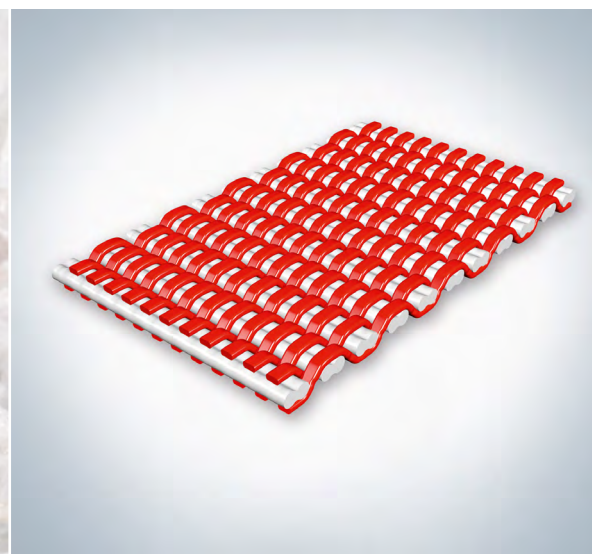


Jade

Clean and lean dryer fabric



Have you encountered problems with dryer fabrics which lose their ability to evaporate moisture and dry the sheet? Often, these issues arise from dirt particles sticking within the fabric structure. Voith has overcome this drawback with Jade, a new single layer fabric to boost your dryer section performance!

Conventional double layer dryer fabrics with a high void volume tend to collect dirt particles, close open areas and limit evaporation. The design of Jade is based on a proven concept that has been extended to match the requirements of machines producing finer paper grades at higher speeds. Jade provides good contact area, great performance and ease in cleaning.

Your benefits

- + Clean run and above-average performance
- + High number of contact points for good sheet control and optimum pressure distribution
- + Good abrasion resistance
- + Thinner fabric caliper to ease removal of dirt particles
- + Less skew
- + Significantly reduced void volume

Characteristics of Jade



Technical data and application range

Yarn	MD	CMD
Material	PET	PET
Dimension (mm)	0.36 x 0.67	0.80 / 0.70
Permeability range		
cfm	90 - 300	
m ³ /m ² /hr	1,400 - 4,800	

Saving potentials with Jade Example

Achieved with Jade due to maintained fabric cleanliness

- Sheet break reduction by one per day
- Increase in speed by 10 mpm on machines which are steam limited given that the fabric is no longer too closed for good evaporation
- Additional revenue of 46,000 €/a for a packaging machine by avoiding unplanned shutdowns for dryer fabric cleaning or changing
- Decrease of energy costs for stabilizer fans by 12,000 to 31,000 €/a as dryer fabric no longer loses its initial permeability

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Further Information



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Excellent evaporation with Jade

Jade is a single-layer dryer fabric with excellent contamination resistance. The proven combination of flexing points and lowest cross-over points repels the build-up of contamination inside the fabric structure. This ensures high effective evaporation of moisture from the sheet throughout the entire fabric life.

Not a chance for dirt

The combination of flat yarns, thin fabric caliper and exceptionally low internal void volume enables easy removal of dirt particles from the surface. This means that Jade works effectively with all types of cleaning devices, such as DuoCleaner Express, mechanical or manual cleaning.

Highest sheet control

The flat warp structure and high number of contact points grant high sheet control. The interconnected channels allow the stabilizer vacuum to evenly distribute the optimum under pressure and reduce sheet breaks.

A material like no other

The new stronger SynStron yarns are developed specifically for the tough conditions in the dryer section. They provide increased resistance to abrasion and fibrillation for ease of cleaning. SynStron offers superior performance compared to conventional polyester materials. SynStron has especially a higher tensile strength to improve seam durability.

Why is Jade your dryer fabric of choice?

Jade brings the lowest level of internal void volume to the industry which helps to maintain openness and avoids trapping of dirt. Jade clearly shows its advantages in terms low dirt carry and high abrasion- and fibrillation-resistance. Its strong position originates from the smart CleanWeave technology used in this single-layer design construction and brings clear benefits to customers.

VOITH
 Engineered Reliability