

# ▶ sheet lines

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

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▶ **CLASSICPET**  
**SINGLE SCREW EXTRUSION**

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**Extrusion lines –  
engineered to perform**

# Our long proven classic

ClassicPET represents a robust single screw extrusion concept that is very comfortable to operate. This line makes the entire process smooth: adjustment of the film width and thickness, changing of recipes and handling post-industrial or post-consumer material. With ClassicPET from SML you get constant production stability.

## Key Features

- Easy to operate
- Easy start up process
- Easily adjustable width and thickness
- Easy handling of post industrial or post consumer materials
- Easily expandable
- Easily customised layout
- Easy recipe change
- Minimised iV Drop → close to no hydrolysis

## GRANULES



foam regrind crystallised



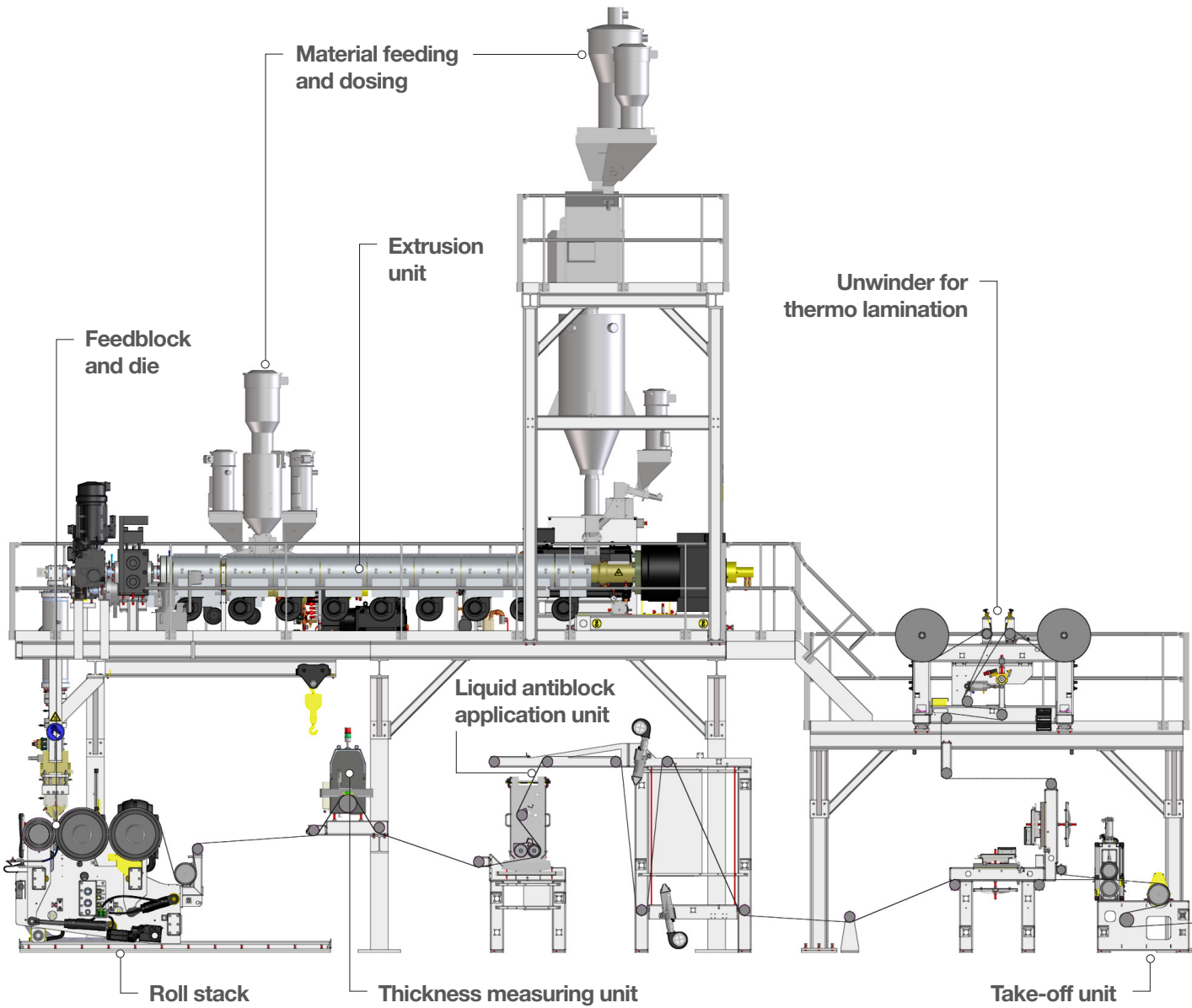
virgin material



film flakes



bottle flakes

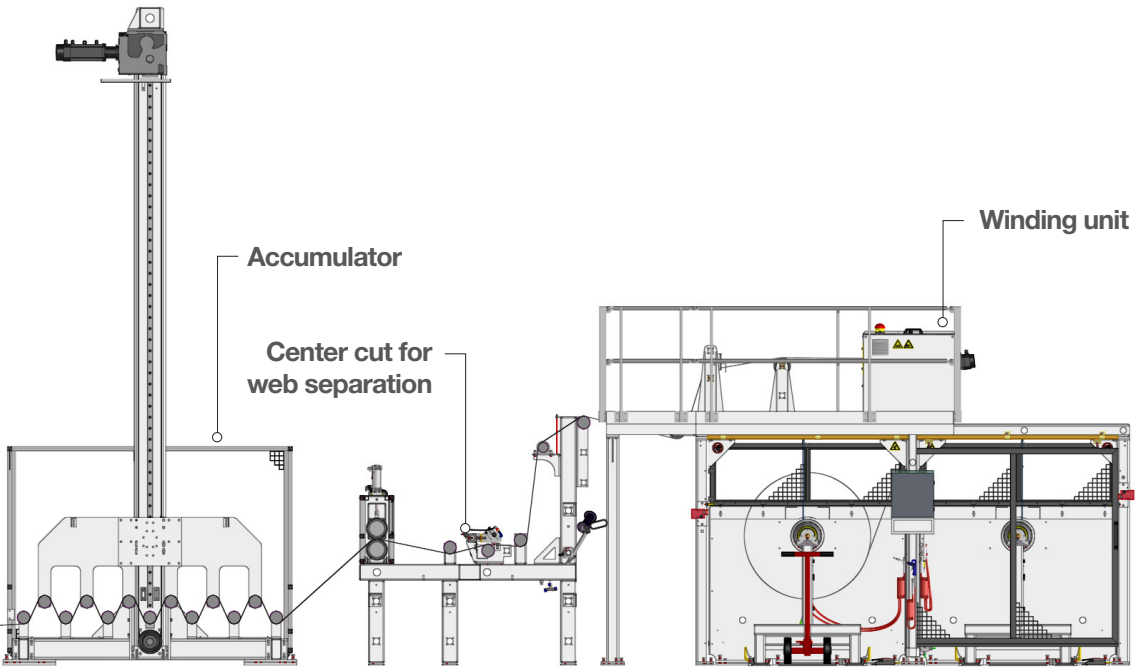


BASIC DESIGN INCLUDES

- ▶ Material handling systems ECO
- ▶ Complete extrusion unit with an extruder, melt pump, filter unit and static mixer
- ▶ Up to ClassicPET 4 manual die + 3 layer feedblock / beginning with the ClassicPET 5 automatic die 3 layer feedblock
