

▶ sheet lines

SML
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

▶ **CLASSICPET**
SINGLE SCREW EXTRUSION



**Extrusion lines –
engineered to perform**

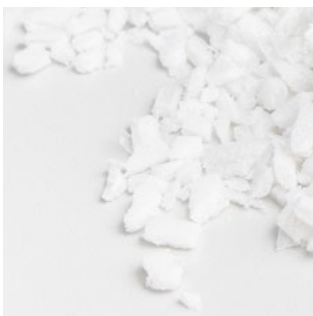
Our long proven classic

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

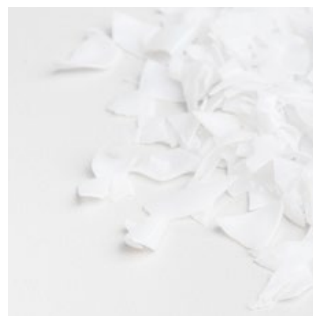
GRANULES



foam regrind crystallised



virgin material



film flakes



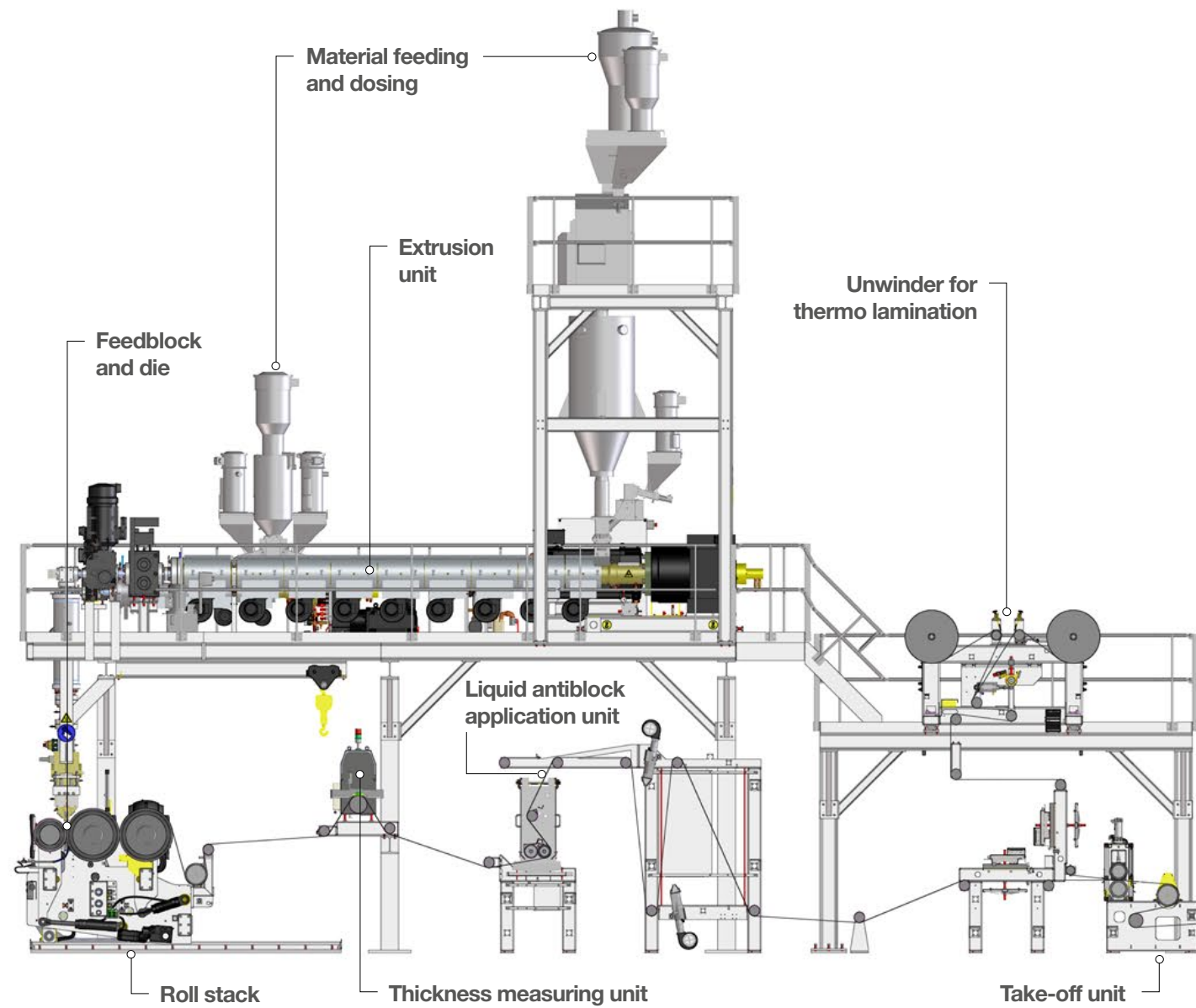
bottle flakes



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.



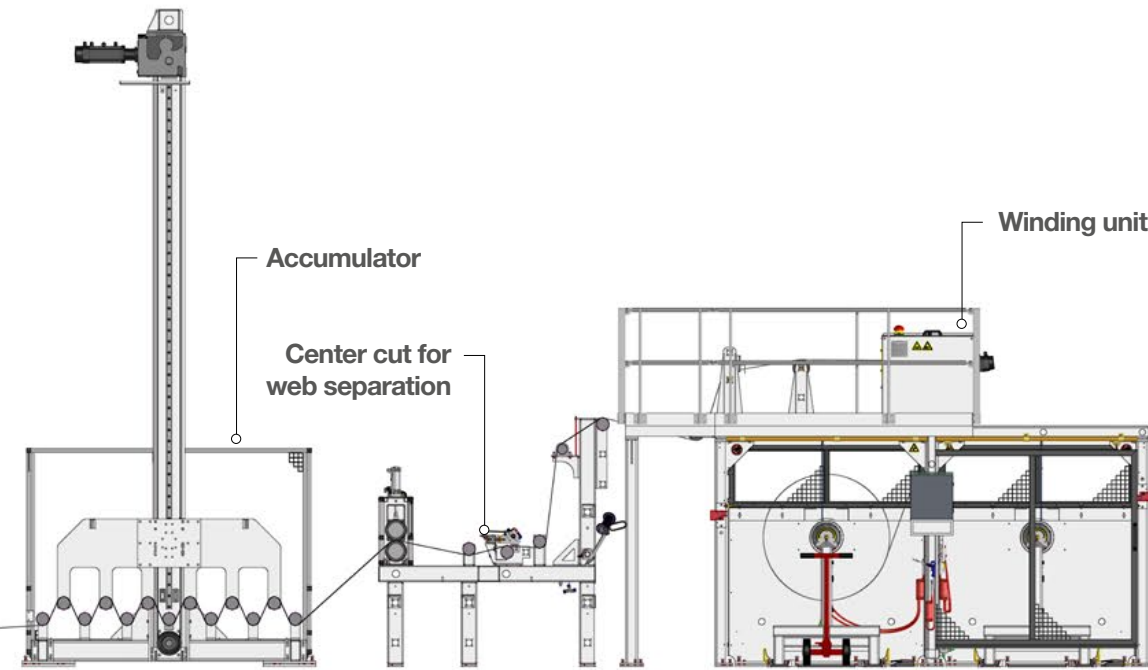


BASIC DESIGN INCLUDES

- ▶ 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 i/ 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

	ClassicPET 1	ClassicPET 2	ClassicPET 3	ClassicPET 4	ClassicPET 5	ClassicPET 6	ClassicPET 7	ClassicPET 8
Max. possible net width (mm)	800	800	950	1,150	1,380	1,530	1,730	1,930
150 µm	590	590	700	850	1,000	1,190	1,270	1,420
500 µm	670	840	860	1,300	1,310	1,550	1,490	1,500
1,000 µm	670	840	860	1,130	1,310	1,550	1,440	1,460
1,200 µm	670	800	860	1,040	1,310	1,460	1,410	1,230
1,800 µm	650	650	680	830	1,130	1,100	1,130	1,050

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

▶ **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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