

# **Superior** selective metallization

Flexo printing technology in vacuum



VACUUM METALLIZING

BOBST SelectMet®

# Creating value

**BOBST innovations**  
are driven by customer  
and brand owner needs.

[> READ MORE](#)

## Sustainability

Growing demand in the market for recyclable, reusable and compostable packaging solutions, to work towards a circular economy.

## Barrier solutions

Growing requirement for packaging with high barrier to oxygen and water to extend shelf life. Unique combinations of vacuum and wet coatings for faster time-to-market.

## Expanding reach of added value coating

Barrier enhancement and high precision coating for high quality, high appeal products with extended shelf life to be used in a variety of industries including labels, medical, hygiene, cosmetics and industrial.

## Partnerships to deliver new innovative solutions

Working together to develop, test, refine and certify new products and solutions. Process experts and converters fulfill the desired end product and meet evolving market needs.

## Cost reduction

AluBond® as an enabling technology to higher performance, dyne level, adhesion and barrier at a lower cost.



## SelectMet®

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves  
the right to make  
modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# BOBST Heritage flexo printing technology

BOBST **SelectMet**<sup>®</sup> is a simpler and more cost-effective alternative to the traditional de-metallization process without the complexity of using special lacquers and chemical baths.

The process provides faster, more accurate printing with metal onto film substrates and allows for the production of creative, high resolution patterns and greyscale images. BOBST **SelectMet**<sup>®</sup> runs at speeds of up to 400m/min on the K4000 vacuum metallizer platform. The specially adapted flexo printing unit is located inside the vacuum chamber. The print head position can be moved forward or back allowing both selective and full width metallization without compromise.



Simple and cost effective

## SelectMet<sup>®</sup>

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

REQUEST  
CONSULTING

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves  
the right to make  
modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# No heaters, no boilers, no mess

Special printing oil is applied to the web in a very thin layer to produce the desired pattern. Low volume Anilox cells ensure minimum oil consumption down to less than 0.5g/m<sup>2</sup>. The polished Anilox roller combined with the high precision Carbon Fibre Doctor Blade allows more efficient and accurate oil metering.

With the unique BOBST system, oil is loaded at room temperature through an external oil bath, which results in a much cleaner process. The location of the bath means additional oil can be added during production to save time and to enable longer runs.

## SelectMet®

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect



75% reduction  
in oil consumption

75% faster  
changeover

100% speed  
improvement

REQUEST  
CONSULTING

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves  
the right to make  
modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# Quick and easy sleeve change

BOBST **SelectMet**<sup>®</sup> allows quick and easy change of the printing sleeve. The printing unit retracts and aligns with the viewing port located on the side of the machine, which gives easy access to the printing roller through the porthole window. The sleeve is made out of a one piece laser-engraved photopolymer tube which is easily loaded onto the printing roller with the aid of the air flotation system. The quick release bearing house allows printing sleeve change in less than 10 minutes.



## SelectMet<sup>®</sup>

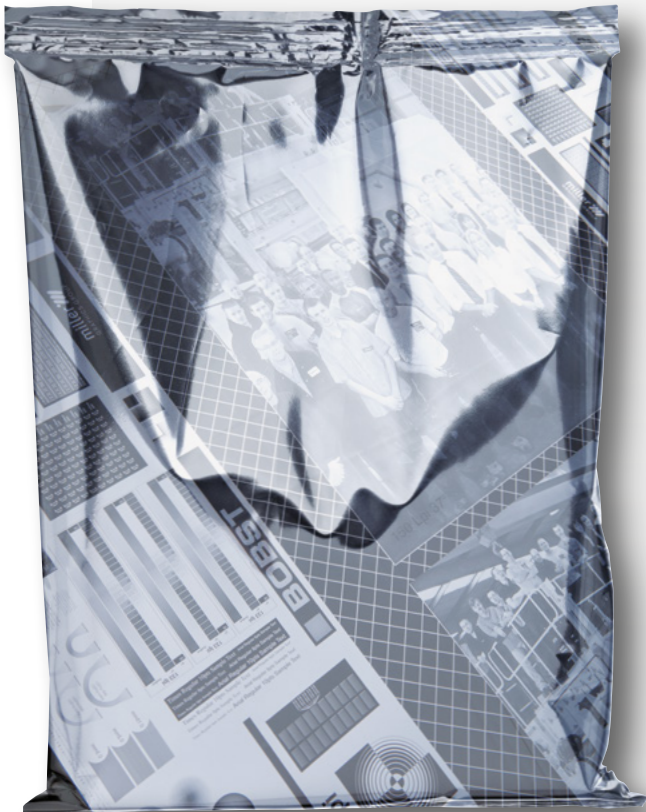
- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

REQUEST  
CONSULTING

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves  
the right to make  
modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# Flexibility and versatility



BOBST **SelectMet**<sup>®</sup> is a flexible and versatile oil printing process system that provides a wide range of added-value applications for specialist converters. A low cost alternative to the traditional De-metallization process; BOBST **SelectMet**<sup>®</sup> incorporates an interchangeable bridge adaptor which allows the use of different diameter printing sleeves.

