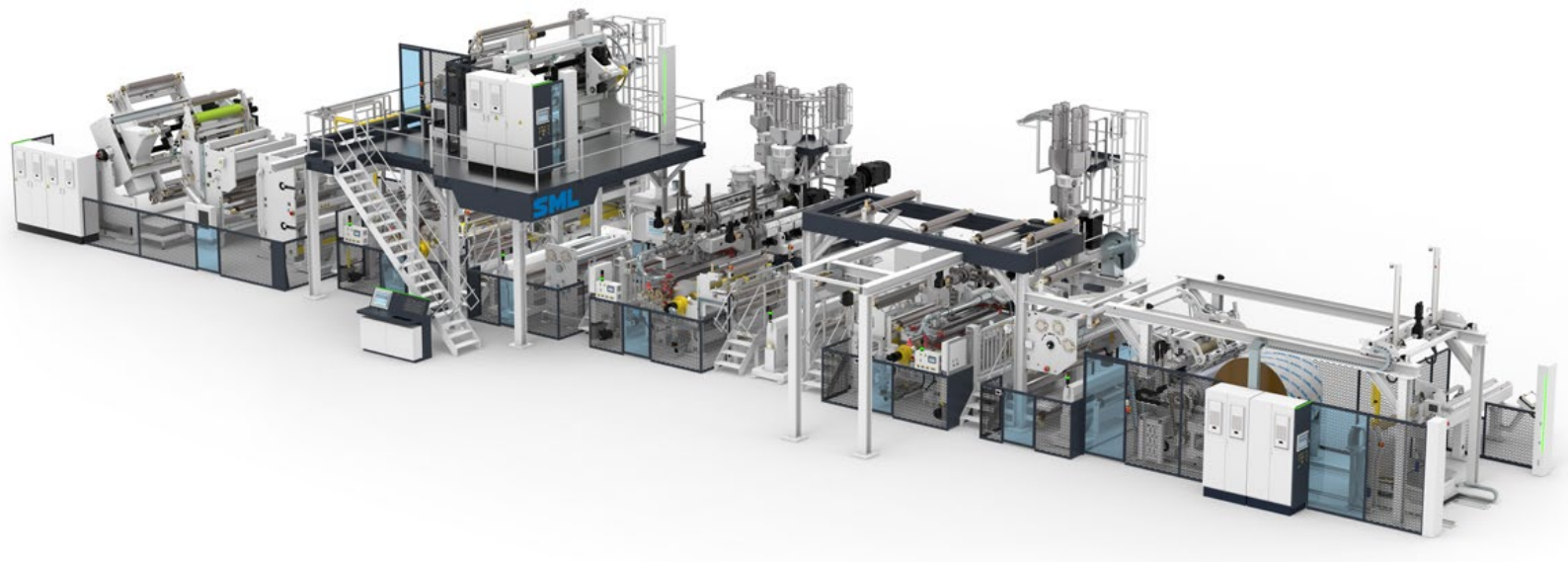
extrusion coating & laminating lines

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 can handle thin paper as well as rigid paperboard at an equally high quality.

