

# ► Extrusion coating & laminating lines

**SML**  
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

## ► *Triplex*

Aseptic packaging



**EXTRUSION LINES –**  
Engineered to perform

# Precise interaction for the highest quality

SML's Triplex coating and laminating line is designed to manufacture complex composite carton packaging in one simple and cost-effective process. It is based on robust mechanical engineering and precise machine control. The Triplex line excels at handling both thin paper and rigid paperboard with equally high quality results.

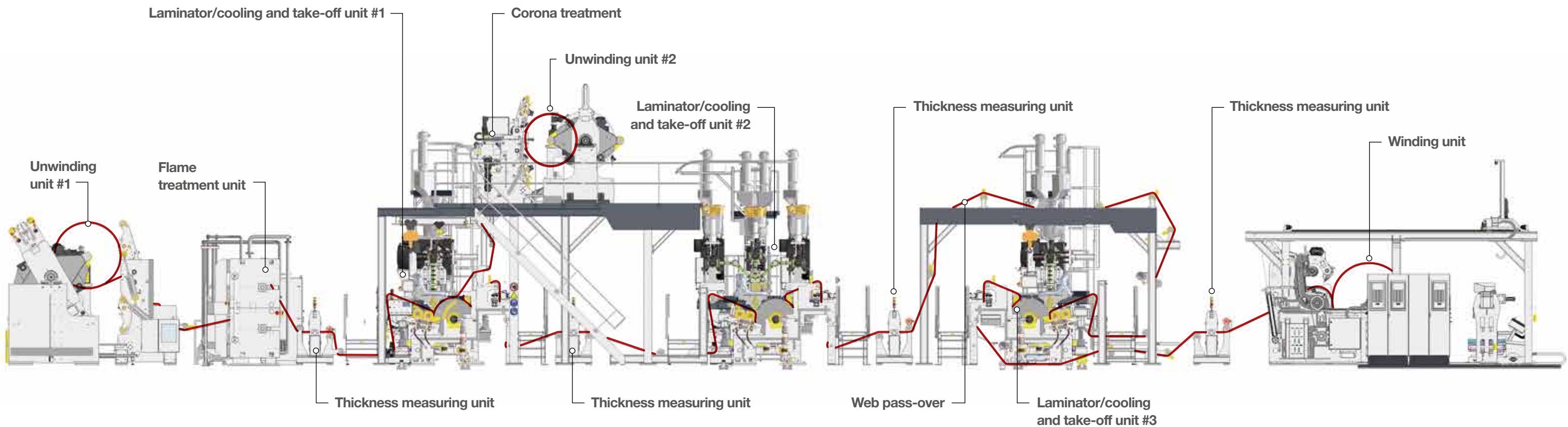
## ► KEY FEATURES

- Good accessibility
- High-quality components
- Best cost-performance ratio
- Easy operation

## TECHNICAL DETAILS

Products	Aseptic board packaging	
Product width	700–1,350 mm	850–1,650 mm
Roller width	1,500 mm	1,800 mm
Line design	LID (Laminate/Inside/Decor)	
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, higher line speeds on request	





## UNWINDING UNIT #1 (BOARD)

- ▶ Fully automatic turret unwind with shaftless operation, bi-directional unwinding
- ▶ Maximum reel diameter 1,600 mm
- ▶ Maximum reel 3,500 kg, in-floor reel loading trolley
- ▶ Optional: Butt splice unwind from subsupplier

## UNWINDING UNIT #2

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

## FLAME TREATMENT

- ▶ For treating board from unwinder #1
- ▶ Treatment on both sides

## CORONA

- ▶ For treating aluminium foil from unwinder #2
- ▶ Single-sided treatment

## STATION #1 (LAMINATE)

- ▶ Batch dosing system
- ▶ Extruder Ø 135/33 LD (co-extrusion optional)
- ▶ Melt filter and a motorised melt pressure valve
- ▶ Automatic Cloeren EBR die with internal and external deckling
- ▶ 3-roll laminator with a chill roll diameter of 1,000 mm

## STATION #2 (INSIDE)

- ▶ Batch dosing system
- ▶ Extruder Ø 90/33 LD
- ▶ Extruder Ø 90/33 LD
- ▶ Extruder Ø 75/33 LD
- ▶ Melt filter and motorised melt pressure valve
- ▶ 3-layer feedblock with a variable geometry
- ▶ Automatic Cloeren EBR die with internal and external deckling
- ▶ 3-roll laminator with a chill roll diameter of 1,000 mm

## STATION #3 (DECOR)

- ▶ Batch dosing system
- ▶ Extruder Ø 105/33 LD
- ▶ Melt filter and motorised melt pressure valve
- ▶ Automatic Cloeren EBR die with internal and external deckling
- ▶ 3-roll laminator with a chill roll diameter of 1,000 mm

## EDGE TRIMMING

- ▶ Shear-cut systems with a driven counterknife for trimming both side edges

## WINDING UNIT

- ▶ Maximum load 4,000 kg
- ▶ Roll and shaft handling system



## THICKNESS MEASURING SYSTEM

- ▶ 4-frame system with a Kr85 sensor operating in differential measuring mode
- ▶ Optional IR measurement for the detection of single layers

► For more information  
about  
**EXTRUSION COATING &  
LAMINATING LINES**  
follow the link



Engineered to perform.

## **SML – the leading manufacturer of high-end extrusion lines**

- ▶ Cast film lines
- ▶ Sheet lines
- ▶ Coating and laminating lines
- ▶ Spinning lines
- ▶ Winding technology

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