

# ▶ Extrusion coating & laminating lines

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

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## ▶ *Triplex*

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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



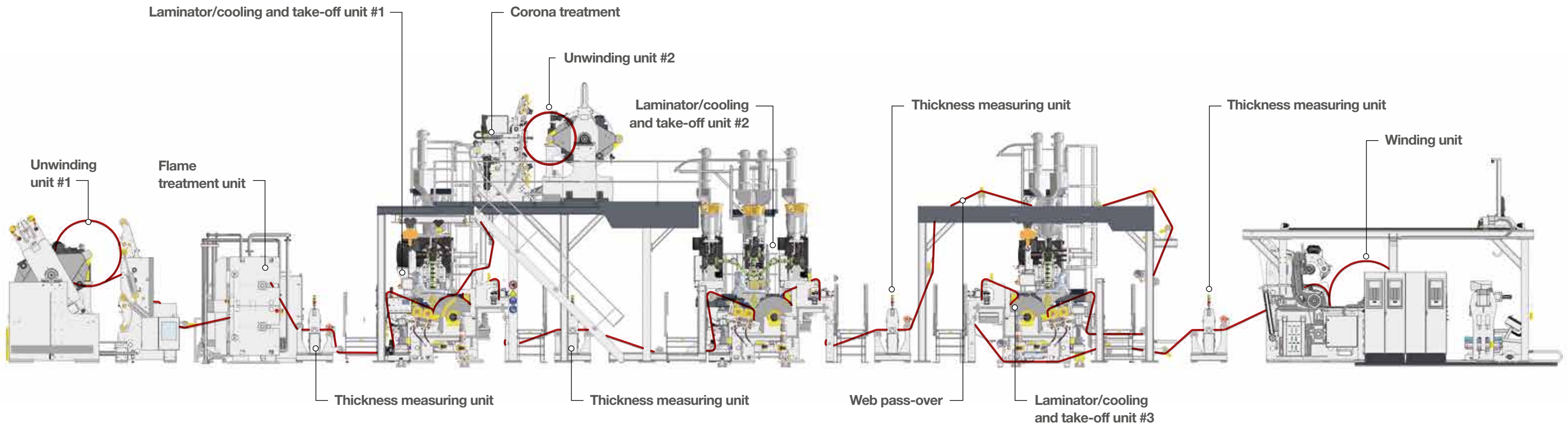
**Welcome to the supreme discipline**

The application areas of SML's Triplex line range from classical beverage cartons to pouches.

**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 sub-supplier

### 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 decking
- ▶ 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 decking
- ▶ 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 decking
- ▶ 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



Winding unit W1800

▶ 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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