Key Features

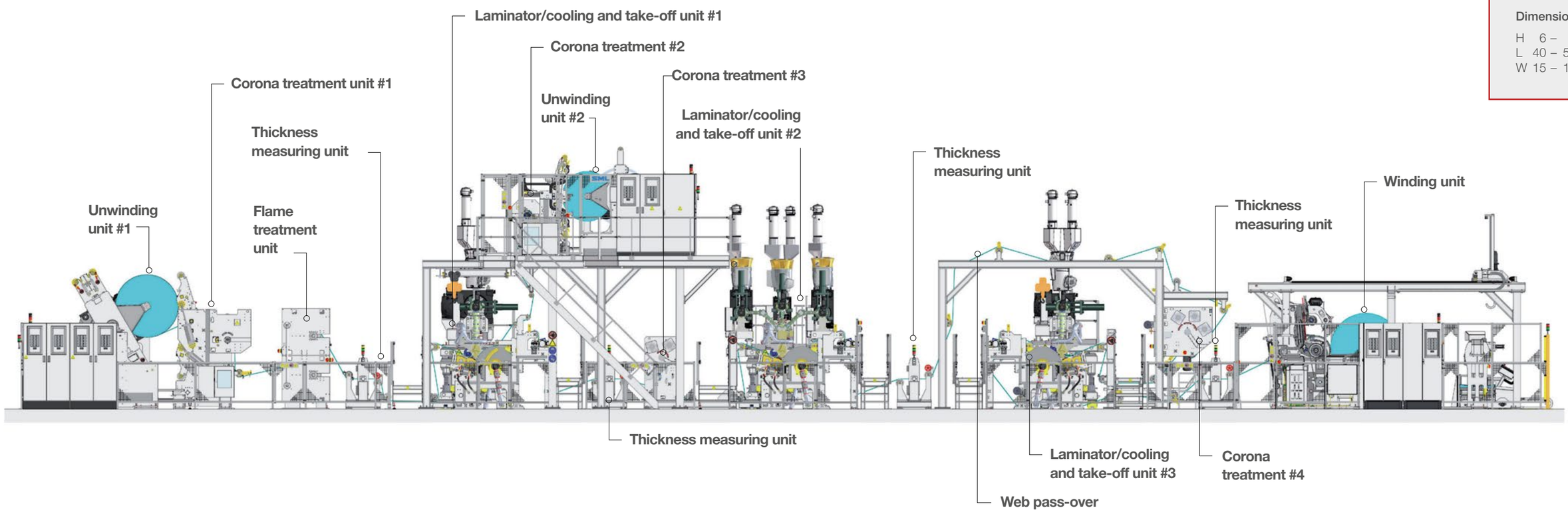
- Good accessibility
- High quality components
- Best cost performance ratio
- Easy operation

Products	Aseptic board packaging
Product width	700 - 1,350 mm / 850 - 1,650 mm
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
Roller width	1,500 mm
Line design	LID (Laminate/Inside/Decor)

Welcome to the supreme discipline

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



Dimensions:
H 6 – 8 m
L 40 – 50 m
W 15 – 18 m

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

CORONA #1

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

FLAME TREATMENT

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

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

CORONA #2

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

STATION #1 (LAMINATE)

- Batch dosing system
- Extruder Ø 135/33 LD
- Hydraulic 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

CORONA #3

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

STATION #2 (INSIDE)

- Batch dosing system
- Extruder Ø 90/33 LD
- Extruder Ø 90/33 LD
- Extruder Ø 75/33 LD
- Hydraulic 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

CORONA #4

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

STATION #3 (DECOR)

- Batch dosing system
- Extruder Ø 105/33 LD
- Hydraulic 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

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

THICKNESS MEASURING SYSTEM

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

WINDING UNIT

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

SML

Take advantage of our global leadership in extrusion technology.

ANALYSES
DEVELOPMENT
PRE-TESTED PERFORMANCE
DELIVERY ON TIME
SERVICE SUPPORT
CUSTOMER SATISFACTION

SML
EXTRUSION LINES – ENGINEERED TO PERFORM

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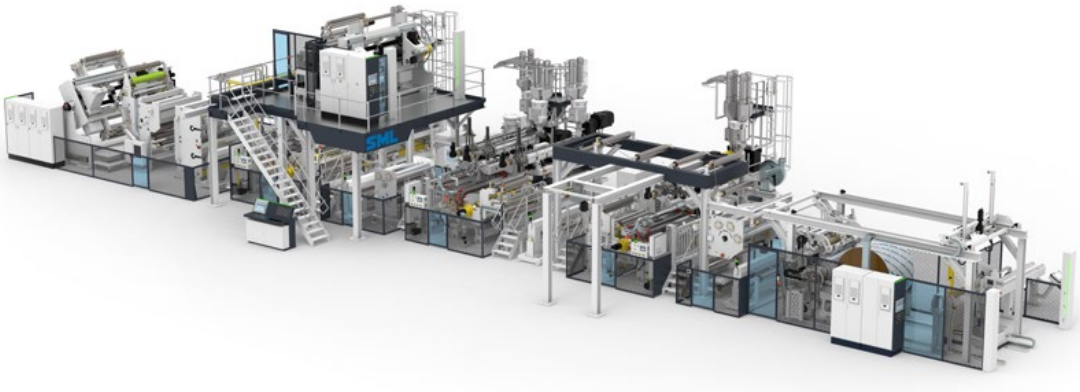

