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TexCoat G4

Revolutionizing Non-Contact Textile
Finishing with Total Process Control

BALDWIN®

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TexCoat G4 enables a continuously high-quality finishing process with zero chemical waste and minimized water and energy consumption.

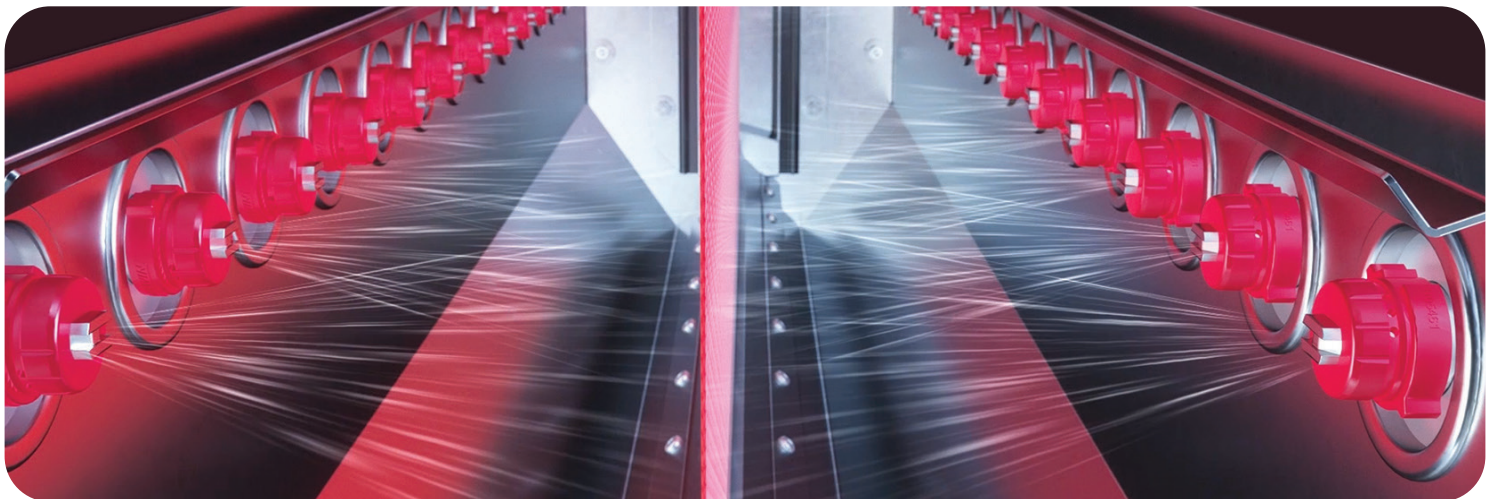
TexCoat G4 utilizes Precision Application Technology (PAT), a noncontact textile finishing system enabling a high spray intensity and deep impregnation, even on thick fabrics.

