Eco-Friendly Textile Innovation: Baldwin and Elmatex's Sustainable Leap at Techtextil

In a groundbreaking move for the textile industry, Baldwin Technology Co. has partnered with Elmatex GmbH to unveil its TexCoat™ G4 precision spray technology at Techtextil, Frankfurt. This innovation marks a significant step towards sustainable textile finishing, showcasing a system that dramatically reduces waste, conserves water, and minimizes energy usage. The event, scheduled for April 23-26, will serve as a platform for demonstrating how the TexCoat™ G4 system transforms fabric finishing with its eco-friendly approach.



TexCoat™ G4



Elmatex's Soren Klein (l.) and Baldwin's Simone Morellini will share the benefits of TexCoat™ G4 at the Elmatex's Techtextil booth

Located in Hall 12.0, Stand D63, the partnership between Baldwin and Elmatex merges Baldwin's advanced finishing technologies with Elmatex's expertise in distributing premier textile machinery. This collaboration is poised to introduce textile manufacturers to a suite of solutions designed for the modern, environmentally conscious era. Rick Stanford from Baldwin and Sören Klein from Elmatex underscore the importance of their technologies in meeting the industry's demand for sustainable production methods.

The TexCoat™ G4 distinguishes itself by applying finishing chemicals in a precise, non-contact manner, ensuring that the application is limited to necessary areas, thus eliminating waste and conserving resources. This method contrasts sharply with traditional techniques, which often lead to significant dilution and contamination. By enabling precise control over the finishing process, the system ensures consistent quality while promoting environmental sustainability.

Furthermore, the TexCoat™ G4 system is capable of handling a diverse range of water-based chemicals without needing special auxiliaries, broadening its applicability across various textile finishing applications. Its advanced features, such as automated recipe management and real-time performance monitoring, streamline the finishing process, enhancing both efficiency and product quality.

Techtextil presents an unparalleled opportunity for industry professionals to explore sustainable solutions that align with global environmental goals. Baldwin and Elmatex's showcase of the TexCoat™ G4 system at the event promises to highlight the potential for innovative, eco-friendly practices in textile manufacturing.