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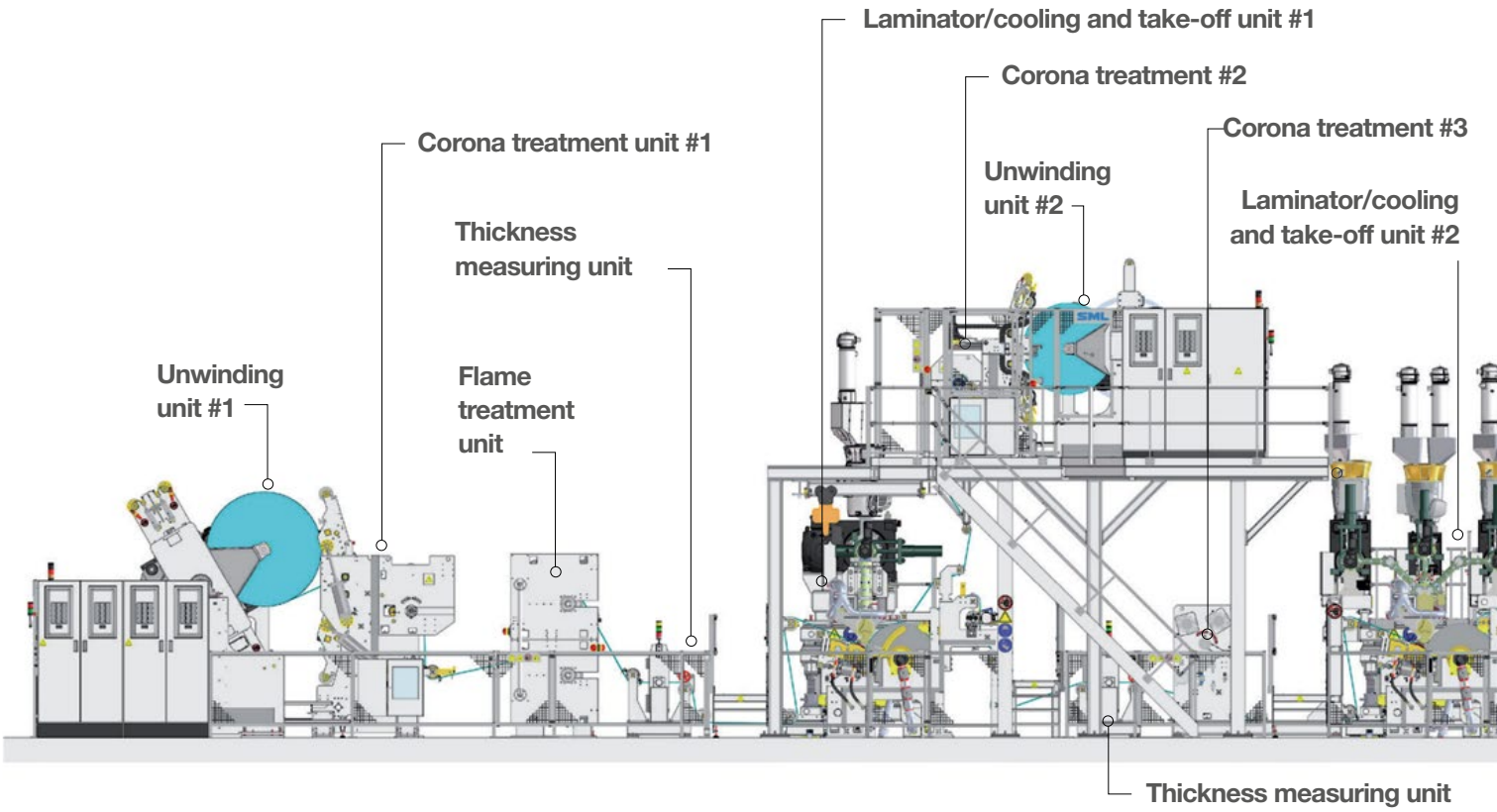

