

# ▶ cast film lines

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

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▶ **CPP/MDO-PP,  
CPE/MDO-PE FILM**

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**Extrusion lines –  
engineered to perform**

# Precision down to the smallest detail

SML's cast film lines manufacture CPP / MDO-PP, CPE / MDO-PE films with excellent mechanical and optical properties. The monoaxial stretching process in SML's cast film lines offers a wide range of options to improve product quality. The entire equipment can be individually adapted to customers' requirements.

## ► Key Features

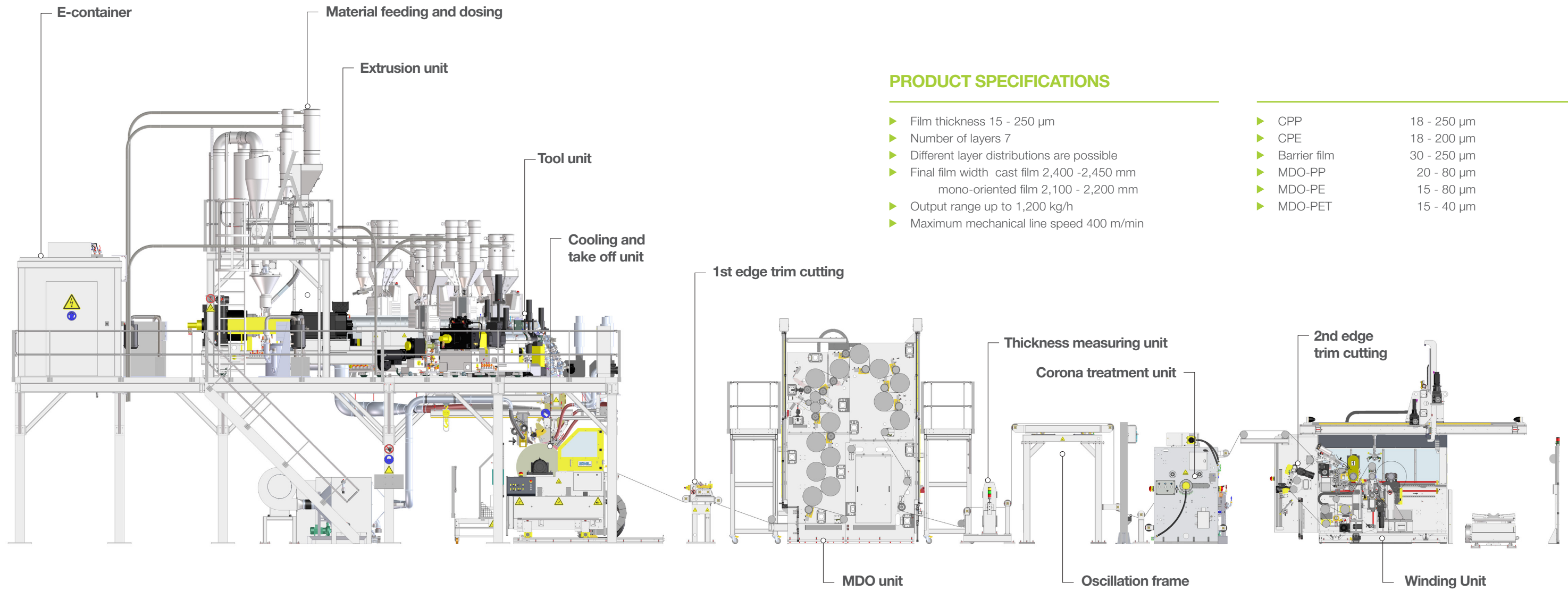
- Films with high transparency and low haze values
- Wide thickness range
- HO-LT extruders for heat-sensitive polymers like EVOH

### 3-layer-structure

- Copo / treated ~10 – 20 %
- Homo + fluff ~60 – 80 %
- Copo / Sealing ~10 – 20 %

### 7-layer-structure

- mLLDPE ~ 15 %
- LLDPE/HDPE ~ 20 %
- Tie layer ~ 10 %
- EVOH ~ 10 %
- Tie layer ~ 10 %
- LLDPE/HDPE ~ 20 %
- mLLDPE ~ 15 %

