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**SHIFT 23**  
LABELS & PACKAGING CONFERENCE

**BOBST**  
Shaping the future of the packaging world

**PUBLIC**

**BOBST**





**Where is BOBST?**



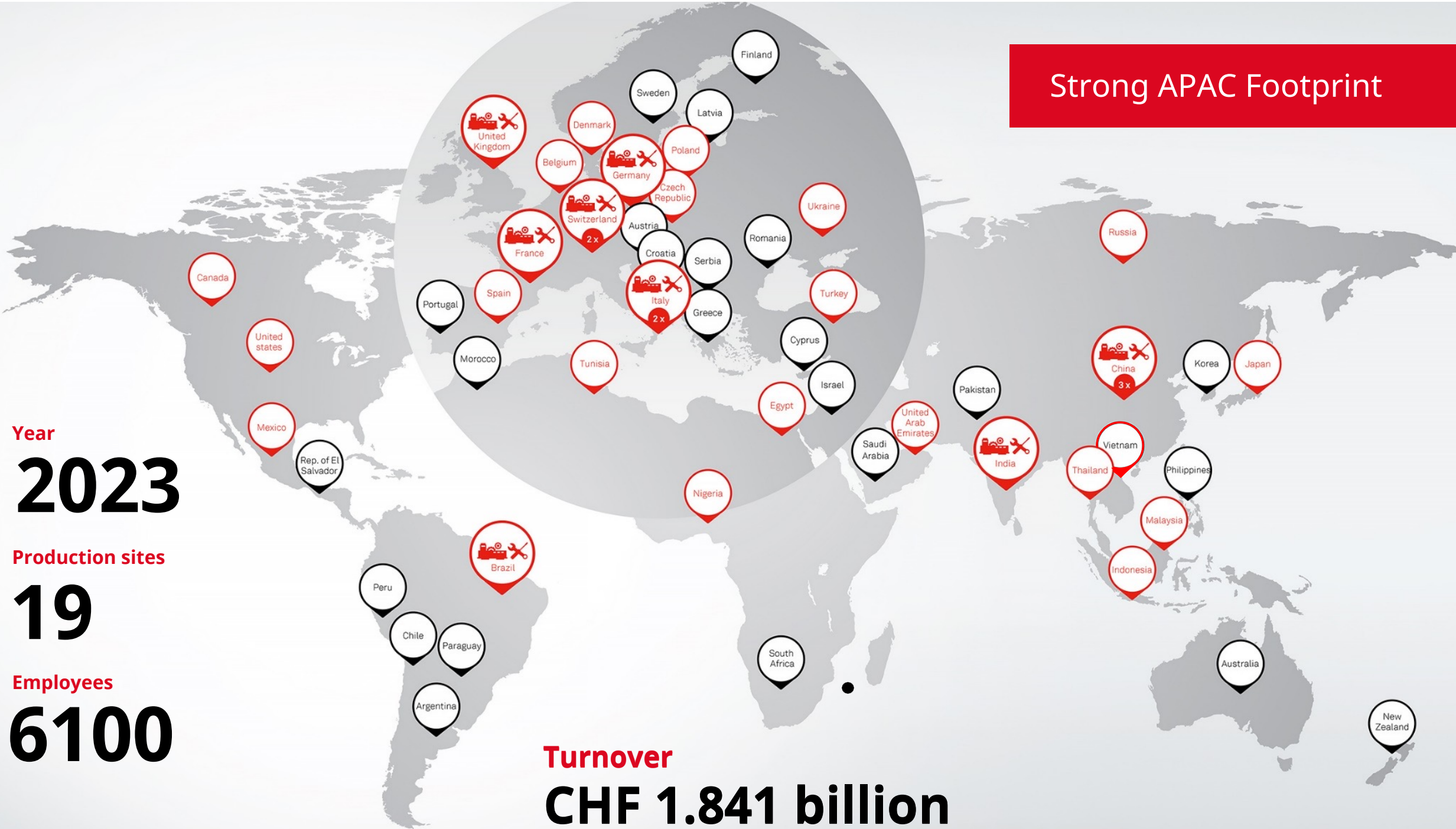
Strong APAC Footprint

Year  
**2023**

Production sites  
**19**

Employees  
**6100**

Turnover  
**CHF 1.841 billion**



# **BOBST – Shaping the future – of the packaging world**

**1. Connectivity – BOBST Vision**

**2. OneBARRIER**

**3. Machine Innovation**

**Press developments**

**Sustainable Concepts**

are you  
ready?

