, Baldwin’s VP Global Business Development, Textiles. “They have been able to increase profitability, cut energy use, and reduce their carbon footprint in addition to exercising precision control with patented precision spray technology.”

In the context of a cost-sensitive global economy and an increased focus by brands, consumers and regulatory agencies on sustainability, customers are placing a premium on sustainability-advantage textile production. TexCoat G4’s non-contact spray technology offers numerous advantages compared to old and commodified methods of applying finishing chemistry.



TexCoat G4 processes a wide range of low-viscosity water-based chemicals, such as durable water-repellants including PFAS-free, softeners, anti-microbials, easy-care and flame retardants, just to name a few. The company’s technology uses the same chemicals as found in traditional pad baths with no special auxiliaries required.

In addition to TexCoat G4, Baldwin is offering its Plasma Pure treatment for textiles. The system enhanced and more efficient dyeing, coating and lamination of textiles and nonwovens. Its ceramic electrodes generate an air plasma used to efficiently treat the fabric surface. Key benefits include dramatically improved absorption and adhesion properties of the fabric, boosting productivity while enhancing the absorption properties with an optimized and uniform dyeing result and a significant acceleration of the absorption process. Laminated fabrics benefit from Plasma Pure technology with greater bonding strength.

Groz-Beckert presents its highlights from research and development



Groz-Beckert will be represented at ITMA (hall 2, booth D101) with its six product sectors and will have various innovations in its luggage. The presentations at the booth will be supported by augmented reality applications. This allows visitors to discover the products both live and virtually.

The Knitting product sector will be represented at the Groz-Beckert stand with its four product groups circular knitting, flat knitting, legwear and warp knitting. In the circular knitting segment, for example, two newly developed knitting systems will be on show which has been realized in collaboration with machine manufacturers. The

developments focus on energy savings, extended cleaning intervals and increased process reliability.

The flat knitting group will be presenting a newly developed high-performance needle, which is particularly suitable for the production of technical or medical textiles. For customers in the legwear industry, Groz-Beckert has both further developed sock and fine hosiery needles and system parts in the bag. Thanks to their high resistance, these products help to reduce knitting process costs. The warp knitting product group will be presenting new needle modules at its booth, as well as the newly developed hole punching needle for piezo jacquard machines.

In addition to the machines for weaving preparation, the Weaving product sector will present its recently expanded portfolio of technical weaving reeds. The new weaving reeds make it possible to supply customers who produce fabrics with high densities. The weaving reeds are used in the production of special fabrics, for example, in technical filtration, membrane technology, solar cells or touch screens.

Products and services for classic needling and hydroentanglement will be presented by the Felting (Nonwovens) product area. In the field of felting needles, visitors can look forward to two world firsts: a new notch shape and the Groz-Beckert felting needle module. In the felting needle module, the needles are embedded as a module in a plastic mold for the first time. The needle modules are