

# BOBST MANCHESTER NEWS

ISSUE 15

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# BOBST RELEASE BRAND NEW K5 EXPERT AND AluBond® VIDEO

## FOREWORD

Welcome to the first issue of 2018 of the Bobst Manchester News.

Inside this issue you will find an article about the release of our new animation dedicated to the K5 EXPERT vacuum metallizer and the AluBond® process; this follows on from the success of our first ever animation featuring the K5000 and AlOx process which has proven popular.

You can also find an article about the forthcoming Permeation and Barrier Materials Learnshop which is a result of a new collaboration between BOBST, MOCON and RDM Test Equipment and will be held at Bobst Manchester in May. Rounding off the newsletter is an article about the recent PlastIndia exhibition which was a great success for us.

I hope you enjoy reading this issue and I look forward to seeing you during this year at one of our exhibitions or here at our Competence Centre.



Stephen Carey  
Managing Director  
Bobst Manchester

Following on from our successful K5000 and AlOx animation; we are pleased to release our new animation dedicated to the K5 EXPERT and AluBond®.



*Increased number of rolls per day*

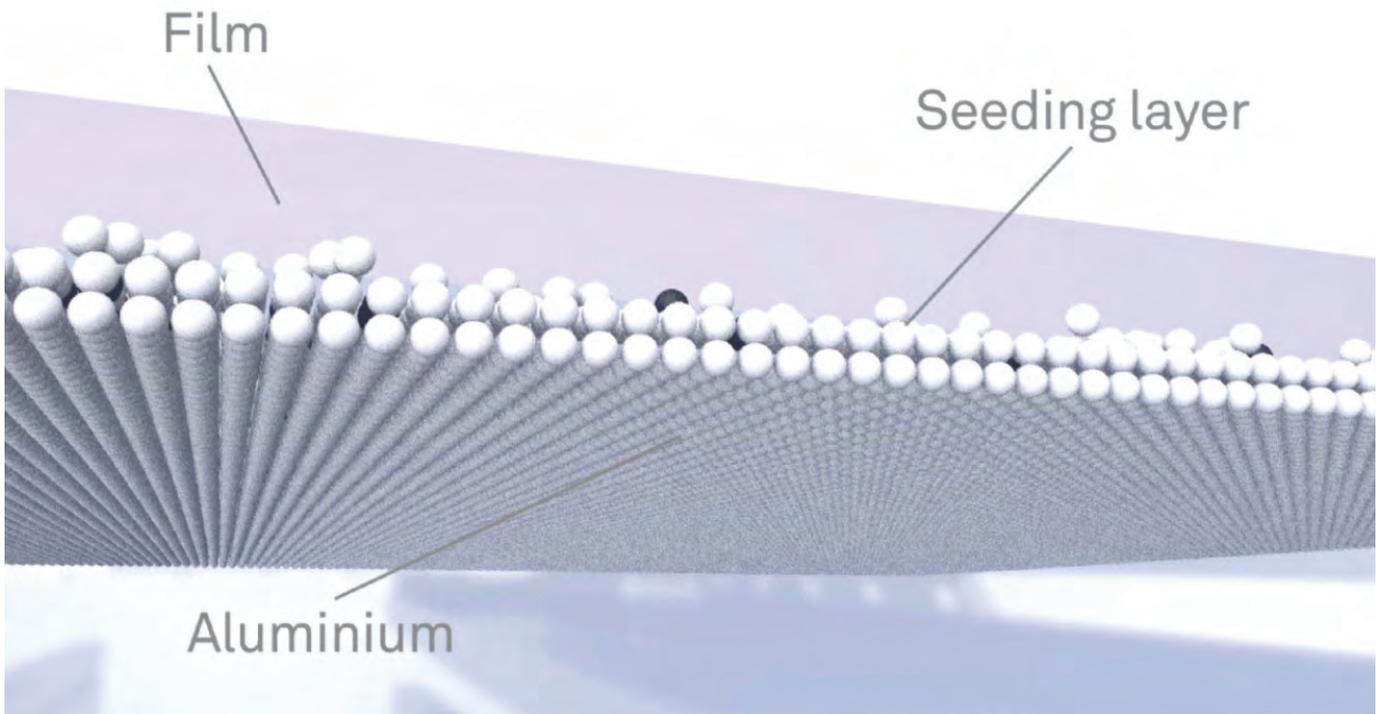
## BOBST K5 EXPERT

The BOBST K5 EXPERT, the next generation of the successful K5000 metallizer, can run at speeds up to 1200m/min, is available in widths from 2450mm to 3650mm and can house increased roll diameters of up to 1270mm to meet new industry trends for improved productivity.

