

Cast film lines

SML
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

▶ *SmartCast*

3 m line concept, 6-up

Stretch wrap film



EXTRUSION LINES –
Engineered to perform

Modular, flexible, powerful

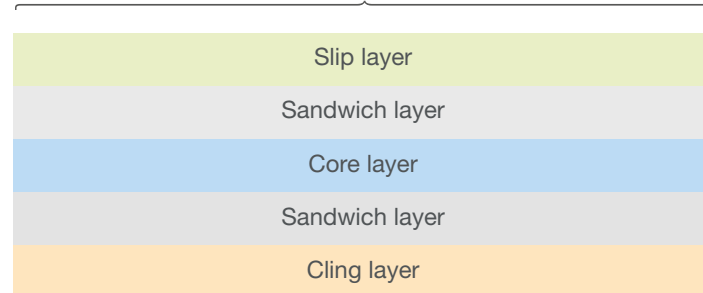
The SmartCast stands for high performance and variety as it offers an outstanding number of equipment features. It is notable for its modular concept consisting of four pre-configured extrusion units. This unique characteristic enables an output rate of 1,900 to 3,000 kg/h.

KEY FEATURES

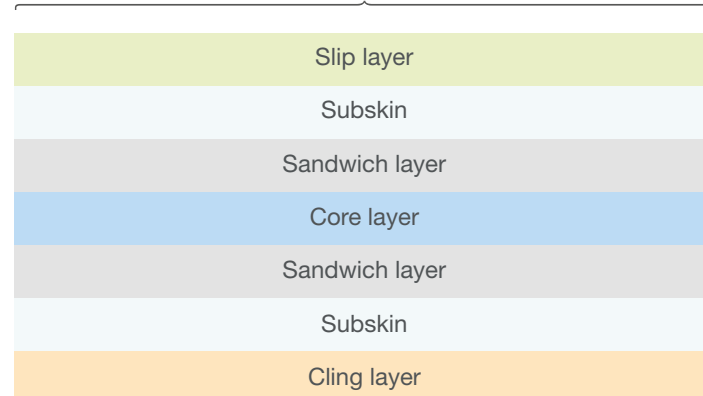
- Energy-saving extrusion technology
- Processing of PIR / PCR
- 100% reproducible casting position
- Outstanding production stability at high speeds

LAYER DISTRIBUTION

SmartCast 5L



SmartCast 7L



Products are:

Super power, machine, hand, cling and agricultural film

PRODUCT PROPERTIES

Utmost strength and durability in terms of:

