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 an output of up to 5,000 kg/h. Moreover, apart from the high volume version, 5/7-layer concepts are available for smaller outputs.



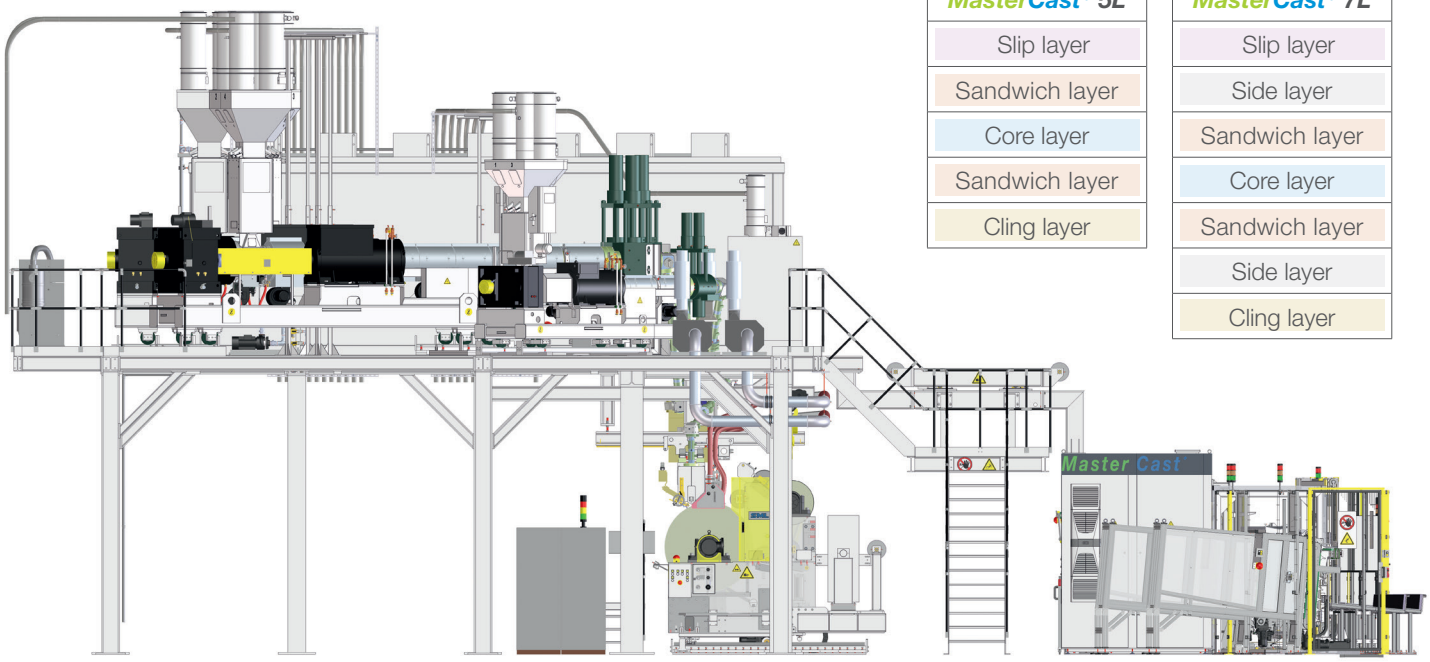
Why SML *MasterCast*®?

- ✓ 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) 10-50µm	
Film final width	12 x 500mm	
Film structure	5 or 7 layers	
Production speed	up to 650 m/min	
Net output value *MasterCast*®	12µm	2,400 kg/h
	17µm	3,300 kg/h
	23µm	4,000 kg/h

MasterCast® 5L
Slip layer
Sandwich layer
Core layer
Sandwich layer
Cling layer

MasterCast® 7L
Slip layer
Side layer
Sandwich layer
Core layer
Sandwich layer
Side layer
Cling layer





Extruder configurations

MasterCast® 5L	*MasterCast® 7L*
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 600kg/h
2 x 90/33 each 600 kg/h	
SML advanced heaters for extruder barrel	
5-layer feedblock	7-layer feedblock
Automatic flat die: 6,950mm	

Chill roll unit

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

Edge trim refeeding system

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

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

bit.Wise SMILE

EXTRUSION LINES – ENGINEERED TO PERFORM

SML - Head Office
SML Maschinengesellschaft mbH
Gewerbepark Ost 32
4846 Redlham, Austria
Phone: +43 7673 90999 0
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 504
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

SML - North America Service Inc.
Suite 204
85 Eastern Avenue
Gloucester MA 01930
USA
Phone: + 1 978 281 0560
E-mail: jom@sml.at

100% extrusion
CAST FILM LINES

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

www.sml.at

The contents of this brochure are only intended for informational purposes.
They are not to be considered as an offer with legal effect. 10.2019/V1