Once again BOBST is setting new standards in vacuum metallization for the packaging industry:

- The K5 EXPERT houses the largest coating drum in the industry, its 700mm diameter coating drum improves collection efficiency by 16%, this means less aluminium consumption and increased boat life resulting in maximum productivity
- It combines a 20% wider coating window with an increased cooling efficiency of 25% as more film will be in contact with the surface of the coating drum
- The Total Cost of Ownership of the K5 EXPERT is reduced by 10-15% compared to an equivalent K5000 metallizer. However TCO can be reduced by up to 25% when compared to competitor metallizers.

The new machine provides significant cost saving innovations to reduce energy consumption, consumables usage and film waste which results in the lowest production costs available in the market.



**BOBST AluBond®**

The BOBST AluBond® process provides high metal adhesion and surface energy levels through vacuum metallization.

Traditional metallization, even with plasma treatment, can result in poor metal to polymer substrate bonding, this produces de-lamination which leads to packaging failure and results in product rejects and loss of reputation. BOBST has developed an innovative approach to address this common issue in the packaging industry through its vacuum metallizers, eliminating the need for chemically treated films.

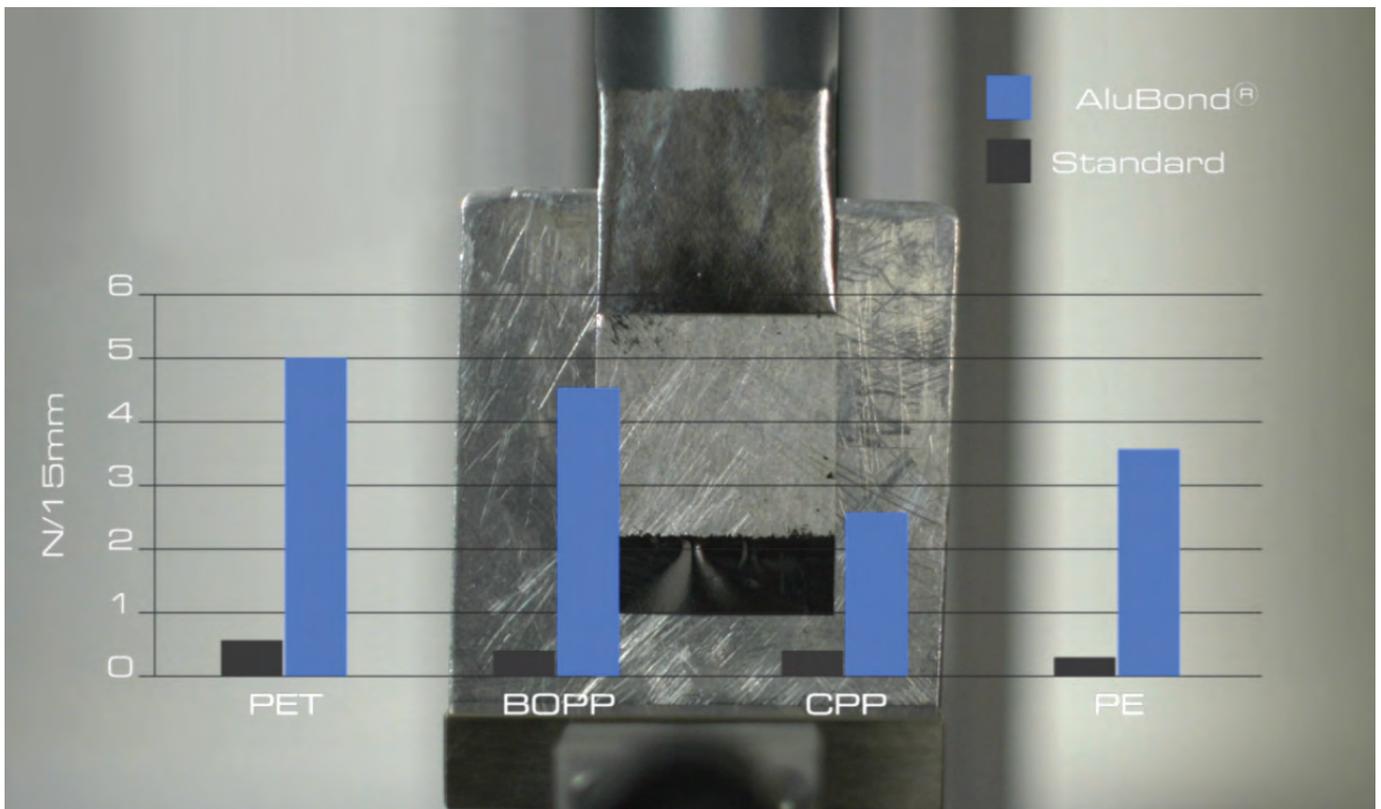
High bonding strength is achieved on any substrate with the BOBST AluBond® unique metallizing process. This is