- Ultimate strength
- Tear propagation resistance
- Puncture force

▶ Ultra short film tail for perfect roll finish

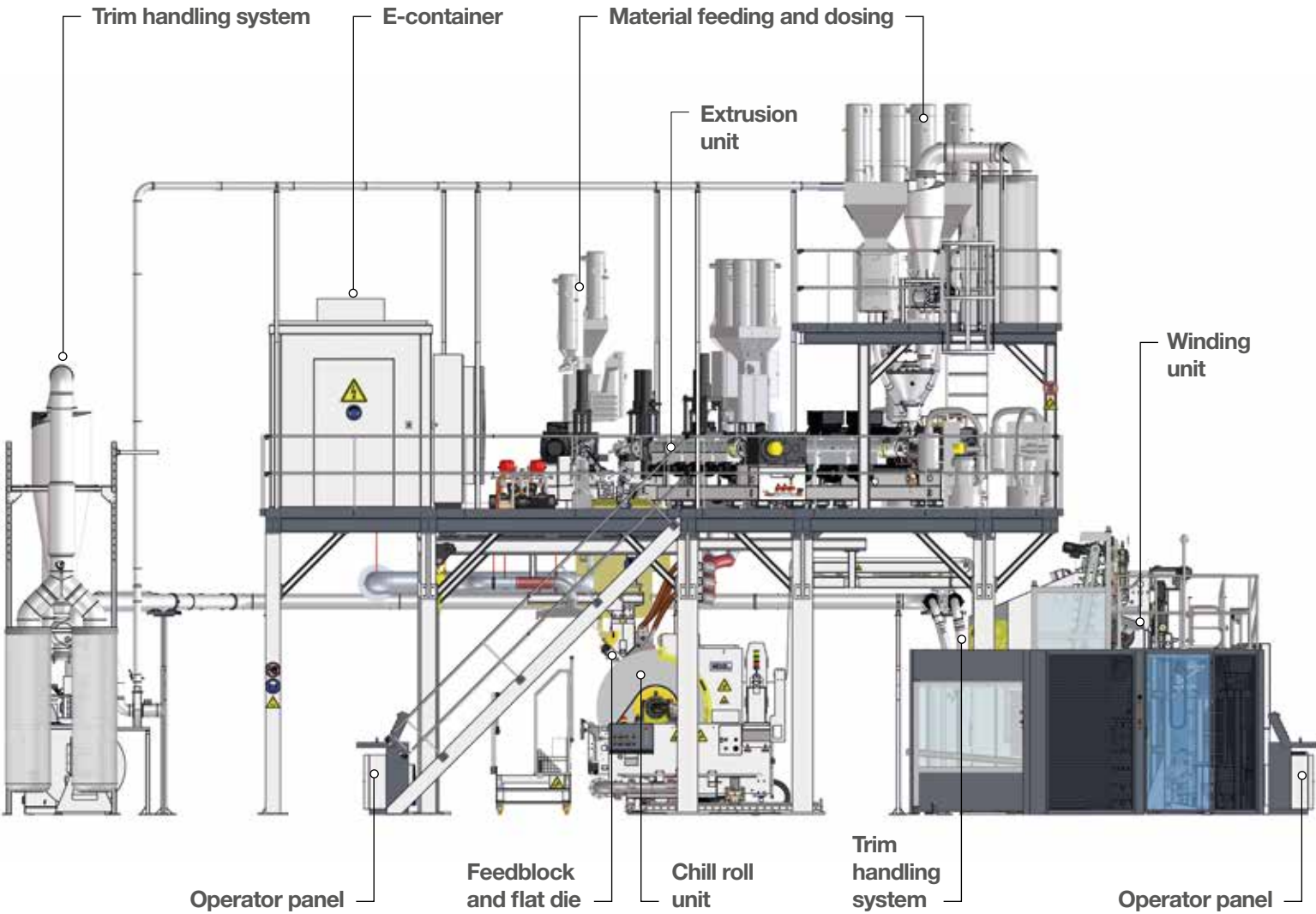


PRODUCT SPECIFICATION

Products	Super power, machine, hand, cling and agricultural film	
Film thickness range	8–50 µm	
Film final width	6 x 500 mm	
Film structure	5–67 layers	
Production speed	Up to 800 m/min	
Film thickness / net output value	12 µm	1,400 kg/h
	17 µm	2,000 kg/h
	23 µm	2,400 kg/h

EXTRUDER CONFIGURATIONS

SmartCast S	SmartCast M	SmartCast L	SmartCast XL
Gravimetric batch dosing system with 2 components. Option: 3 or 4 components			
5 extruders: 2 x 90/33 each 600 kg/h 1 x 75/33 480 kg/h 2 x 60/28 240 kg/h	6 extruders: 2 x 90/33 each 750 kg/h 4 x 60/28 each 240 kg/h	5 extruders: 2 x HSE 90/33 each 950 kg/h 1 x 90/33 600 kg/h 2 x 75/33 each 300 kg/h	6 extruders: 2 x HSE 90/33 each 950 kg/h 4 x 75/33 each 300 kg/h
SML advanced heaters for the extruder barrels			
Edge encapsulation extruder 45/28 (optional)			
5-layer feedblock	7-layer feedblock	5-layer feedblock	7-layer feedblock
Automatic flat die: 3,800 mm			



WINDING UNIT

Winder W4000-4S



CHILL ROLL UNIT

- ▶ First chill roll Ø 1,200 mm or 1,600 mm, width 3,800 mm
- ▶ Optional second chill roll Ø 400 mm, width 3,800 mm
- ▶ Automatic positioning
- ▶ IR thickness measurement
- ▶ Alternative: X-ray or beta sensor
- ▶ Oscillating frame
- ▶ Cut-resistant guiding rolls

WINDER W4000-4S

- ▶ Machine and jumbo rolls (up to 60 kg) on 3-inch cores
- ▶ Hand rolls on 2-inch cores
- ▶ Thin core technology
- ▶ Shortest cycle time
- ▶ Ultimate short film tail for a perfect roll finish

Alternative: Winder W4000-2S and winder W3000-4S are available for SmartCast lines.

EDGE TRIM RE-FEEDING SYSTEM

- ▶ Fluff refeeding via vertical scraptruder (or alternative recycling unit with reel feeder for pelletising of edge trims and start-up rolls)

OPTIONAL EQUIPMENT

- ▶ Pre-stretch unit
- ▶ Modified edges
- ▶ Coreless winding
- ▶ K-AP
- ▶ Film temperature measurement (FTM)

▶ For more information
about
STRETCH FILM LINES
follow the link



Engineered to perform.

SML – the leading manufacturer of high-end extrusion lines

- ▶ Cast film lines
- ▶ Sheet lines
- ▶ Coating and laminating lines
- ▶ Spinning lines
- ▶ Winding technology

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