Baldwin's TexCoat G4™ Charts Path to Sustainable Finishing at ITME India

Precise application using digital spray technology replaces age-old pad "dip-and-squeeze" method to optimize performance, boost productivity and save precious resources

Baldwin Technology Company Inc. will demonstrate at ITME India how its revolutionary TexCoat™ G4 precision spray finishing system eliminates chemistry waste on changeover, saves water and achieves faster speeds through the stentor frame among its many sustainable advantages.



TexCoat G4™

ITME India will be held December 8-13 at the India Exposition Mart. Baldwin will demonstrate TexCoat G4 in Hall 7A B9, and also provide the details on its leading-edge Plasma Pure corona treatment and TexMoister G2™ remoistening technologies.

Baldwin's TexCoat G4 non-contact precision-spray technology helps textile finishers up their game by enabling consistent, high-quality finishing, with zero chemistry waste and drastically minimized water and energy consumption.

With a cost-sensitive global economy and an increased focus by brands and consumers on the environment, customers are placing a premium on sustainability in textile production. TexCoat G4's non-contact spray technology offers numerous advantages compared to conventional methods of applying finishing chemistry.

With Baldwin's innovative system, the chemistry is precisely distributed across the textile surface and is applied only where it is required, on one or both sides of the fabric. The non-contact technology eliminates chemistry dilution in wet-on-wet processes, allowing full control of maintaining consistent chemistry coverage rates. Plus, pad bath contamination is eliminated, and changeovers are only required when there is a change of finish chemistry

More specifically, with Baldwin's TexCoat G4, textile finishers can expect unprecedented tracking and control of the finishing process for consistent quality. Changeovers are easily and quickly performed thanks to recipe management, including automated chemistry and coverage selection. Furthermore, the system offers automated speed tracking, fabric-width compensation, and real-time monitoring to track system uptime, performance and chemistry usage, as well as active care alerts.

In addition, the TexCoat G4 system can process a wide range of low-viscosity water-based chemicals, such as durable water-repellants, softeners, anti-microbials, flame retardants and more. Baldwin's innovative technology utilizes the same chemicals used in the traditional pad bath, and no special auxiliaries are required. The recipe is adjusted by increasing the

concentration and reducing the pickup by a corresponding amount, so that the same level of solids is applied.

Some applications, such as durable water repellents, are only applied on the face of the fabric, instead of the traditional method of saturation through dipping and squeezing. Drier fabric entering the stenter means lower drying temperatures and faster process speeds. Single-side applications also open up the opportunity to process back-coated or laminated fabrics in a single pass of the stenter, instead of two passes.

“We are looking forward with great enthusiasm to finally be able to meet face to face with India’s dynamic textile industry,” said Rick Stanford, Baldwin Technology’s VP of Global Business Development, Textiles. “During the pandemic, we introduced TexCoat to numerous textile executives via Zoom meetings. However, there’s no substitute for direct interaction and for the market to be able to see and touch TexCoat in person.”

Visit Baldwin at ITME India, December 8 to 13, Hall 7A B9. For more information on Baldwin’s Texcoat G4 and other textile finishing technologies, visit https://baldwintech.com/for-textiles.