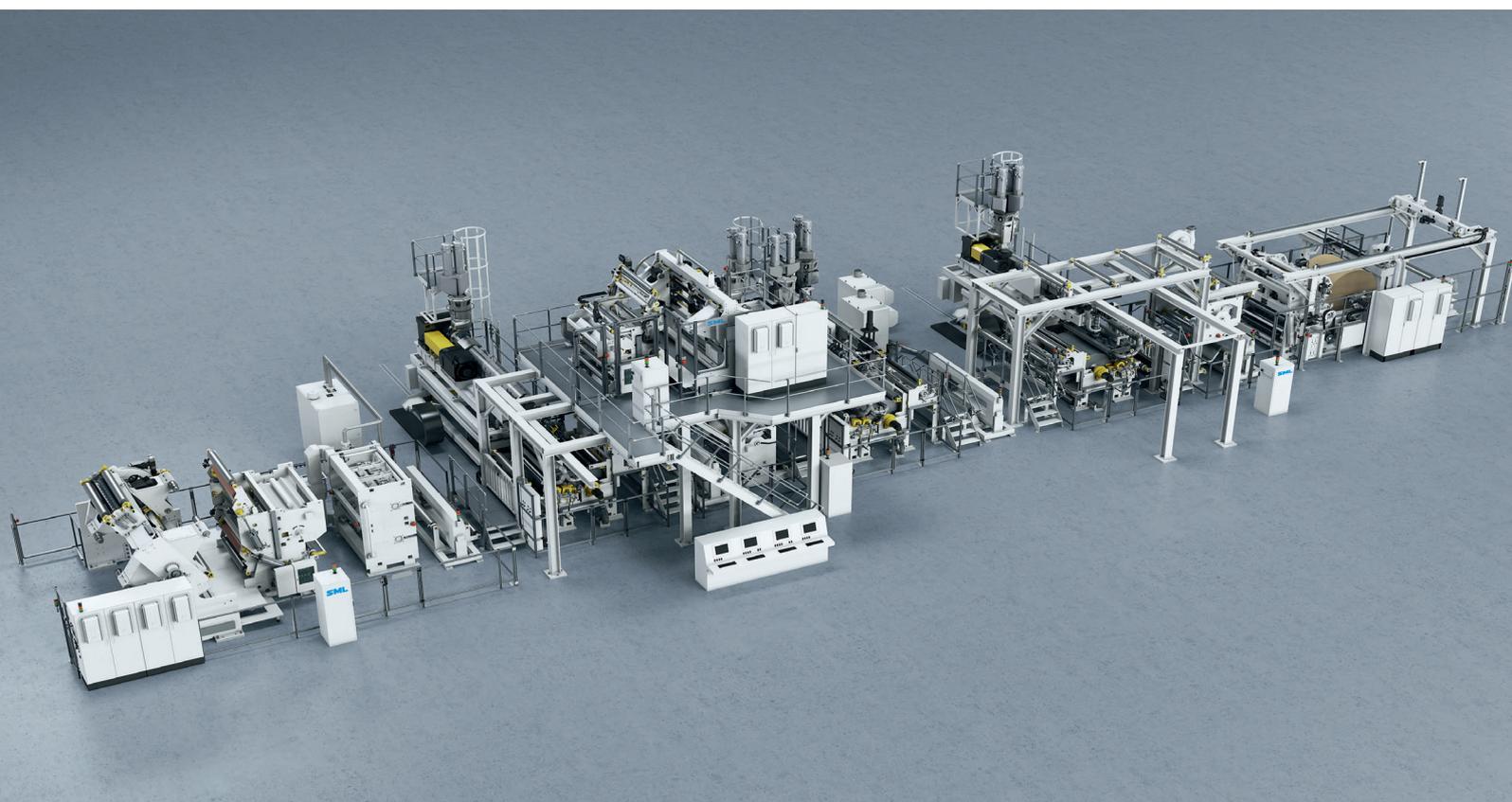


SML

EXTRUSION LINES – ENGINEERED TO PERFORM ▶



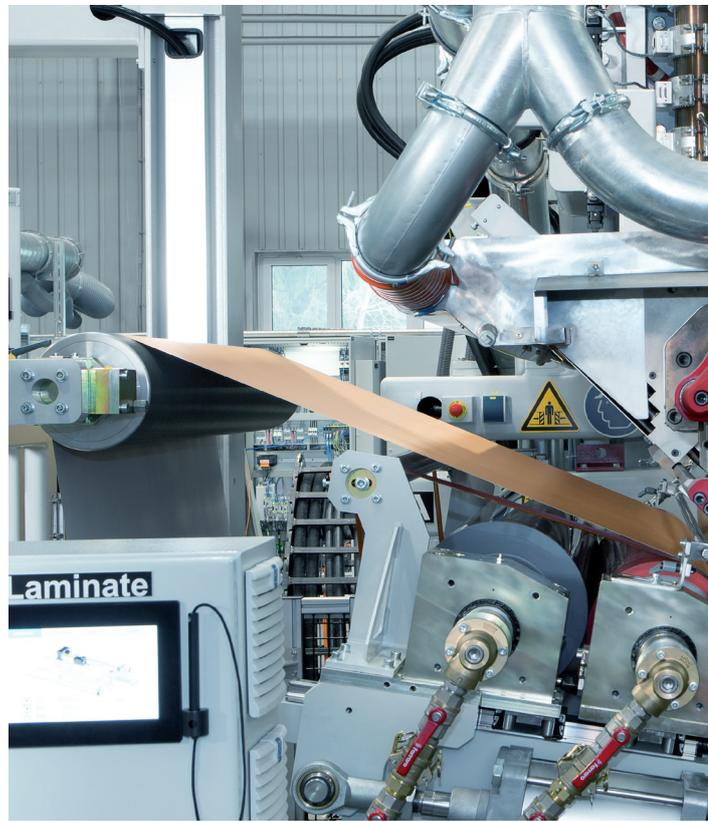
Triplex

EXTRUSION LAMINATING LINE
FOR ASEPTIC PACKAGING

Purpose of the line

Packaging for beverages extracted from natural food sources such as fruit juice present a particular challenge in the engineering of systems and processes.

SML's triplex extrusion lamination lines can be used to manufacture complex composite carton/aluminium packaging in one simple and cost-effective process.



Products	Aseptic board packaging
Product width	700 - 1,350mm
Typical lamination weight	15 - 25 g/sqm
Typical inside weight	20 - 40 g/sqm
Typical decor weight	12 - 25 g/sqm
Total product weight	150 - 400 g/sqm

Max. line speed	400 m/min
Roller width	1,500mm
Line design	LID (Laminate/Inside/Decor)

Unwinding unit #1 (Board)

- Fully automatic turret unwind with shaftless operation, bi-directional unwinding
- Maximum reel diameter 1,600mm
- Maximum load 3,500kg, in-floor reel loading trolley

