



### FLEXIPET – TWIN SCREW EXTRUSION



# One line, many options

SML's FlexiPET represents an exceptional twin-screw extruder concept that is easily adaptable to various polymers. This line is able to process virgin and regrind PET, PP and PS – material switches can be managed very quickly. FlexiPET is also versatile regarding the choice of winding systems.

## **Key Features**

- Designed for the highest flexibility to process different kinds of polymers and applications
- Recommanded for the use of PETG and its post industrial flake stream
- Optimised to use dusty material streams
- FlexiPET lines are highly flexible in terms of useable materials and combinations
- The lowest residence time inside the extrusion unit due to conical twin screw extruders
- Reduced energy consumption
- Minimised applied shear stress

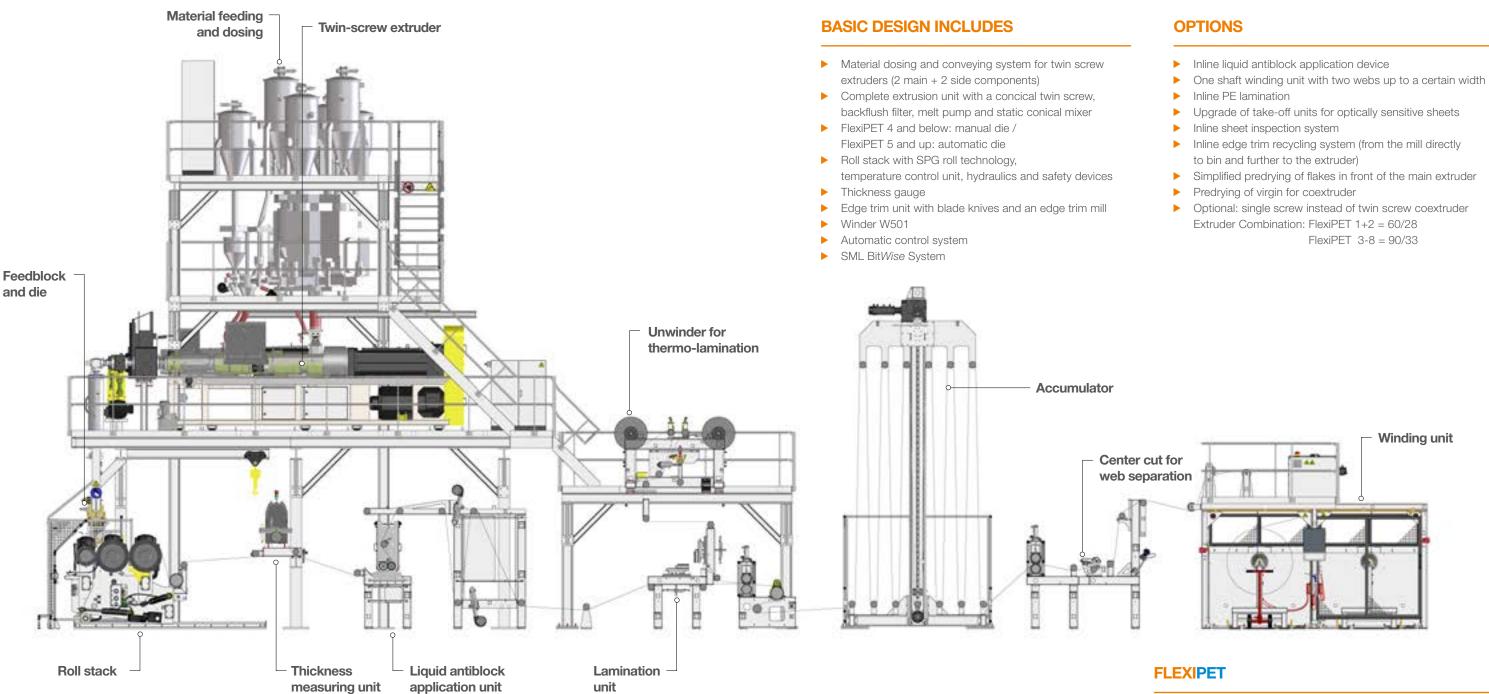


### GRANULES

virgin material

filmflakes

bottleflakes



**Recommended for:** 

PET

PP

PS

Optical film

GAG sheet

Customised sheet projects

Typical thermoform application

PET / PE (recycled in reduced amounts)

PET / PE / EVOH (modifications required)

### **CONFIGURATION**

Calander width [mm]	OUTPUT FOR PET FILM							
	net film width min max. [mm]	150 μm at full width <sup>1</sup>	300µm at full width <sup>1</sup>	500µm at full width <sup>1</sup>	800µm at full width <sup>1</sup>	1,200µm at full width <sup>1</sup>	1,800µm 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.

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Extr ES ES7 ESS MA MA MA MA MA

	MAX. EXTRUDER OUTPUT							
truder	PET [kg flakes	/h] max. <mark>pellets</mark>	PP [kg/h] flakes/pellets	PS [kg/h] flakes/pellets				
S60 <sup>2)</sup>	Х	200	120	140				
\$75 <sup>2)</sup>	х	300	170	205				
S90 <sup>2)</sup>	х	450	230	275				
4S45 <sup>2)</sup>	200 - 300	150	150	150				
AS55	300 - 600	300	350	250				
AS75	700 - 1,100	600	600	700				
AS90	1,200-1,800	1,000	1,100	800				
AS93	1,200-1,800	1,000	1,100	800				

2) as coextruder





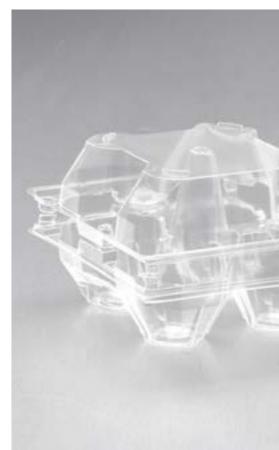




# The bright variety of SML's technology

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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