

▶ sheet lines

SML
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

▶ **RECYPET –
RECYCLING EXTRUSION**



**Extrusion lines –
engineered to perform**

Benefit from the best of two worlds

In combination with the compact VACUREMA® system, RecyPET from SML is the ideal solution for processing PET bottle flakes and regrind. This line is well suited to large amounts of recycled material with a consistent quality.

The advantages: No discoloration, low energy consumption and no pre-drying required.

Key Features

- Designed for the highest amount of post consumer or post industrial flake material
- Decontamination / dehumidification process in minimised time
- Minimised iV drop in relation to the input material
- Extrusion and material treatment system VACUREMA from the world market leader EREMA
- Optimised for high outputs of monolayer sheets

GRANULES



virgin material



film flakes



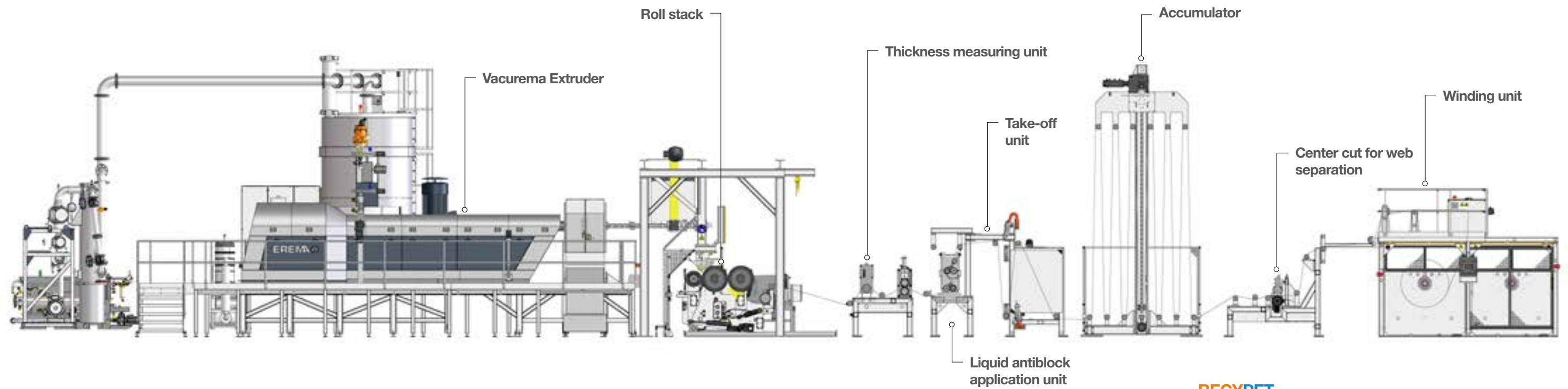
bottle flakes

BASIC DESIGN INCLUDES

- ▶ Complete extrusion unit with a reactor, extruder, backflush filter, melt pump and static mixer
- ▶ RecyPET 4 and below: a manual die / RecyPET 5 and up: an automatic die
- ▶ Roll stack with SPG roll technology, a temperature control unit, hydraulics and safety devices
- ▶ Thickness gauge
- ▶ Edge trim unit with blade cut and an edge trim mill
- ▶ Winder W501
- ▶ Automatic control system

OPTIONS

- ▶ Upgrade for coextruded A/B/A sheet
- ▶ Inline liquid antiblock application device
- ▶ One shaft winding unit with two webs up to a certain width
- ▶ Inline PE lamination
- ▶ Upgrade of take-off units for optically sensitive sheets
- ▶ Inline sheet inspection system
- ▶ Inline edge trim recycling system (from the mill directly to premixing)
- ▶ Upgradeable for EFSA and FDA conform sheet



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.

RECYPET

Extruder	MAX. EXTRUDER OUTPUT	
	PET [kg/h] max.	
	flakes	pellets
ES60 ²⁾	x	200
ES75 ²⁾	x	300
ES90 ²⁾	x	450
VAC1512	600	
VAC1714	900	
VAC1716	1,150	
VAC2018	1,450	
VAC2318	1,900	
VAC2321	2,050	
VAC2621	2,750	
VAC2625	3,500	

2) as coextruder

Recommended for:

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



The bright variety of SML's technology

PET sheet products are primarily used for food and consumer goods like trays, cups 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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