

# BOBST MANCHESTER NEWS

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markets



# BOBST INTEGRATED AlOx SOLUTION HELPS COVINIL TO ENTER NEW MARKETS



Covinil, a well-established converter based in Spain is the first company to invest in the new BOBST Integrated Solution for the conversion of AlOx high barrier transparent films.

The company already has a mature range of metallized film products in the market; the decision to purchase a new metallizer was due to running out of capacity and also in order to have the latest process innovations to open up new markets. This time, Covinil chose BOBST due to their reputation for leading innovations in the field of vacuum metallization and its process know-how.

The new K5000 2450mm vacuum metallizer Covinil have purchased incorporates all BOBST process innovations available including: DarkNight® for high barrier metallized films, AluBond® for high metal adhesion and AlOx for high barrier transparent films. Naturally the package includes the Hawkeye pinhole detection system as it is an integral part of both the DarkNight® and AlOx processes; Covinil were particularly impressed with the Hawkeye's ability to detect pinholes and other defects for improved barrier properties as well as its accuracy in measuring optical density to improve uniformity.

In addition to the processes included on this machine, Covinil were also impressed with the BOBST Integrated AlOx Conversion know-how and the way the entire process could be demonstrated on their own PET film, resulting in high barrier performance and excellent film transparency. In conjunction with the new K5000 2450mm metallizer from Bobst Manchester, Covinil also purchased an AlOx optimized coating platform from Bobst Italia. As part of this package, Covinil will have access to two innovative topcoat formulations which are applied on a new Bobst Italia coating line to provide protection and enhanced barrier functionality to the AlOx coated PET films. Once the offline topcoat has been applied, films can then be converted further without any significant barrier deterioration using standard equipment (i.e. printing, lamination).

## WHAT OUR CUSTOMER SAYS:

Commenting on the purchase, the Owner of Covinil said "We are experienced in the area of producing metallized films but when we needed to increase capacity, we also wanted to invest in the latest process innovations in order for us to enter new markets, in particular in the area of AlOx coated PET films. BOBST are well known in the industry for their AlOx process but as a converter, we were also interested in its behaviour during conversion processes. However, it was reassuring to see that the barrier properties of our AlOx coated PET films were maintained after the application of a protective topcoat layer, which convinced us to make a further investment in a new specially adapted BOBST Italia coating line. We are confident that the investment in these two new BOBST machines, together with BOBST know-how, will give us a unique competitive advantage in the area of AlOx as the innovators in the industry."

Covinil founded in 1975, started off producing PVC film for candy wrapping, then added CPP film and eventually purchased their own PET film line; films are marketed under the CECRONIL® brand. Covinil can take care of the full manufacturing process including extrusion, metallization, printing and slitting of films for food and non-food applications; having full control over the manufacturing process means better quality and a quicker service. The company is BRC certified and has a strong commitment to develop its business in an environmentally friendly way. An in-house laboratory equipped with measuring and testing equipment enables determination of both physical and chemical film characteristics and includes the latest Barrier measuring equipment.

## MOMENTUM FROM OPEN HOUSE RESULTS IN SALE OF FIRST BOBST K5 EXPERT



**BOBST is excited to announce the sale of the world's first K5 EXPERT, the model which was launched at an Open House at Bobst Manchester last October is the highest productivity metallizer in the world. However, customer details remain strictly confidential due to the strategic nature of this purchase and its intended market use.**

This first K5 EXPERT vacuum metallizer is due to be installed by the end of 2017 and includes innovations such as a High rate source and a 700mm diameter drum. The High rate source provides a higher speed of operation and reduced distance between boats giving better coating uniformity. Unique in the industry, the larger drum improves collection efficiency by 16% which means less aluminium consumption resulting in maximum productivity and therefore production cost savings. The K5 EXPERT has been designed with reliability, serviceability and robustness in mind and includes a wealth of new features to give maximum machine uptime and consistent product quality. Compared with competitor machines, total cost of ownership is reduced by up to 25%.

A key reason behind the decision to purchase from BOBST was the process know-how which is evident throughout the company. The AluBond® and AlOx technologies were in particular of great interest and integral to the decision to purchase the K5 EXPERT. The new AluBond® process is an innovative approach to high metal adhesion that prevents the need for chemically treated films. High bonding strength is achieved on any substrate with this unique metallizing process; metal adhesion values can be achieved of up to 5N/15mm. The well-established AlOx process from BOBST produces vacuum coated clear barrier films which are a potential replacement for existing metallized structures and combines the benefits of a clear barrier coating applied in atmosphere with the additional advantages of a vacuum coated barrier layer.

If you are interested in finding out more about this innovative new metallizer or any of our processes, please contact your usual sales representative or [sales.manchester@bobst.com](mailto:sales.manchester@bobst.com)