

# cast film lines

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

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▶ STRETCH WRAP FILM

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*MasterCast*<sup>®</sup>



**Extrusion lines –  
engineered to perform**

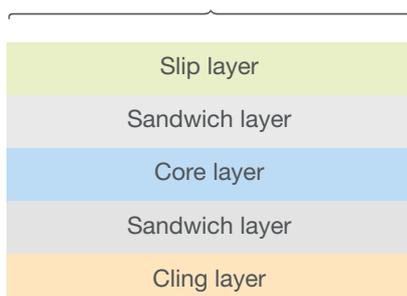
# Stepping up the game with unrivalled volume

SML's MasterCast® is the largest cast film extrusion line of its kind and stands for an exceptional performance. The numbers speak for themselves: MasterCast® enables productions with a width of 6 meters (12-up) and an installed extrusion capacity of up to 5,000 kg/h.

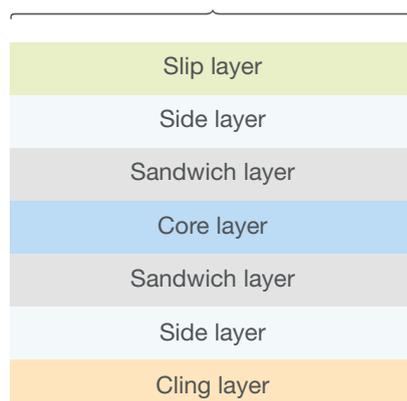
## Key Features

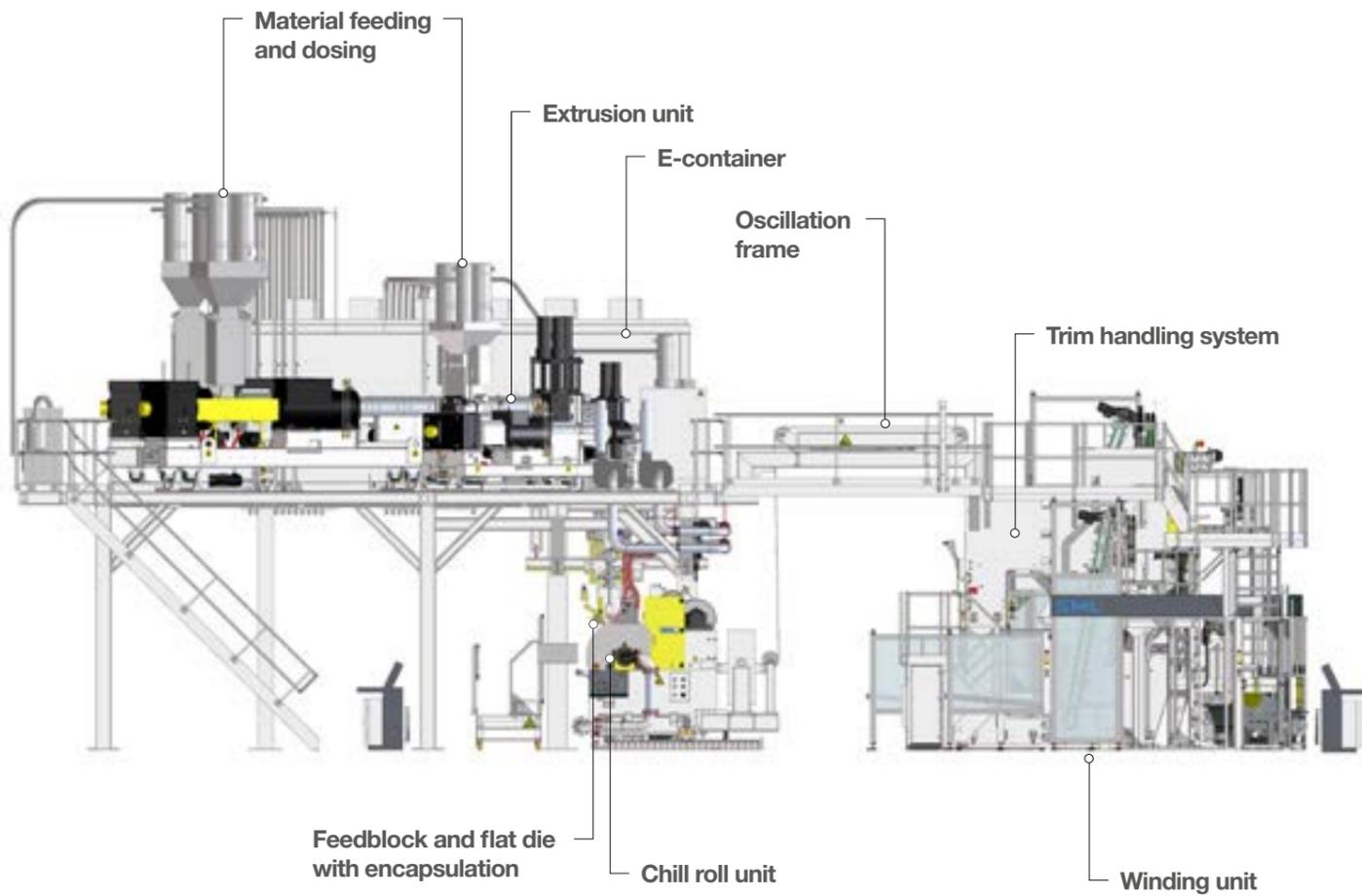
- Narrow design, low space requirements
- Easy to operate
- Lowest power consumption per kg film
- Lowest labor cost per kg film
- High output even at thin gauge
- High production efficiency due to a low edge trim ratio
- Excellent production stability at high speeds