an advanced metal adhesion technology where metal adhesion values can be achieved of up to 5N/15mm.

In addition BOBST AluBond® has also been shown to significantly increase dyne level retention which translates in improved ink wettability during printing and enhances structure stability during lamination. BOBST AluBond® generates added value by extending surface energy stability on metallized films over a long period of time and may eliminate the need for an additional surface treatment boost i.e. corona refresh prior to converting.

To find out more about this innovative process and to see it taking place inside the BOBST K5 EXPERT, take a look at our animated video

<https://www.youtube.com/watch?v=iS7gzU0Jn8o>





## BOBST, MOCON AND RDM TEST EQUIPMENT TO HOST PERMEATION & BARRIER MATERIALS TECHNICAL LEARNSHOP

BOBST, MOCON and RDM Test Equipment are hosting a technical Learnshop focused on Permeation & Barrier Materials on 16th May at BOBST's Centre of Excellence for High Barrier in Manchester, UK.

The knowledge sharing event is the first step in a new collaboration between the three companies and will focus on permeation properties and application of barrier materials; attendees will find out the latest in barrier material development and market requirements.

The day will consist of technical presentations delivered by speakers including the Fraunhofer Institute, University of Manchester, Amcor and Dr Charles Bishop renowned in the vacuum coating industry as an expert in the field. There will also be a presentation from PepsiCo giving a brand owners perspective on packaging and barrier requirements. Additionally MOCON will present on the subject of the basics of permeation and BOBST on barrier solutions.

There will be opportunities for knowledge exchange and networking with the speakers and other participants as

well as the opportunity to view the latest test equipment which will be on display.

**Phil Neal**, *Director at RDM Test Equipment* commented "The RDM Learnshop series contributes to the ongoing professional development of technical staff involved in the supply, and applications of barrier materials. Both RDM and MOCON are delighted to have partnered with BOBST, and we look forward to an informative and stimulating meeting in May".

**Nick Copeland**, *R&D Director at Bobst Manchester* commented "We are very excited to have signed a collaboration agreement with MOCON and RDM which reinforces BOBST's commitment to offering tailored barrier solutions to the flexible packaging market. We are looking forward to hosting the technical Learnshop here at Bobst Manchester and to welcoming some of our customers to the event".

There are limited places available for the Learnshop; for more information and to register, please visit: <https://www.eventbrite.co.uk/e/permeation-and-barrier-materials-learnshop-tickets-42938189280>

## →UPCOMING EVENTS

CHINAPLAS  
24 - 27 April  
Shanghai, China

PERMEATION AND BARRIER  
MATERIALS LEARNSHOP  
16 May  
Manchester, UK

AIMCAL R2R EUROPE  
4 - 7 June  
Munich, Germany

BIAX FILM VIENNA  
19 - 21 June  
Vienna, Austria

## MOST SUCCESSFUL EVER PLASTINDIA



The 2018 edition of PlastIndia which was held 7th – 12th February was one of the most successful yet for BOBST with over 300 visitors to the stand.

Existing and potential customers who visited the stand and spoke to the sales team learnt about the latest innovations including the new K5 VISION metallizer which is a compact machine ideal for converters and CPP and PE film producers and the BOBST Turnkey ALOx Conversion Solution which enables film producers and converters to produce high barrier transparent film which can withstand the stresses of typical conversion processes.

The event generated a large number of enquiries for vacuum metallizing and we would like to thank our customers for their support.



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