# Lower your finishing department's carbon footprint

*TexCoat G4 in production*

## TexCoat G4

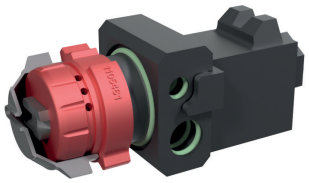
MAIN BENEFIT:

Real world production performance confirms TexCoat G4 can reduce finishing's carbon footprint by up to 50% resulting in substantial electricity and gas savings. In a recent study with a well-known brand and one of their key fabric producers, TexCoat G4 delivered chemistry and water savings of 48% in a head-to-head comparison with traditional padding.

HOW IT WORKS:

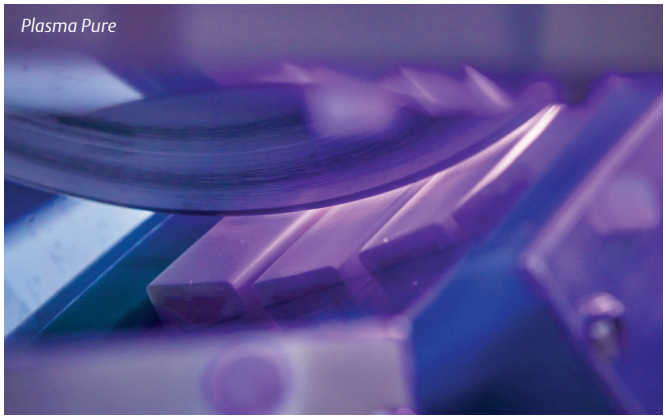
An array of patented, precision spray valves and nozzles enclosed within a mist containment enclosure delivers metered finish coverage on the fabric's surface accurately and, where needed, using significantly less water than traditional pad applications. Less water translates into lower energy requirements to dry the fabric. Drier fabric means higher production speeds. Depending on the application, actual production data confirm speed improvement of 25+%. Unlike pad finishing where the 100-200 liter bath is emptied and replaced up to 15 times per day, TexCoat is contact-free and not subjected to bath contamination. TexCoat only empties its 4 liters of chemistry when a finish recipe is changed.

*Spray nozzle and valve*



*Baldwin's patented, precision spray valve technology with more than 40,000 units installed worldwide.*

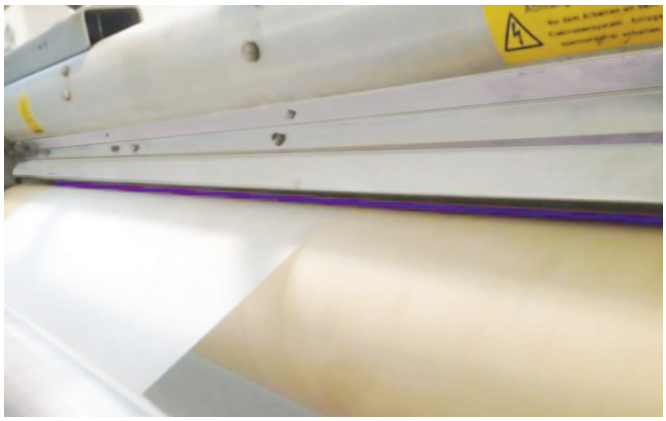
# Surface treatment - optimizing dyeing, finishing and lamination processes


*Plasma Pure*

## Plasma Pure

MAIN BENEFIT

**Plasma Pure treatment systems enhance the absorption properties of textiles for more efficient dyeing, finishing and lamination. Wettability is improved without the use of expensive chemicals and for lamination processes, substrate bonding improvements assure the final product meets the most demanding test protocols for peel strength.**



HOW IT WORKS:

The system's ceramic electrodes generate an air plasma that temporarily alters the molecular structure of the fabric. You cannot see or feel the change, but the improvements in absorption and adhesion are obvious.

Plasma Pure's slim design makes integrating into an existing production line a breeze.

**Contact**

Email: info@baldwintech.com

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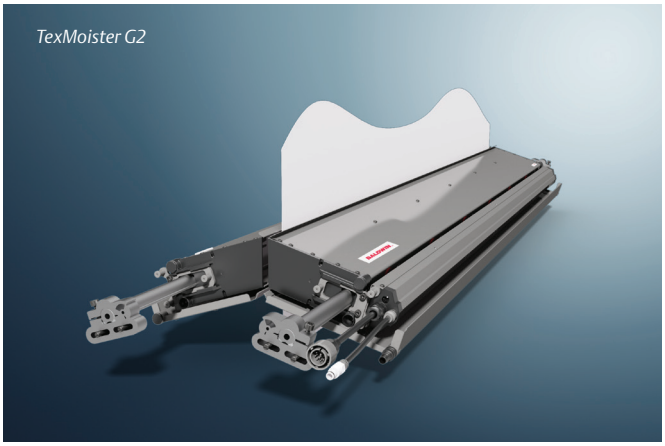
# Precise textile remoistening in a compact size




## TexMoister G2

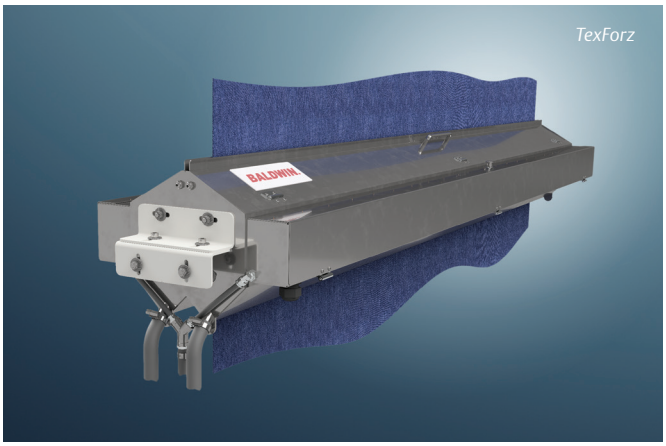
MAIN BENEFIT:

TexMoister G2 is an excellent remoistening technology in the finishing department.
The vast majority of applications are at the exit end of the stenter frame to optimize the fabric's moisture content back to its natural moisture regain TexMoister G2 is also used in other finishing processes such as compacting and decatizing.

HOW IT WORKS:

TexMoister G2 uses the same precision valve technology as TexCoat with a simpler, more compact geometry. The intuitive interface and proprietary algorithms assure an even application without striping which is commonly associated with rotor spray systems.

# TexForz- When you need precise, high volume and high-speed remoistening in the finishing department




## TexForz

MAIN BENEFIT:

TexForz is the "go-to" remoistening system when you need more capability compared to TexMoister G2 to apply higher Grams per Square Meter (GSM) at faster production speeds. Common applications include remoistening prior to entering the stenter for heat-setting applications and for sanforizing where even and deep penetration into the core of the yarn is necessary when shrinking heavy cotton fabrics to optimize and make repeatable residual shrinkage throughout the batch.

HOW IT WORKS:

Taking a page out of the playbook of TexCoat G4, TexForz leans on Baldwin's optimized spray valve and geometry technology to provide outstanding precise and even moisture application side, center, side and from the beginning and throughout the batch to the very last meter. TexForz is capable of supplying enough moisture even on the heaviest fabrics and at the highest production speeds. The patented overlapping spray geometry eliminates the possibility of what is commonly called "rotor stripes".

**Contact**
Email: info@baldwintech.com
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