Corona #1

- For treating paper from unwind #1
- Single-sided treatment

Flame treatment

- For treating board from unwind #1
- Treatment on both sides

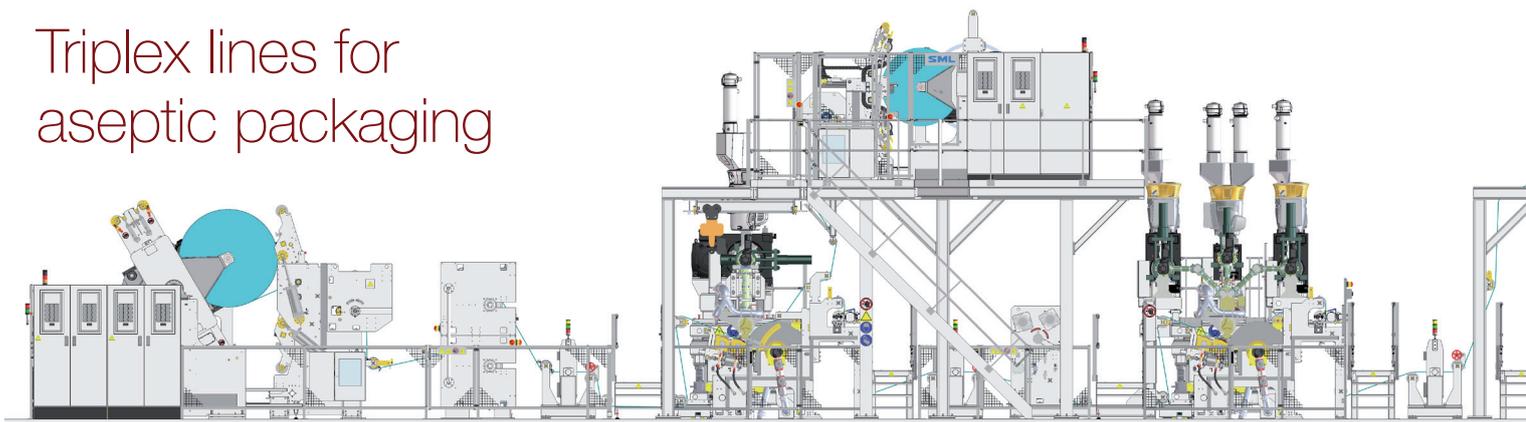
Unwinding unit #2

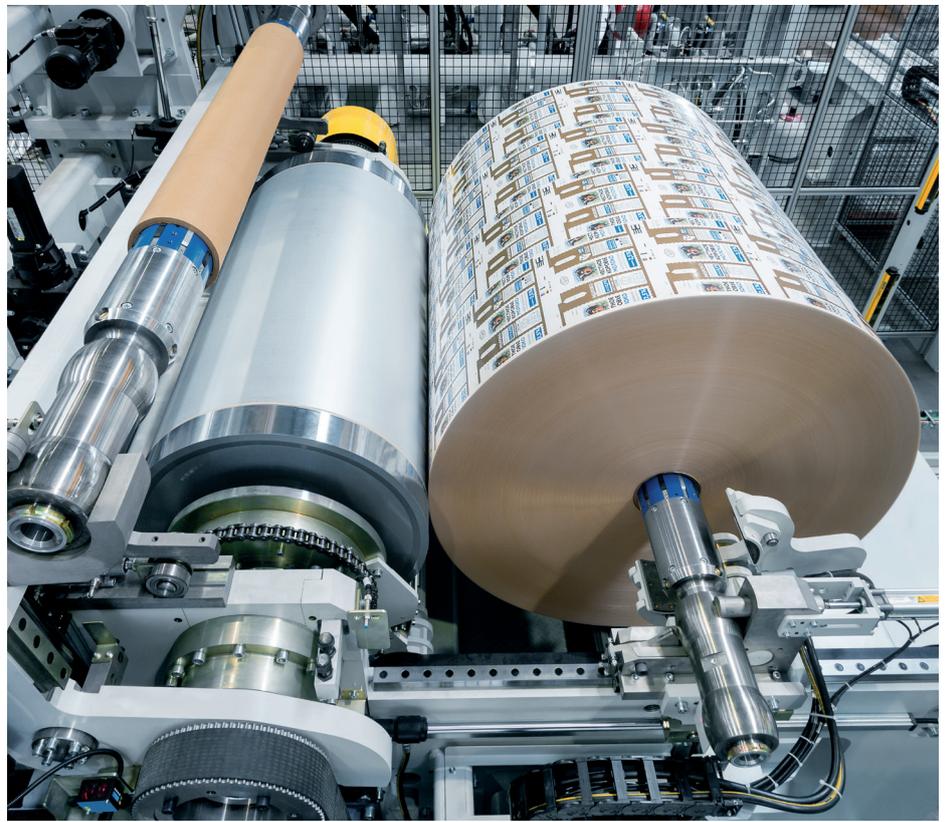
- Fully automatic turret unwind with shaftless operation for bi-directional winding
- Maximum reel diameter 1,270mm
- Maximum load 2,000kg
- Crane system for reel loading

Corona #2

- For treating aluminium foil from unwind #2
- Single-sided treatment

Triplex lines for aseptic packaging





Station #1 (Laminate)

- Batch dosing system
- Extruder 135/33, max. 750 kg/h
- Hydraulic melt filter and motorised melt pressure valve
- Automatic Cloeren EBR V die with internal and external decking
- 3-roll laminator with chill roll diameter 1,000mm

Corona #3

- For treatment of material upstream of laminator #2
- Single-sided treatment

Station #2 (Inside)

- Batch dosing system
- Extruder 90/33, max. 400 kg/h
- Extruder 90/33, max. 400 kg/h
- Extruder 75/33, max. 250 kg/h
- Hydraulic melt filter and motorised melt pressure valve
