

Benefit from our services to the paper and board industry

You can trust our know-how. More than 1,000 systems have been installed worldwide of which 60% come from existing customers.

We offer to your business a complete product range for non-contact drying including gas, electrical infrared and air flotation solutions.

Our application engineering services are at your disposal to define the best solution in terms of drying quality, efficiency and investment costs.

We have local service teams available in Brazil, China, Finland, France, Germany, Indonesia, Italy, Sweden and USA.

www.bekaert.com

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**Worldwide Headquarters
Solaronics SA**
78 rue du Kemmel
FR-59280 Armentières
France
T +33 3 20 10 59 49
F +33 3 20 10 59 39
sales.ncdpaper@bekaert.com

WebMate®

Electrical infrared drying and profiling after size press and coating stations



BCT 415223 C This paper has been dried with a Bekaert non-contact drying system

Minimize your operating costs while improving your paper quality

Bekaert WebMate® for non-contact drying and profiling after size press and coating stations

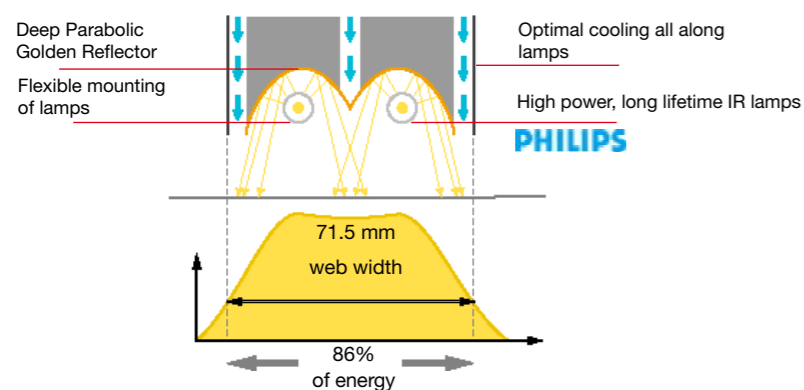
Minimize your operating costs

Benefit from the longest emitter lifetime and highest energy efficiency provided by Bekaert WebMate®.

Bekaert WebMate® modules are high density electric infrared emitters especially developed for the paper and board industry. Thanks to the patented design based on Philips infrared lamps, we offer you more than twice the lamp lifetime versus conventional emitters.

By the use of deep parabolic golden reflector technology, you can save up to 50% of your energy costs for profiling. For CD moisture profiling, it is important that you can focus the energy only where it is needed. This is the only technology that ensures that 86% of the emitted energy is focused into a web width zone of only 71.5 mm.

Also, up to 20% savings of your energy consumption can be made by the use of Coradiator. The electrically heated Coradiator converts the absorbed short wave radiation into medium wave radiation, which is reflected back to the web. This ensures the highest evaporation efficiency due to the perfect match with the absorption spectrum of water.



Improve your paper quality

Bekaert WebMate® brings the highest quality to your paper thanks to its unique features.

You can reach the best paper quality by drastically improving your CD moisture profile. Bekaert WebMate® offers the lowest 2σ and highest peak-to-peak reduction. This performance can only be realized by the use of the parabolic golden reflector technology.

The use of high power Bekaert WebMate® module allows to reach the gel point as fast as possible. Therefore binder migration and mottling are reduced for the best printing quality.

Bekaert WebMate® is the only system that uses overlapping quartz plates. This ensures an even drying by avoiding air leakages on the paper.



AssiDomän Frövi - Sweden
Liquid Packaging Board
Bekaert WebMate® M2000+P2200
650 m/min 5.4 MW 6.8 m



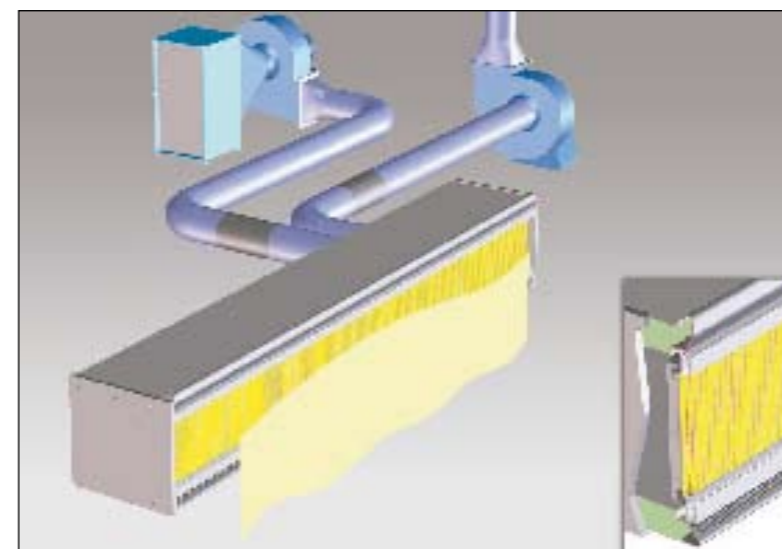
APP Ningbo Xiaogang - China
Coated Packaging Board
Bekaert WebMate® M2000
900 m/min 12.6 MW 8.1 m



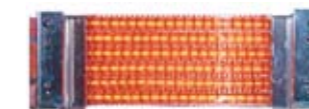
UPM Nordland Papier - Germany
Coated Fine Paper
Bekaert WebMate® M2000+Corad
1,600 m/min 36 MW 9.6 m



Appleton West Carrollton - US
Copy Paper
Bekaert WebMate® P2200
850 m/min 850 kW 6.7 m



Hood dimensions	1 row: 568 mm MD x 598 mm height
Module dimension	143 mm CD x 500 mm MD
Module max power	24 kW
Max power density (f/f)	592 kW/m ²
Max evaporation rate (f/f)	490 kg/h/m ²
System efficiency	53%



Bekaert WebMate® M2000
6 lamps - 3 kW or 4 kW
profiling zones:
143 mm or 71.5 mm



Bekaert WebMate® P2200
4 lamps - 4 kW
profiling zones:
143 mm or 71.5 mm

Bekaert WebMate® options to better satisfy your current and future needs!

What makes Bekaert WebMate® unique is that we offer infrared modules based on 3 or 4 kW lamps, which offers a maximum flexibility for future power upgrading.

Automatic Web Width Selection.

Reflector based on high reflective ceramic material does not require air cooling and associated air ducting and fan.

Coradiator for highest energy efficiency.

Websafe is a patented water spray technology for optimal risk-free operation under any working condition.

Temperature line scanner for the best paper quality. This scanner offers you the highest resolution and sampling frequency for temperature measurement. It is located outside the zone of high moisture and temperature to guarantee a continuous trouble-free operation.

Minimize your operating costs while improving your paper quality

Bekaert WebMate® is an electrical infrared non-contact drying solution. This system consists of WebMate infrared modules and air nozzles. This unique combination ensures a high system efficiency of 53%. Knowing that WebMate modules offer the longest lifetime at the highest power, you can be sure that operating costs are minimized.

Your paper quality is improved thanks to the WebMate® high narrow zone profiling capability and high drying rate.

Additional benefits:

Unlike conventional reflector screen, the reflector does not require air cooling and associated air ducting and fan.

Your machine runnability is optimized thanks to the use of integrated air nozzle technology.