- ▶ Roll stack with SPG roll technology, temperature control, hydraulics and safety devices
- ▶ Thickness measuring unit
- ▶ Edge trim unit with circular knives and an edge trim mill
- ▶ Winder W501
- ▶ Automatic control system
- ▶ SML BitWise System

OPTIONS

- ▶ Inline liquid antiblock application device
- ▶ One shaft winding unit with two webs
- ▶ Inline PE lamination
- ▶ Foaming package for PET (PP and PS on request)
- ▶ Upgrade of take of units for optical sensitive sheets
- ▶ Inline sheet inspection system
- ▶ Inline edge trim recycling system (from the mill directly to extruder)
- ▶ Upgradeable for EFSA and FDA conform sheet
- ▶ Polymer changing package



CONFIGURATION

Calander width [mm]	net film width min. -max. [mm]	OUTPUT FOR PET FILM					
		150 µm at full width <sup>1</sup>	300 µm at full width <sup>1</sup>	500 µm at full width <sup>1</sup>	800 µm at full width <sup>1</sup>	1,200 µm at full width <sup>1</sup>	1,800 µm at full width <sup>1</sup>
1,050	600 - 800	590	1,180	1,210	1,110	910	760
1,200	700 - 950	700	1,400	1,440	1,320	1,080	900
1,400	830 - 1,150	850	1,700	1,740	1,600	1,300	1,090
1,650	1,000 - 1,400	1,030	2,070	2,120	1,950	1,590	1,330
1,800	1,100 - 1,550	1,230	2,290	2,350	2,160	1,760	1,480
2,000	1,230 - 1,750	1,290	2,580	2,650	2,440	1,990	1,670
2,200	1,370 - 1,950	1,440	2,880	2,960	2,700	2,200	1,860

1) Values are given in net kg/h.  
Configuration up to 3,000 mm on request.

