

▶ sheet lines

SML
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

▶ **CLASSICPET**
SINGLE SCREW EXTRUSION



**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



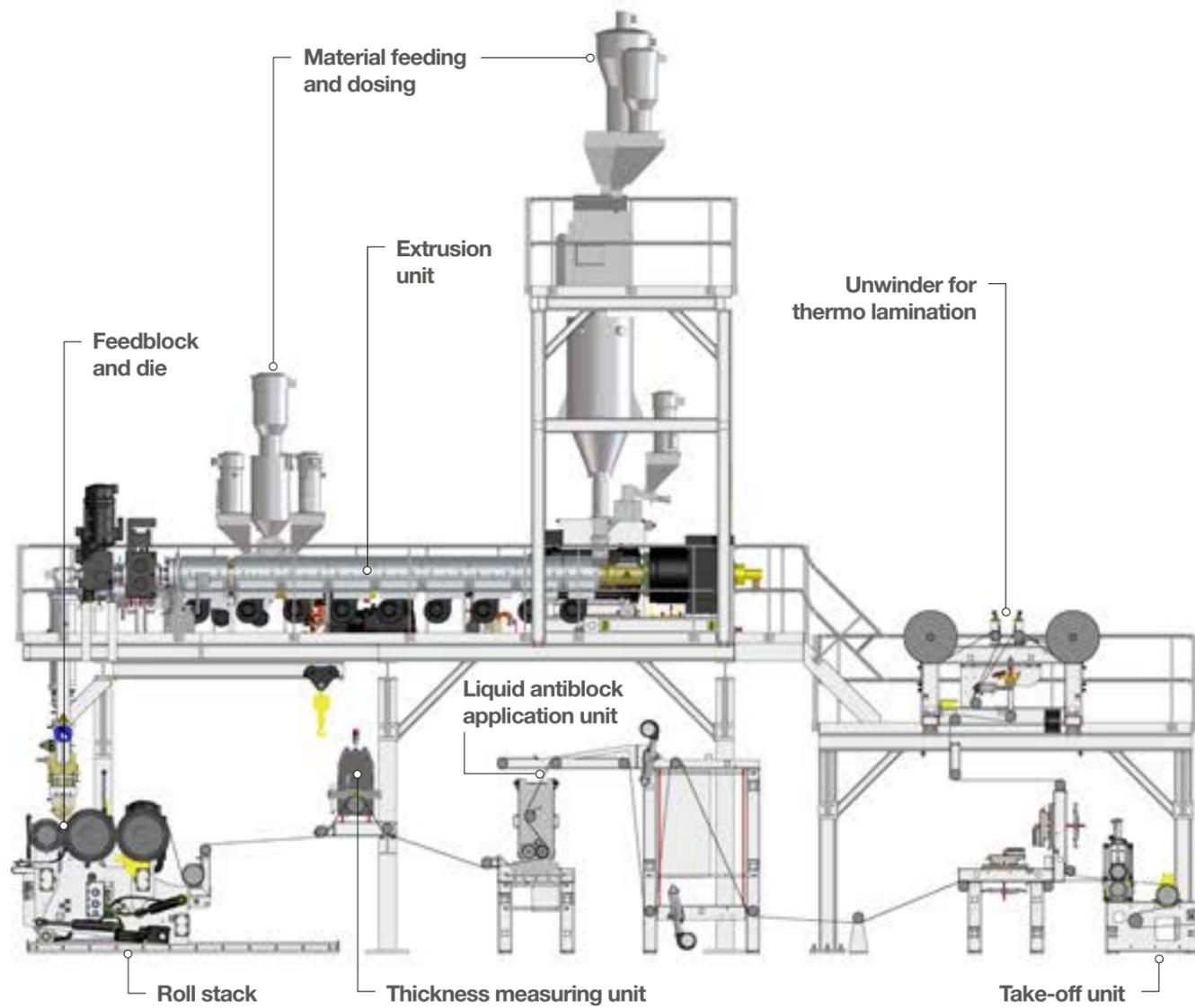
virgin material



film flakes



bottle flakes

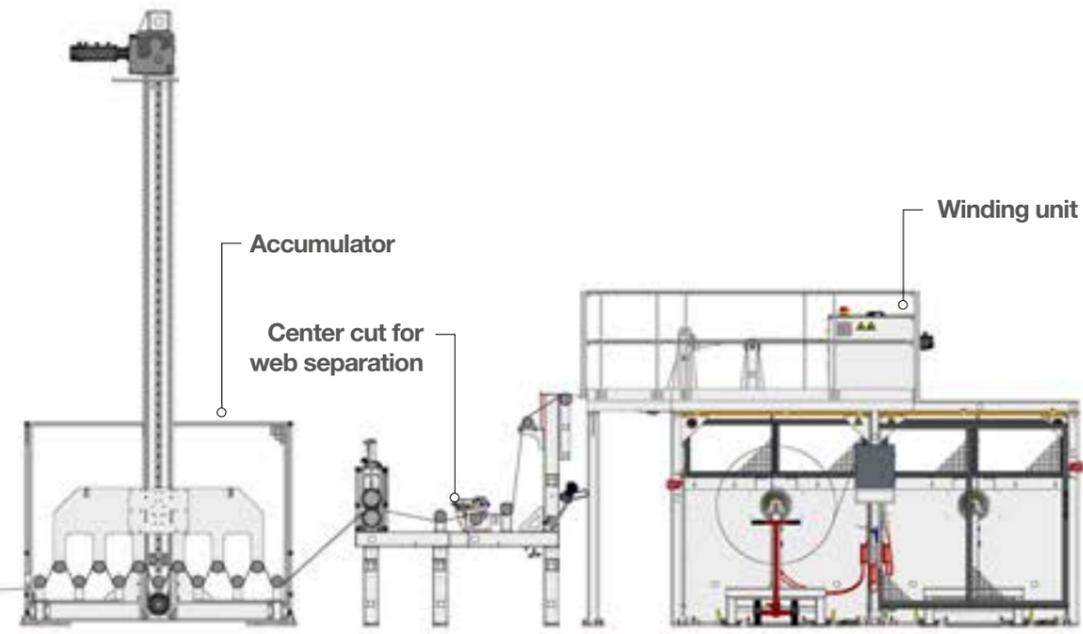


BASIC DESIGN INCLUDES

- ▶ 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 off 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]	OUTPUT FOR PET FILM						
	net film width min. - max. [mm]	150 µm at full width ¹	300µm at full width ¹	500µm at full width ¹	800µm at full width ¹	1,200µm at full width ¹	1,800µm at full width ¹
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] flakes	max. pellets	PP [kg/h] flakes/pellets	PS [kg/h] flakes/pellets
ES60 ²⁾	x	200	120	140
ES75 ²⁾	x	300	170	205
ES90 ²⁾	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**

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