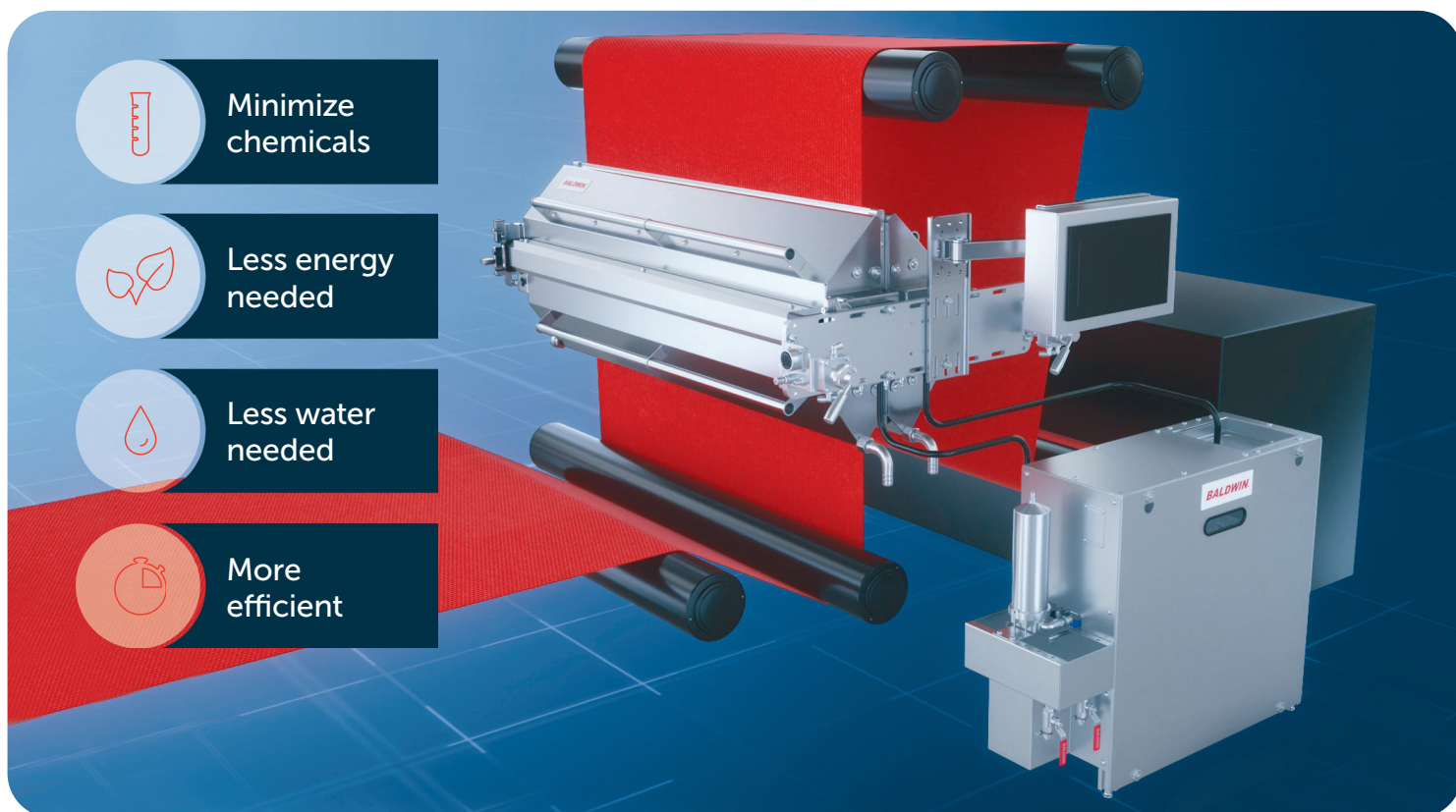
Enhanced process and product quality

The exact amount of chemicals required is consistently and uniformly sprayed across the textile surface and applied only where it is needed – on one or both sides of the fabric. As only the necessary amount of chemicals is applied, the wet pick-up levels are reduced by up to 50% compared to conventional finishing methods, leading to 50% decreased water consumption as well as 50% less energy for drying. The low wet pick-up rate together with the single-side spray application can eliminate entire process steps for e.g. laminated fabrics and upholstery textiles. With the non-contact PAT, you don't have to worry about chemicals dilution in wet-on-wet applications or any bath contaminations. Moreover, there will be zero downtime in fabric changeovers.

Sustainability leading to profitability

In fabric or chemical changeovers, 100% of the chemicals are recycled with zero waste. In combination with reduced energy, water and chemicals consumption, TexCoat G4 ensures a sustainable and financially beneficial textile finishing process.





Advantages of using the TexCoat G4

- Non-contact spray application
- Zero chemical waste on job changeovers
- Zero chemical contamination with fabric color leading to no downtime or waste on color changeovers
- Easy maintenance thanks to automated cleaning routines
- Single or dual-sided spray application
- No chemical dilution in wet-on-wet applications
- Easy and fast job changeovers
- Traceability
- Sustainability leading to profitability

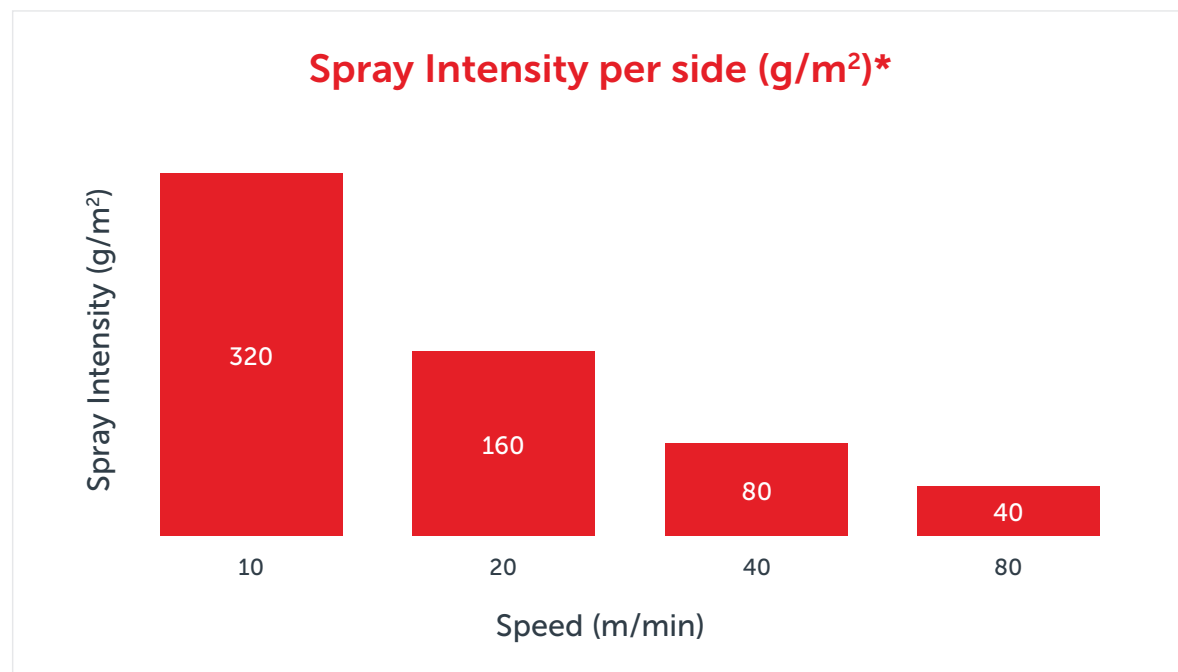
Automated cleaning increases the uptime

The automated end of job wash of TexCoat G4 considerably increases production uptime while reducing time for service and maintenance. Featured with in-cycle cleaning functionality, the system enables water-repellents and other polymer-based chemicals to be ran with confidence.

Traceability – Industry 4.0 Interfaces

The TexCoat system supports data exchange using OPC-UA. This interface is widely used in the Textile industry. Recipes including chemical mix, coverage level and fabric width, are sent to the TexCoat directly from the dyeing and finishing ERP system. The absence of manual intervention prevents errors. Furthermore, when the batch is complete, run data is exported automatically from TexCoat to the ERP system.

The interface together with the Precision inherent in TexCoat offers unprecedented control of recipes and full traceability of batch run data.



*The exact coverage on fabric is dependent on the fabric characteristics.