- 3-layer feedblock with variable geometry
- Automatic Cloeren EBR V die with internal and external decking
- 3-roll laminator with chill roll diameter 1,000mm

Corona #4

- For treatment of paper upstream of laminator
- Single-sided treatment

Station #3 (Decor)

- Batch dosing system
- Extruder 105/33, max. 500 kg/h
- Hydraulic melt filter and motorised melt pressure valve
- Automatic Cloeren EBR V die with internal and external decking
- 3-roll laminator with chill roll diameter 1,000mm

Edge trimming

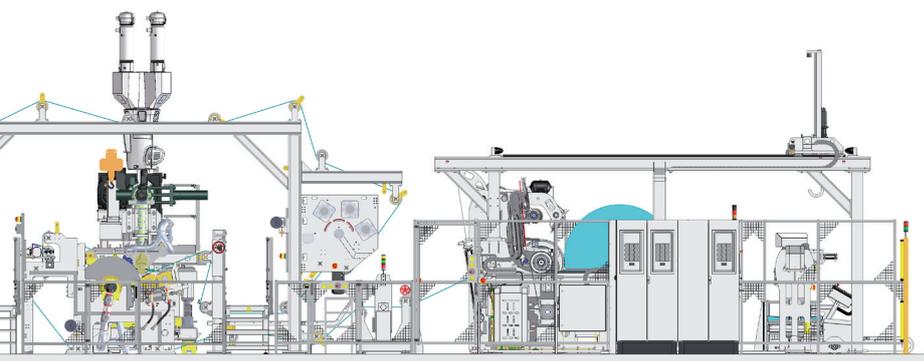
- 3-shear cut systems with driven counterknife for trimming both side edges

Thickness measuring system

- 4-frame system with Kr85 sensor working in differential measuring mode

Winding unit

- Fully automatic drum winder W1800
- Unidirectional winding
- Maximum winding diameter 1,800mm
- Maximum load 4,000kg
- Handling system for winding shafts and reels



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EXTRUSION LINES – ENGINEERED TO PERFORM ►

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