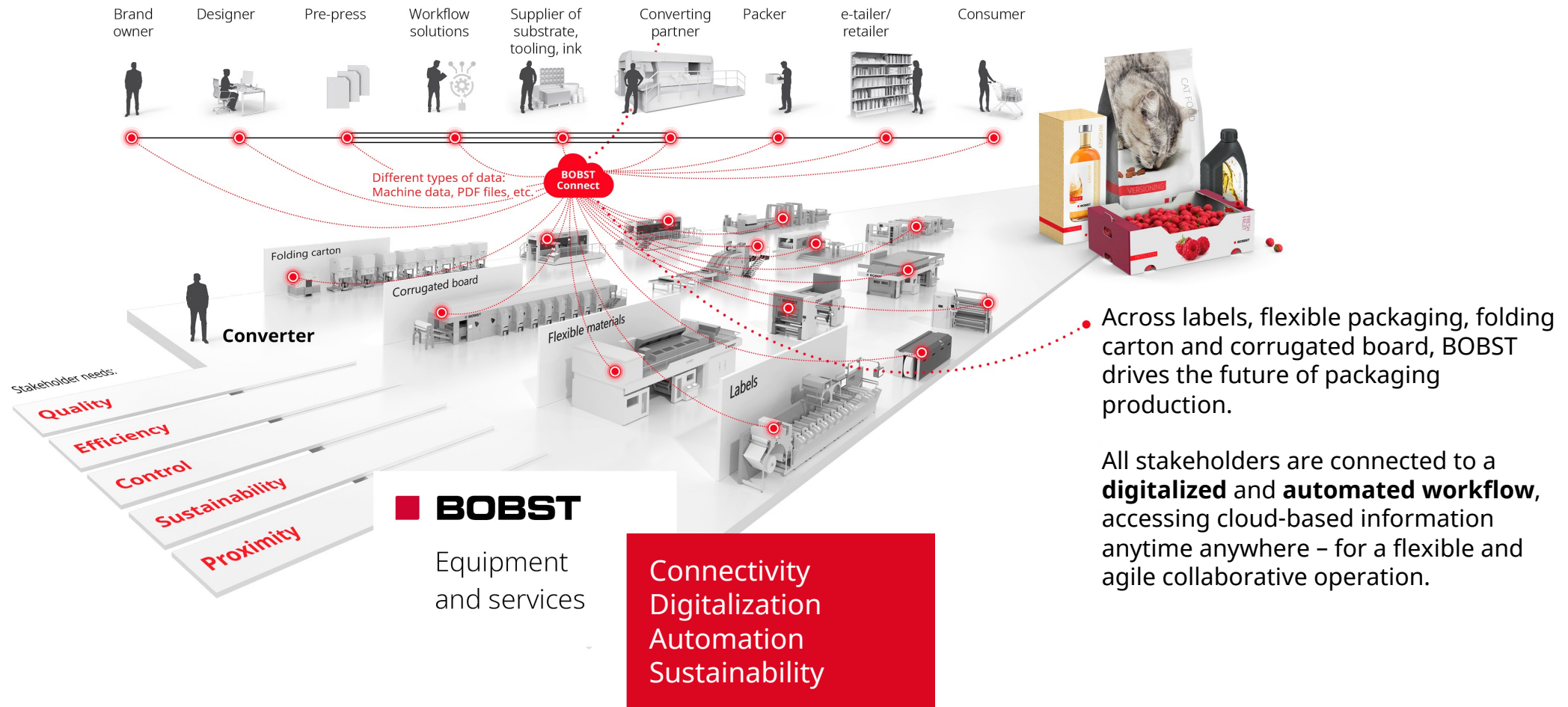


# 1. Connectivity

**BOBST Vision**  
**BOBST Connect**

# BOBST Vision - BOBST Connect

## Shaping the future of the packaging world







# 2. oneBARRIER

**an alternative to non-recyclable  
film and fiber materials**



# OneBARRIER solutions for all

1

OneBARRIER PrimeCycle

2

OneBARRIER FiberCycle



# BOBST oneBARRIER Family

Targeting the pillars of sustainable flexible packaging

1

OneBARRIER  
PrimeCycle

Mono



## Mono-material polyolefin (PP/PE)

- CEFLEX D4ACE guidelines
- PP/PE: > 90%
- Compatible with current mechanical recycling

oneBARRIER

PrimeCycle

2

OneBARRIER  