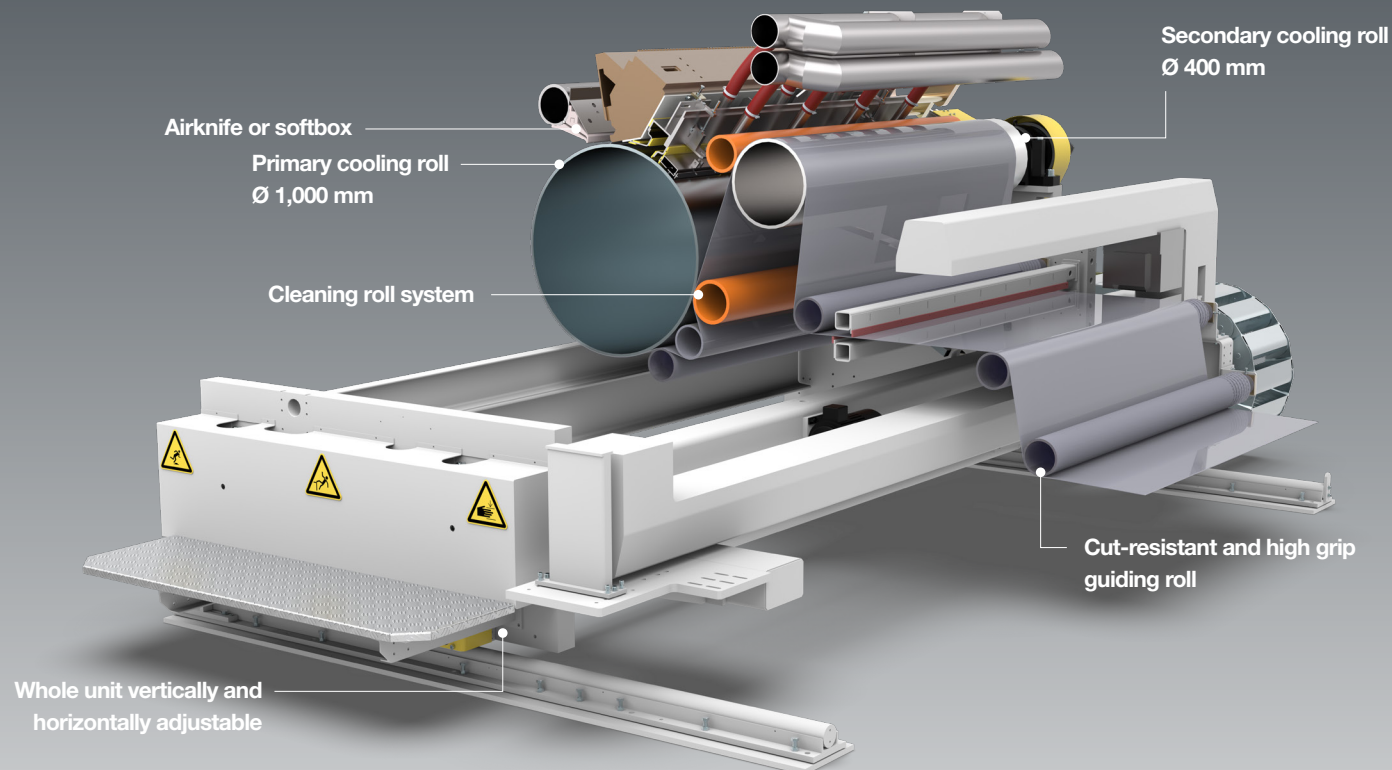


**PRODUCT SPECIFICATIONS**

- ▶ Film thickness 15 - 250 µm
- ▶ Number of layers 7
- ▶ Different layer distributions are possible
- ▶ Final film width cast film 2,400 - 2,450 mm  
mono-oriented film 2,100 - 2,200 mm
- ▶ Output range up to 1,200 kg/h
- ▶ Maximum mechanical line speed 400 m/min

- ▶ CPP 18 - 250 µm
- ▶ CPE 18 - 200 µm
- ▶ Barrier film 30 - 250 µm
- ▶ MDO-PP 20 - 80 µm
- ▶ MDO-PE 15 - 80 µm
- ▶ MDO-PET 15 - 40 µm

**CHILL ROLL UNIT**



**EXTRUSION UNIT**

- ▶ Gravimetric dosing system
- ▶ Number of extruders: 5
- ▶ Extruder diameter 45 – 135 mm
- ▶ Hydraulic disc filter
- ▶ Feedblock with variable geometry
- ▶ Automatic flat die
- ▶ Die splitting system
- ▶ Double chamber vacuum box
- ▶ Main extruder with a vertical scraptruder for the refeeding of edge trims

**WINDING UNIT**

- ▶ Horizontal sliding winder for the production of inline slitted rolls and mother rolls on 6-inch winding shafts

**DOWNSTREAM EQUIPMENT**

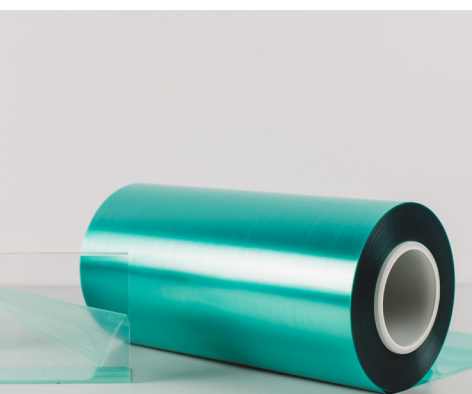
- ▶ Chill roll unit
- ▶ Edge trim cutting before MDO unit
- ▶ MDO unit
- ▶ Single side reversible corona treatment unit
- ▶ Thickness measuring unit
- ▶ Post cooling roll after corona treatment
- ▶ Oscillation frame or winder oscillation
- ▶ Film inspection system

**Dimensions:**  
 H 9.1 m  
 L 34.1 m  
 W 13.1 m



**Always specially optimised for your needs**

Cast film products are primarily used in the packaging industry for food and consumer goods. Due to their special properties, technical and medical products have become an additional area of application.



▶ Take advantage  
of our global  
leadership in  
extrusion  
technology.

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

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