**MasterCast® 5L**



**MasterCast® 7L**





**PRODUCT SPECIFICATIONS**

Products	super power stretch, automatic stretch, hand stretch, cling film	
Film thickness range	(8) 10 - 50 µm	
Film final width	12 x 500 mm	
Film structure	5 or 7 layers	
Production speed	up to 650 m/min	
Net output value <b>MasterCast®</b>	12 µm	2,400 kg/h
	17 µm	3,300 kg/h
	23 µm	4,000 kg/h

**EXTRUDER CONFIGURATIONS**

<b>MasterCast® 5L</b>	<b>MasterCast® 7L</b>
Gravimetric batch dosing system with 2 components. Option: 3 or 4 components	
5 extruders	6 extruders
2 x 150/33 each 1,250 kg/h	2 x 150/33 each 1,250 kg/h
1 x 135/33 1,050 kg/h	4 x 90/33 each 600 kg/h
2 x 90/33 each 600 kg/h	
SML advanced heaters for extruder barrels	
5-layer feedblock	7-layer feedblock
Automatic flat die: 6,950 mm	

**CHILL ROLL UNIT**



**CHILL ROLL UNIT**

- ▶ Primary chill roll Ø 1,200 mm or 1,600 mm, width 7,000 mm
- ▶ Secondary chill roll Ø 600 mm, width 7,000 mm
- ▶ IR thickness measurement
- ▶ Alternative: X-ray or Beta sensor
- ▶ Oscillating frame
- ▶ Cut-resistant guiding rolls

**WINDER W4000-2S/4S**

- ▶ 3 turrets with 4 x 500 mm
- ▶ Total film width of 12 x 500 mm
- ▶ Machine and jumbo rolls (up to 60 kg) on 3-inch cores
- ▶ Thin core technology

**EDGE TRIM REFEEDING SYSTEM**

- ▶ Recycling unit with reel feeder for pelletising of edge trims and start-up rolls.  
Alternative: Vertical scraptruder (fluff refeeding system).

**Outstanding film properties**

- ultimate
- tear propagation
- puncture force

**Products:**

Super power stretch

Automatic stretch

Hand stretch

Cling film



▶ **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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