FiberCyclec

Paper



## Paper/fibre-based

- Compatible with paper recycling stream

oneBARRIER

FibreCycle



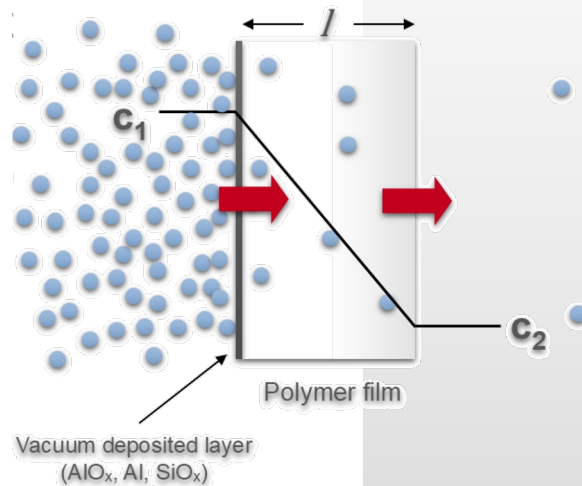
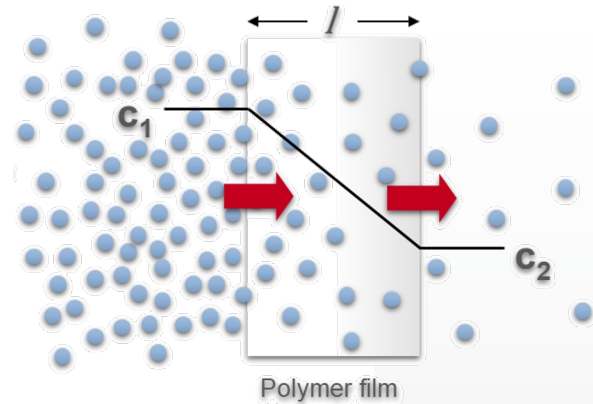
oneBARRIER Family





# The common targets

## High barrier application



### High barrier target:

#### Met PET replacement

- $\text{OTR}^* \leq 1 \text{ cm}^3/(\text{m}^2 \text{ d})$
- $\text{WVTR}^{**} \leq 1 \text{ g}/(\text{m}^2 \text{ d})$



### Ultra-high barrier target:

#### Al foil replacement

- $\text{OTR}^* \leq 0.1 \text{ cm}^3/(\text{m}^2 \text{ d})$
- $\text{WVTR}^{**} \leq 0.1 \text{ g}/(\text{m}^2 \text{ d})$



