

SML

EXTRUSION LINES – ENGINEERED TO PERFORM ▶



MasterCast®

STRETCH FILM
EXTRUSION LINE

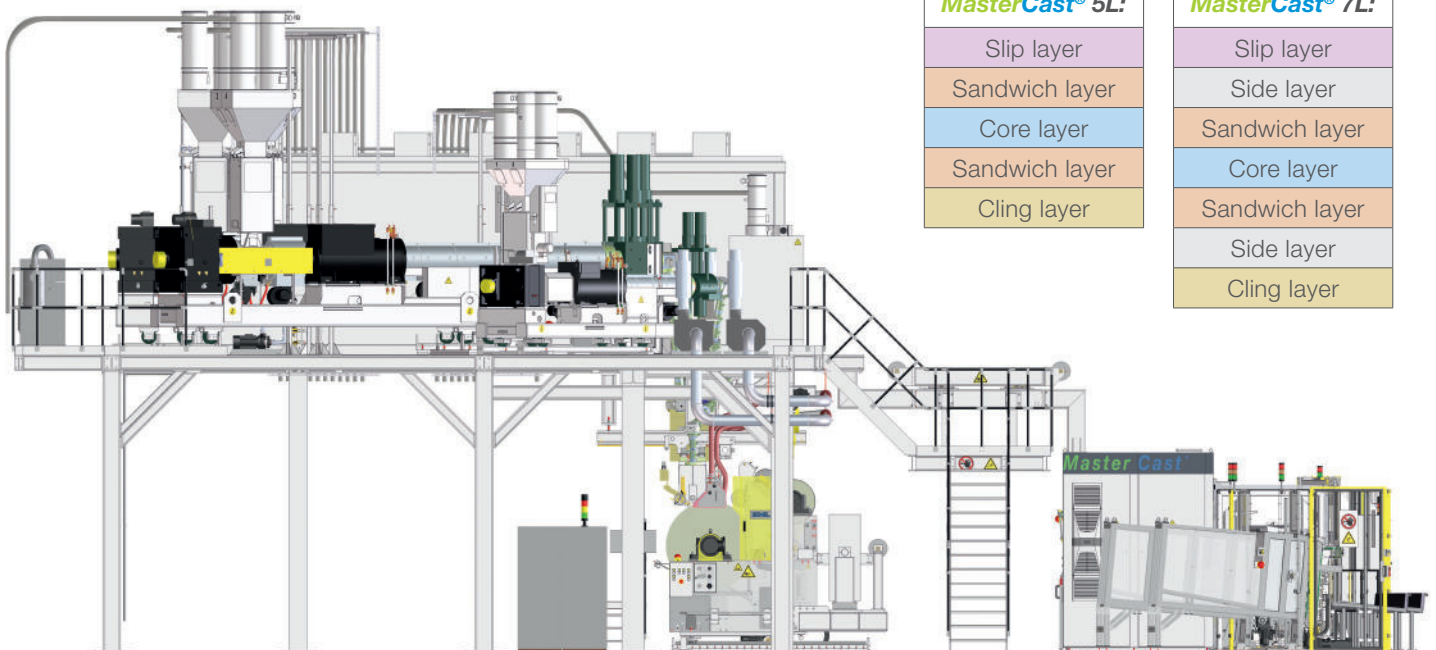
MasterCast® is not only SML's most powerful stretch film line, but also the world's largest. The line offers a usable film width of 6m (12-up) and a net output of 4,500 kg/h (gross output 5,300 kg/h). Moreover, apart from the high volume version, 5/7-layer concepts are available for smaller outputs.



WHY SML MasterCast®?

- Narrow design, low space requirement
- Easy to operate
- Lowest power consumption per kg film
- Lowest labour cost per kg film
- High output even at thin gauge
- High production efficiency due to low edge trim percentage
- Excellent line stability at high speeds
- Outstanding film properties

Products	super power stretch, automatic stretch, hand stretch, cling film	
Film thickness range	8 - 50µm	
Film final width	12 x 500mm	
Film structure	5 or 7 layers	
Production speed	up to 750 m/min	
Net output value MasterCast®:	12µm	2,400 kg/h
	17µm	3,000 kg/h
	23µm	4,500 kg/h





EXTRUDER CONFIGURATIONS:

MasterCast® S	MasterCast® M	MasterCast® L
Gravimetric batch dosing system with 2 components. Option: 3 or 4 components		
5 extruders	5 extruders	5 extruders
3 x 120/33 each 900 kg/h	3 x 135/33 each 1,150 kg/h	3 x 150/33 each 1,400 kg/h
2 x 75/33 each 480 kg/h	2 x 75/33 each 480 kg/h	2 x 90/33 each 600 kg/h
SML advanced heaters for the extruder barrels		
Edge encapsulation extruder 45/28D		
5/7-layer feedblock	5/7-layer feedblock	5/7-layer feedblock
Automatic flat die: 6,960mm		

CHILL ROLL UNIT:

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

WINDER W4000-2S:

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

EDGE TRIM REFEEDING SYSTEM:

Recycling unit with reel feeder for pelletizing of edge trims and start-up rolls.

Alternative: Vertical scraptruder (fluff refeeding system).

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SML - Head Office

Bundesstrasse 1a
A-4860 Lenzing, Austria
Phone: +43-7672-912-0
Fax: +43-7672-912-9
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
Fax: +60-3-7955-9981
E-mail: yen@sml.at

SML - Moscow Office

Ogorodny proezd, 5
Building 6, office 303
127254 Moscow
Russia
Phone: +7 495 618 8007
Fax: +7 495 619 5961
E-mail: kna@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
Fax: +86-10-6590-0949
E-mail: sml@sml.bj.cn

100%
eXtrusion
CAST FILM LINES

ANALYSES | DEVELOPMENT

PRE-TESTED PERFORMANCE | DELIVERY ON TIME

SERVICE SUPPORT | CUSTOMER SATISFACTION

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