UNWINDING UNIT #1 (BOARD)

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CORONA #1

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

FLAME TREATMENT

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

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

CORONA #2

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

STATION #1 (LAMINATE)

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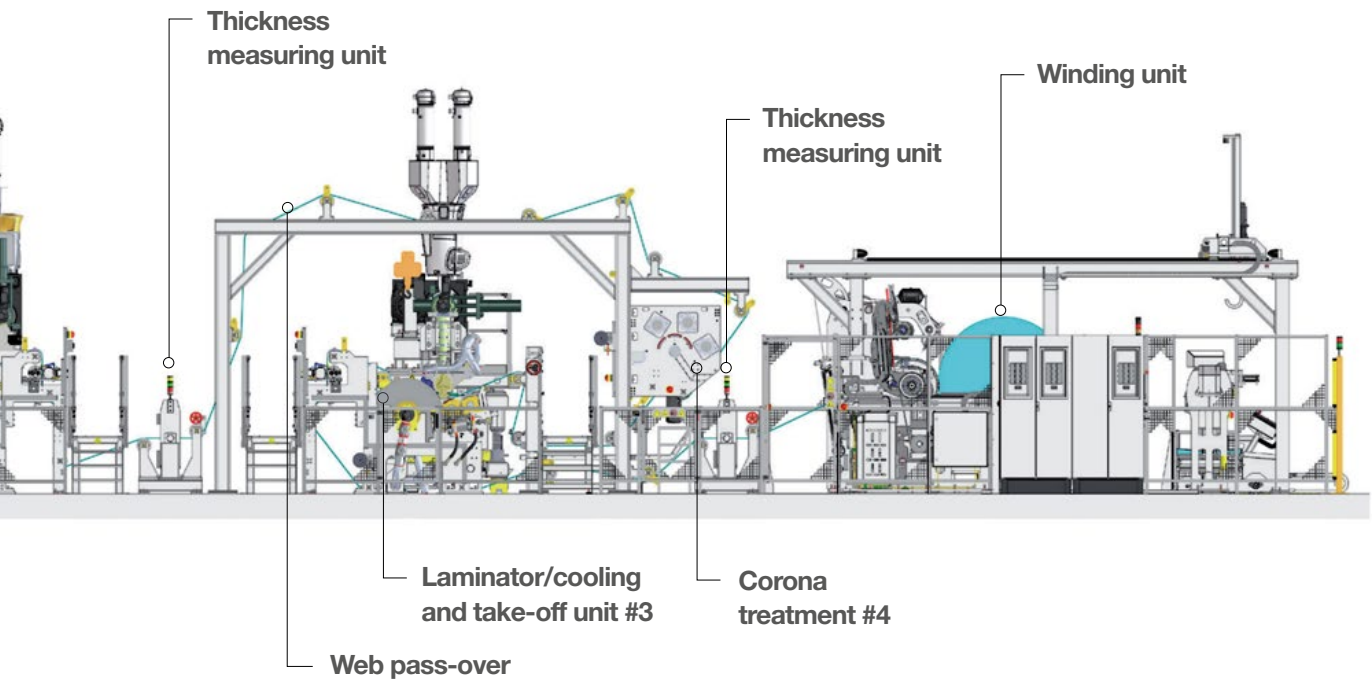

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- For the treatment of material upstream of laminator #2
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CORONA #4

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

STATION #3 (DECOR)

- Batch dosing system
- Extruder Ø 105/33 LD
- Hydraulic 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

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- 4-frame system with a Kr85 sensor working in the differential measuring mode
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WINDING UNIT

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