IR drying solutions for laminated paper

Benefits

1. Highly flexible
2. Compact
3. Energy efficient

Drying and curing resins are two essential steps in the impregnation process during the production of laminated paper. Infrared radiation offers the best solution to supply energy and maintain high quality.

We provide two compact IR drying systems that conform to the needs of the paper industry: Gemdryer® and Unidryer®. Each system consists of gas IR emitters combined with air nozzles for a better water evaporation rate after the resin bath on the impregnation line.

Why choose Bekaert?

The expert in infrared and air drying equipment

Thanks to our wide range of standard and customized infrared and air solutions, Bekaert can offer you products of the highest quality and performance.

Global presence

We are always near. With production facilities at strategic locations across the globe we operate in over 120 countries. This means the products and service we offer to you are consistent, worldwide.

Customer satisfaction

To keep meeting the market’s needs, we are continuously gauging for your opinion about our products and services. Through benchmarks in terms of quality, energy efficiency and lifetime we can further improve our systems for the benefit of your process.

Optimal paper quality at minimal operating costs
How does Bekaert drying technology optimize your process?

● **Increase your production speed**

By adding a GemDryer® system before your existing furnaces you can increase your line speed by 20 to 30%, and this without having to modify the existing line. Moreover, the system allows you to control the moisture profile cross direction by focusing more energy on the paper edges. You can increase your production speed even further, up to 50%, by replacing a part of the existing air tunnels with a UniDryer® system.

● **Save energy**

Thanks to a build-in Energy Recovery System between the IR emitters and air tunnels, our systems are able to reuse hot exhaust air from the IR drying system as an energy source for the hot air tunnels. This leads to a significant decrease of energy consumption which will lower your total operational costs.

● **Reduce the footprint of your installation**

Our systems are not just highly efficient but are also very compact compared to hot air tunnels. You can boost the speed of your line and improve your product quality without increasing your footprint.