\*OTR 23 °C, 50 % RH

\*\*WVTR 37.8 °C, 90 % RH

# oneBARRIER PrimeCycle

## Mono Material PE - Process overview

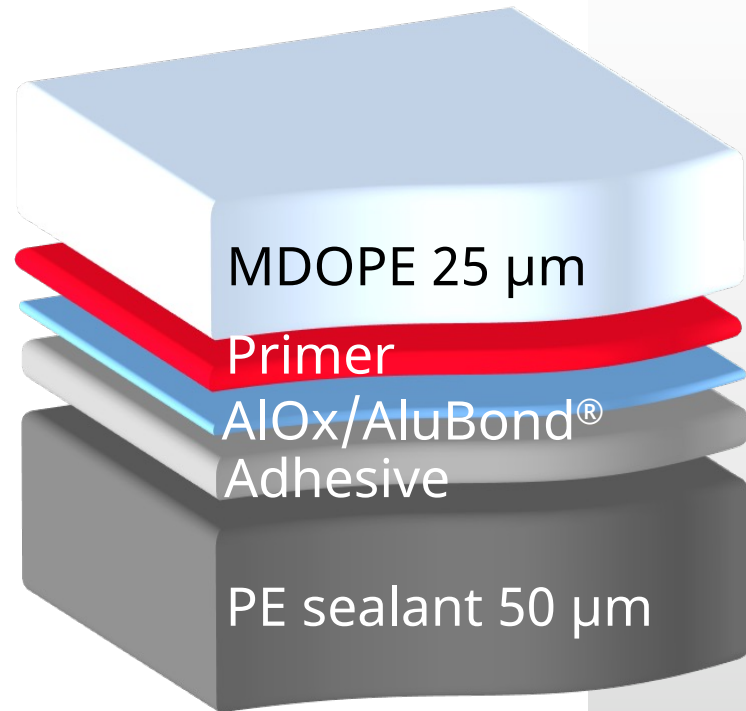
Film production

Primer coating

Vacuum coating

Lamination

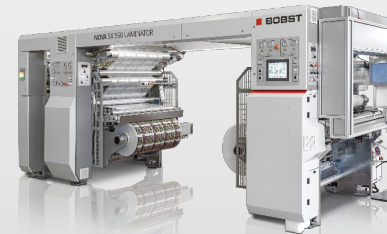
Surface printing



Coating line VISION D 850



Vacuum coater  
EXPERT K5



Laminator NOVA SX 550



# oneBARRIER FibreCycle

## Process overview

Paper

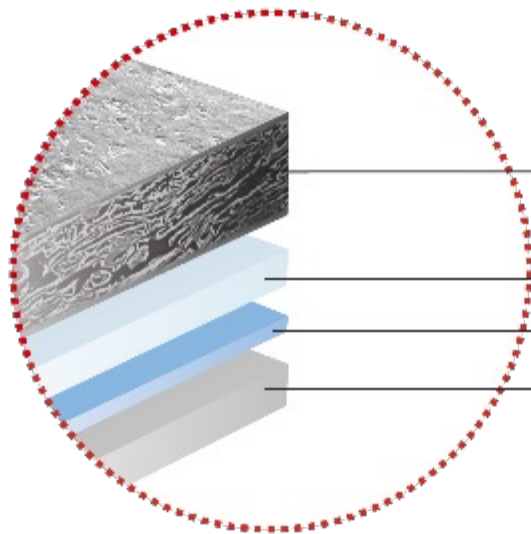
Primer-coating

Vacuum coating

Top-coating

Surface printing

Outside package



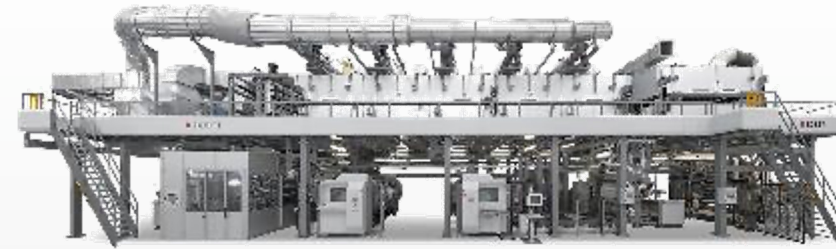
**PAPER**

Primer

AlOx/AluBond

