

▶ extrusion coating & laminating lines

SML
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

▶ *Triplex* – ASEPTIC PACKAGING



**Extrusion lines –
engineered to perform**

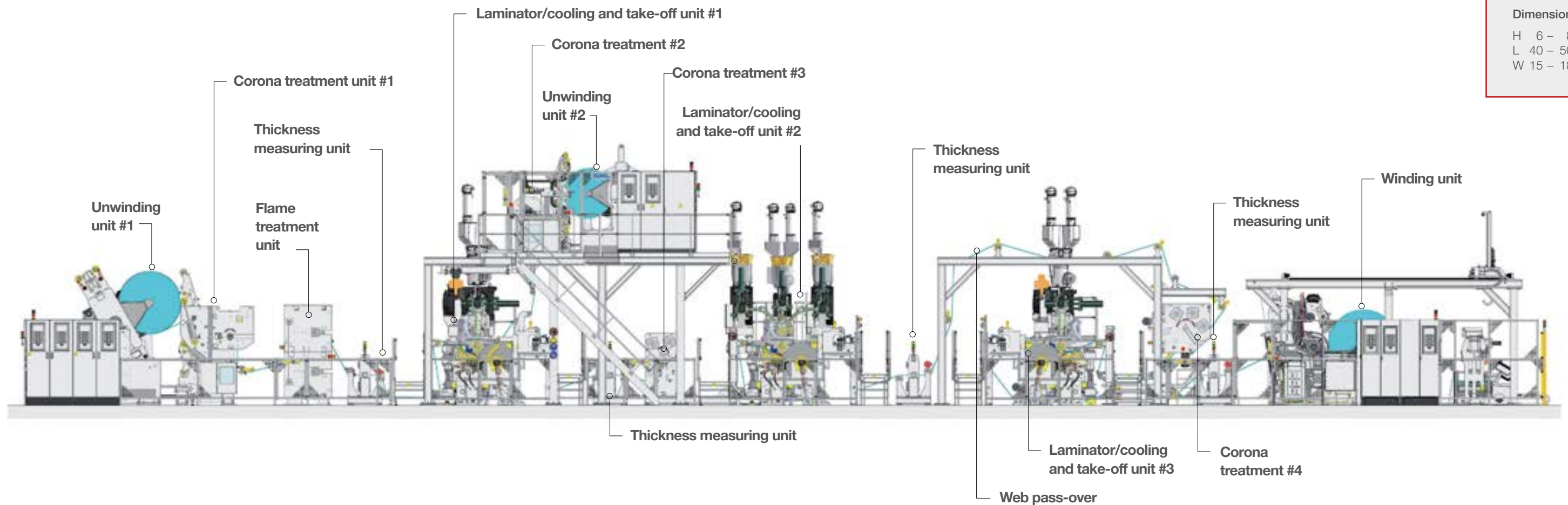
Precise interaction for the highest quality
 SML's Triplex coating and laminating line is designed to manufacture complex composite carton packaging in one simple and cost-effective process. It is based on robust mechanical engineering and precise machine control. The Triplex line can handle thin paper 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)



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



Welcome to the supreme discipline

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

▶ **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 ▶

SML - Head Office

Gewerbepark Ost 32
4846 Redlham
Austria
Phone: +43 7673 90999
E-mail: sml@sml.at
www.sml.at

SML - Machinery Far East Sdn Bhd

(1029958-P)
1201 Block B, Menara Amcorp
No.18 Jalan Persiaran Barat
46050 Petaling Jaya
Selangor Darul Ehsan,
Selangor, Malaysia
Phone: +60 3 7955 9098
E-mail: yen@sml.at

SML - Beijing Office

Unit 1410, Landmark Tower
No. 8 North Dongsanhuan Road
Chaoyang District
100004 Beijing, P.R. of China
Phone: +86 10 6590 0946
E-mail: sml@sml.bj.cn

**SML - North America
Service, Inc.**

Suite 204
85 Eastern Avenue
Gloucester MA 01930
USA
Phone: +1 978 281 0560
Mobile: +1 978 394 1553
E-mail: jom@sml.at



www.sml.at