



Baldwin's Precision Spray reduces maintenance costs by 100%

AHLSTRÖM-MUNKSJÖ, SWEDEN

CASE STORY

The world-leading advanced paper manufacturer, Ahlström-Munksjö chose to install a Baldwin Spray Applicator for remoistening in their foil manufacturing process, to cut maintenance costs and reduce downtime and waste. It turned out to be a rewarding choice realizing highly above expectations.

With an increasingly high market demand for finish foils, edge bands and balancing paper, especially in the interior industry, Ahlström-Munksjö has a continuously high capacity with production running 24/7. Downtime due to equipment maintenance may lead to high losses in production costs, thus reliable performance of the equipment is crucial.

Complete reliability

The remoistening process is critical for preserving a stable structure of the foil finishing result without any appearance of curling. Before installing the Baldwin Spray Applicator, Ahlström-Munksjö used a remoistening equipment utilizing rotary disks for moist application. This method was not always reliable in regards of quality

and uniform end results, so it frequently required time consuming inspections and costly production downtime due to maintenance.

The Baldwin Spray Applicator however, changed all that and today, these inspections are no longer necessary.

The Spray Applicator from Baldwin proved to be completely reliable and basically maintenance-free.

"Maintenance costs used to be quite high with the rotary disk system," explains Daniel Pettersson, Process Engineer, Ahlström-Munksjö.

“Since we replaced it with the Spray Applicator from Baldwin, we are satisfied that maintenance costs for remoistening have reduced by 100%,” Pettersson continues.

Superior quality and reduced waste

Delivering a consistently superior finish foil, edge band and balancing paper quality is fundamental for Ahlström-Munksjö. If there is a slightest unsatisfactory result of the end product, the foil manufacturing process needs to restart from scratch. This is a process that requires valuable production time and large amount of costly material waste.

Thanks to the Baldwin Spray Applicator’s features such as individual spray nozzle control and automatic volume adjustment, it delivers a continuously uniform remoistening application with no risks for the foiled material to curl.

“There used to be reclaims due to curling of the end product as a result of bad remoistening,” says Daniel Pettersson. “However, this is completely avoided since the Baldwin Spray Applicator was installed. The end result is now keeping a consistently high quality with a uniformly remoistened surface and no curling effects at all,” continues Daniel Pettersson.

“Also, savings in material costs and production time has been exceptional thanks to the Spray Applicator.”

Excellent performance

“Baldwin Spray Applicator is a reliable system that hasn’t required any maintenance at all since the installation. We are very satisfied and can trust the Spray Applicator from Baldwin to perform excellently, without worrying about any lack in quality of our products,” Daniel Pettersson concludes.

Fast facts

Customer: Ahlström-Munksjö is a global leader in fiber-based materials and manufacturer of advanced paper products in areas ranging from flooring, kitchens and furnishings to release liners, consumer-friendly packaging, medical fiber materials and electro-technical paper.

Challenge: Minimize production downtime due to maintenance of remoistening equipment and increase the end product quality.

Solution: Baldwin Spray applicator for remoistening

Benefits: Saves time – no inspections needed, increased production time, extremely low maintenance, consistent remoistening, saves material costs, continuously high quality with no claims.



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