Top-coat

Inside package



**LEONARDO**



**EXPERT K5**

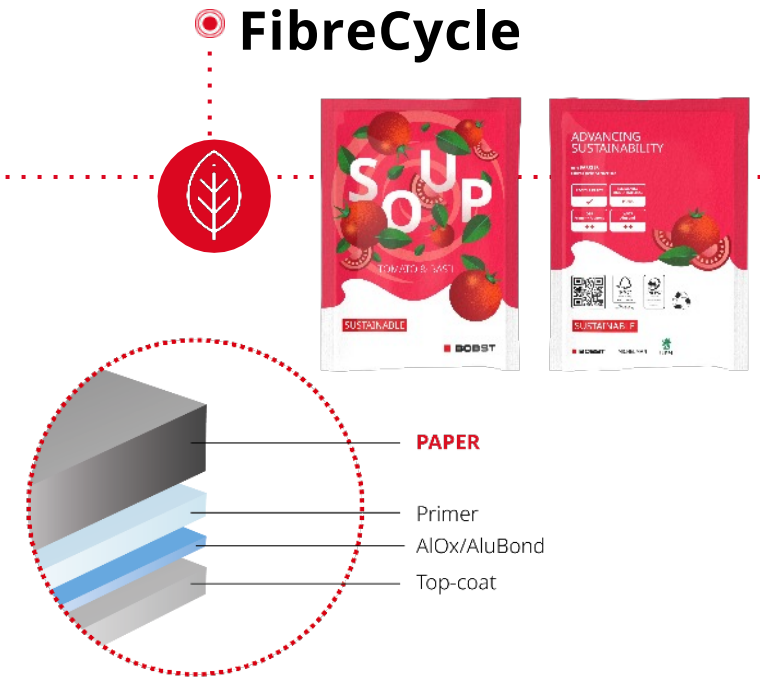
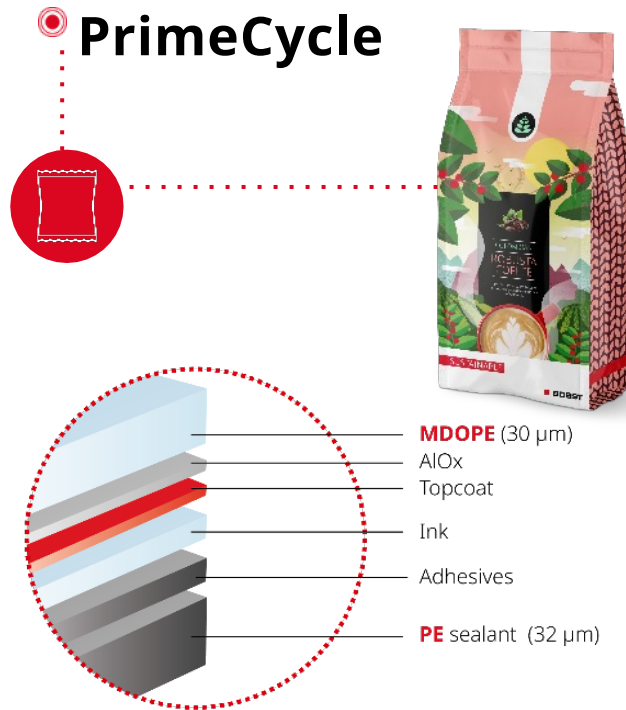


**LEONARDO**

# Mono-material solutions: oneBARRIER

## Polymer & paper-based applications

- Mono-material solutions
- Recyclable certified solutions
- Extensive partner network



SOME PARTNERS







# 3. Machine Innovation

Press Developments

Sustainable Concepts

Folding Cartons - Accuregister  
Labels - Sustainable Concepts



Machine Innovation  
Sustainability Concepts

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# -Folding Carton Accuregister