Recommended for:

Typical thermoforming application	++
PET	++
PP	+
PS	+
Optical film	~
PET / PE (recycled in reduced amounts)	+
PET / PE / EVOH (modifications required)	~+
GAG sheet	~

CLASSICPET

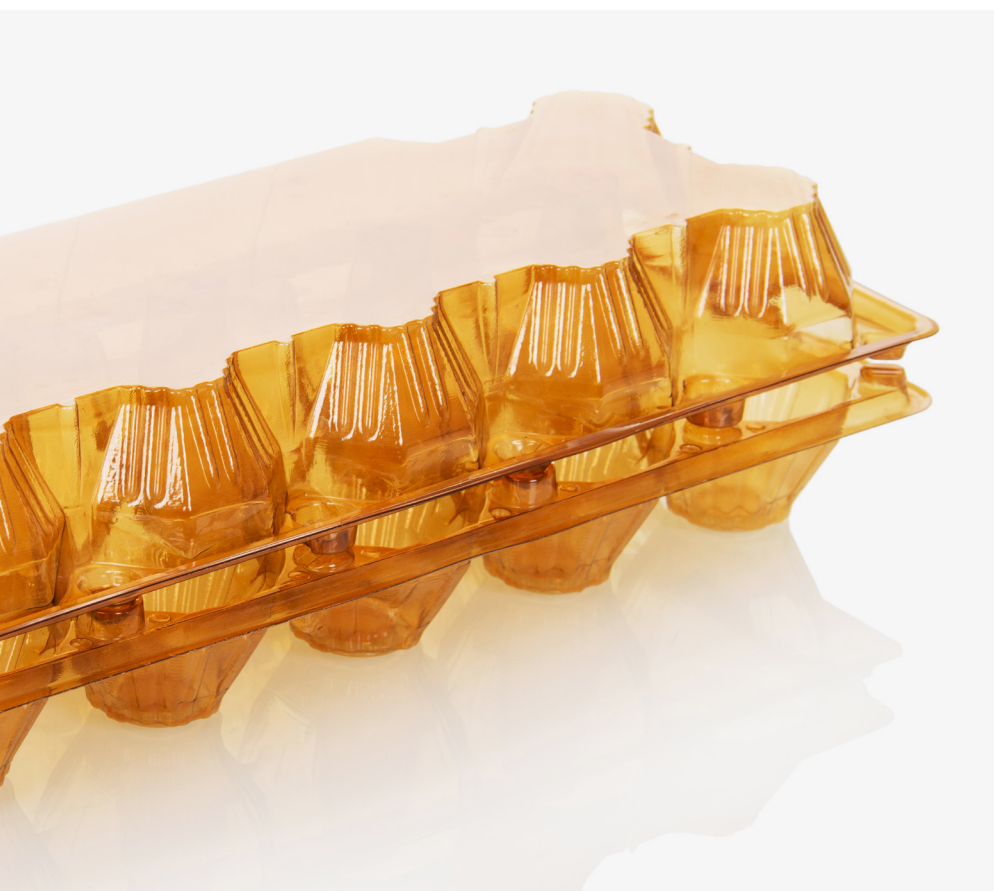
Extruder	MAX. EXTRUDER OUTPUT			
	PET [kg/h] max. flakes	max. pellets	PP [kg/h] flakes/pellets	PS [kg/h] flakes/pellets
ES60 <sup>2)</sup>	x	200	120	140
ES75 <sup>2)</sup>	x	300	170	205
ES90 <sup>2)</sup>	x	450	230	275
ES120	600	800	430	510
ES135	800	1,000	720	850
ES150	1,300	1,500	720	850
ES180	1,800	2,000	1,000	1,200

2) as coextruder



### **The bright variety of SML's technology**

PET sheet products are primarily used for food and consumer goods like trays, cups, blisters and lids. In addition, pharmaceutical and medical products have become important areas of application.





# ► Take advantage of our global leadership in extrusion technology.

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

# SML

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