### K4000 SelectMet<sup>®</sup>

Max. web width	1250 mm	1650 mm
Max. line speed	840 m/min	840 m/min
Max. SelectMet <sup>®</sup> coating speed	400 m/min	400 m/min
Max. roll diameter	1000 mm	1000 mm
Max. non-metallized area over total coating width	40%	40%
Max. printing width	970 mm	1370 mm
Printing sleeve diameter	138 - 205 mm	138 - 205 mm

### SelectMet<sup>®</sup>

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves  
the right to make  
modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# Innovative decorative packaging films

## In-register selective metallization onto pre-printed webs

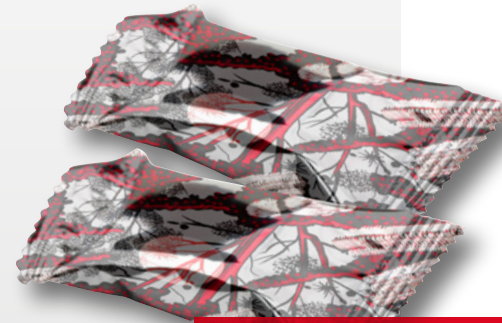
Pre-printed film is used as a base for selective metallization resulting in complex patterns incorporating both coloured and metallized areas. The metal layer enhances colour brightness and provides barrier functionality.

## Stripe Metallization

Stripe metallization leaves a window of un-metallized film that allows product visibility and evokes desire towards an impulse purchase.

## Anti-counterfeiting applications

BOBST **SelectMet®** also enables production of high resolution selective metallization used in security threads and holographic foils that offer custom protection against counterfeiting in banknotes and other security applications. Also available is an optional ZnS source for production of decorative holographic films.



In-register selective metallization



Anti-counterfeiting applications

## SelectMet®

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

REQUEST CONSULTING

Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves the right to make modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# Maintaining excellence

Expert services for all your equipment.  
Improve your processes, boost your productivity and enhance your expertise with a complete range of services from BOBST.



## Maintain your Investment

- Scheduled maintenance with BOBST certified technicians
- Preventative intervention, maximizing machine uptime
- Optimum performance over the equipment lifetime

[> WATCH VIDEO](#)

## Approved parts and logistics

- BOBST Original and Certified parts, and consumables
- Quality assurance, and extended maintenance intervals
- Worldwide distribution, and full availability where and when you need it

[> LEARN MORE](#)

## Machine upgrades

- Additional features, configured for your machine
- Enhanced functionality, connectivity and capability
- Future-proofing your investment, maintaining competitive advantage

[> LEARN MORE](#)

## SelectMet®

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves the right to make modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022

# Digital age manufacturing happening with BOBST Connect

BOBST Connect is an end-to-end, user-centric digital platform that enhances and increases your packaging productivity. It's designed to help you make the most of the data your machine generates, improving efficiency across your value chain.

As well as exceptional data insights, BOBST Connect helps to orchestrate and improve your whole production process, from your PDF to the finished product and quality report. It brings data and digital services together in one fully connected platform, with machine insights and expertise built in.

All of this is available to you as part of BOBST Connect Essential, the first subscription level that you receive when you purchase a new BOBST machine.



## Performance analysis

- Production insights, including interaction of OEE components
- Identify and eliminate performance gaps

## Accurate reporting

- Meaningful insights on OEE and downtime
- Accurately measure target speed and quality losses
- Trend analysis over time

## Progress indicator

- Highlights extensive production deviations
- Empowers timely interventions

## Remote assistance

- Priority access to technical specialists
- Video with Augmented Reality expert support based on real-time data
- Available 24/7 (optional)

## Shift management

- Optimize planning time
- Deliver overall resource efficiency

## SelectMet®

- > Packaging market
- > At a glance
- > Process know-how
- > Specifications
- > Benefits and features
- > Services
  - > General services
  - > BOBST Connect

[REQUEST SERVICE INFORMATION](#)

 Print responsibly

Data is not binding.  
Non-contractual pictures.  
The manufacturer reserves the right to make modifications without notice.  
© BOBST SA 2022  
BUPC-SM-EN-102022