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# ACCUREGISTER

100% accuracy

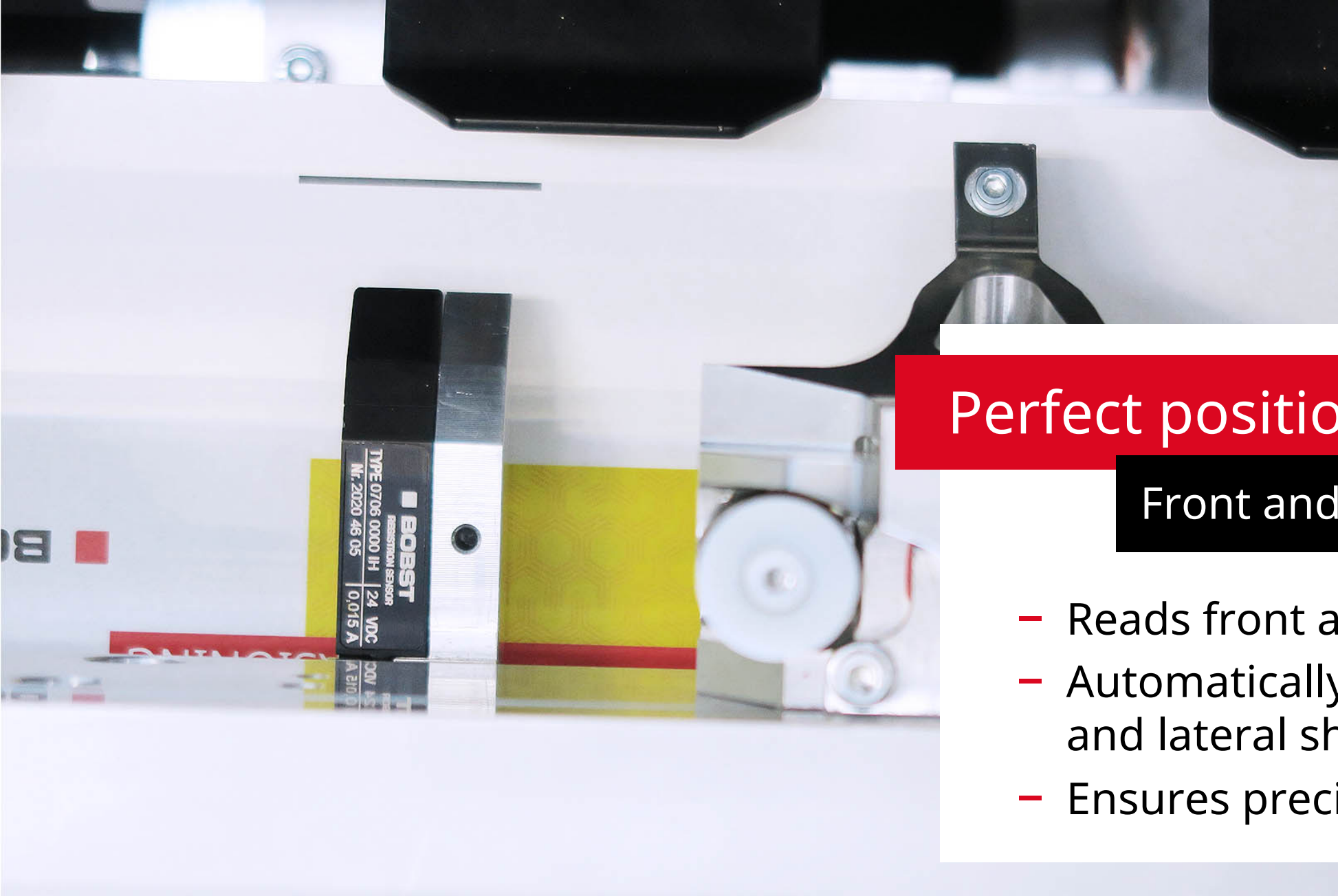


**Zero-fault**  
blank quality



Extreme  
**precision**





## Perfect positioning

### Front and lateral correction

- Reads front and side marks
- Automatically corrects front and lateral sheet position
- Ensures precise die-cutting



## Great versatility

### Precision for all substrates

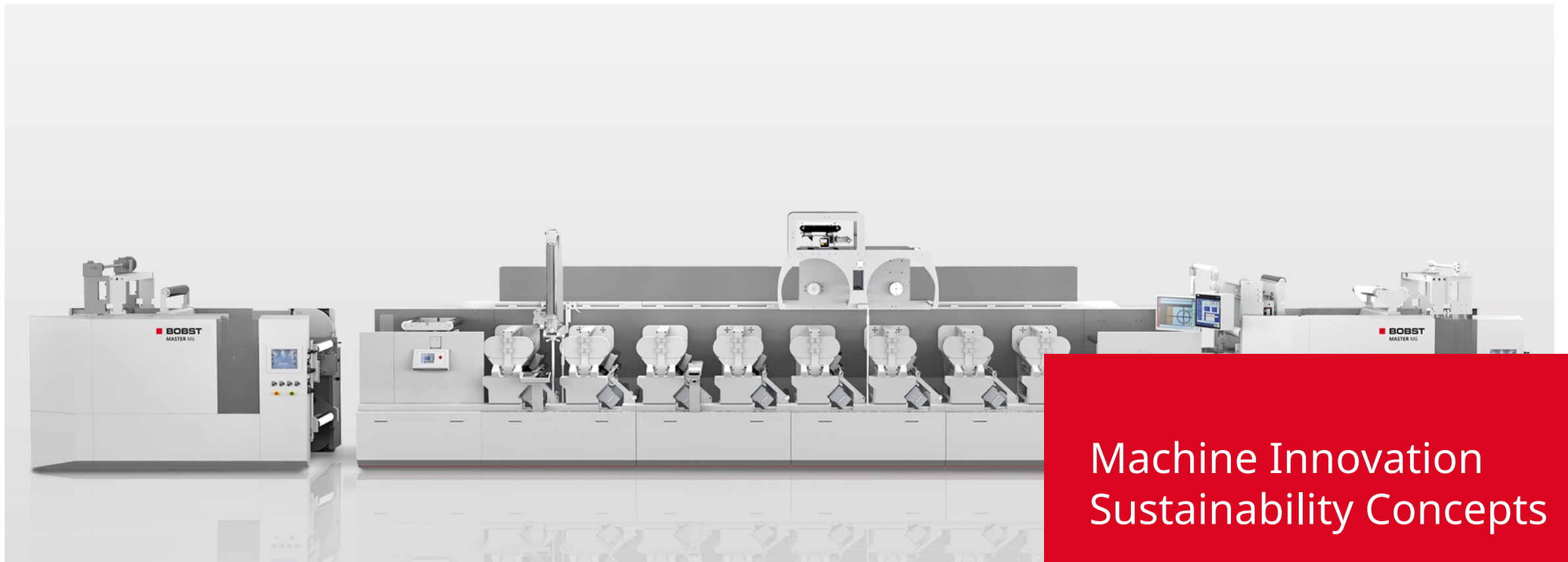
- Reading of printed register marks on all substrates
- Can also handle transparent materials



**Zero-fault  
blank quality**







Machine Innovation  
Sustainability Concepts

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# - Labels

**Machine Innovation  
Sustainability Concepts**

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# Sustainability Concepts

## focus areas for Labels



### BOBST operations

- Water saving
- Logistics
- Recycling
- Green energy
- Remote Service



### BOBST equipment

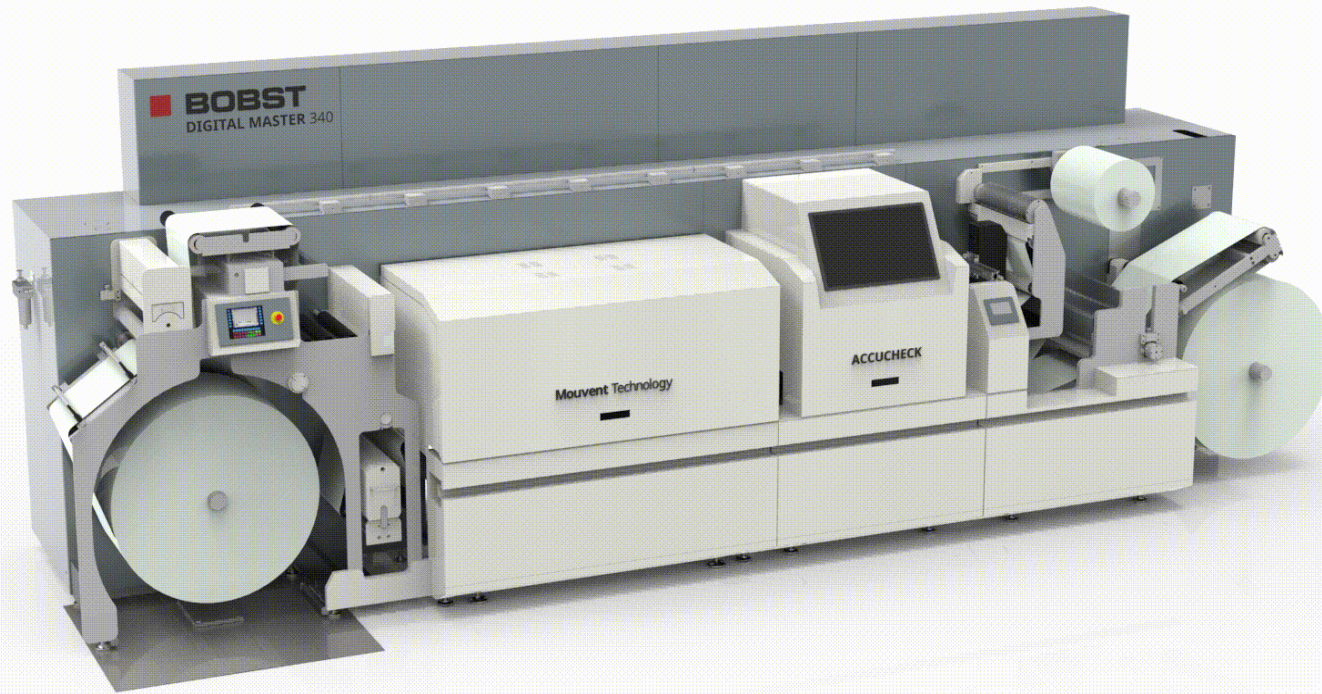
- Upgradability
- oneECG
- Digi-Flexo
- Quality control
- Energy-efficient



### Packaging use & end-of-life

- oneBarrier
- AD LinrSave®
- Regulatory compliance

# - Upgradability as part of our sustainability strategy



Extends **useful life** of product



Reduced **waste & manufacturing impact**



Adaptative to **changing market trends**



# Sustainability impact of BOBST oneECG vs Spot Color Digiflexo

3 jobs – 4 Pantone / job – 8 hours shift

**2x**

productivity

**85%**

substrate waste  
saving

**90%**

make-ready  
time saving

**-67%**

energy consumed

**5kg**

returned  
ink to stock





**ACCUCHECK** delivers  
a cut in production waste  
to improve sustainability

**Recognizes errors**  
when they occur

**100% quality**  
**inspection**

Reduce **waste** &  
expensive **reprints**



# LED UV Ink Curing to improve sustainability

**0**

mercury &  
Ozone

**50%**

lower electricity  
consumption

**20x**

higher life-span

**NO**

warm-up &  
cool down

**Low**

Heat radiation

\*Based on GEW analysis & technical data sheet

# Summary

**BOBST**

**Committed** to the packaging world

**BOBST**

have a clearly defined **Vision**

**BOBST**

believe in the value of **Connectivity**

**BOBST**

**Committed** to developing packaging solutions for a circular economy

**BOBST**

**Committed** to press developments in line with sustainable concepts

**BOBST**

**Shaping** the **future** of the **packaging world**

are you  
ready?





**The future starts  
here**

**Will you join us?**