

► 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



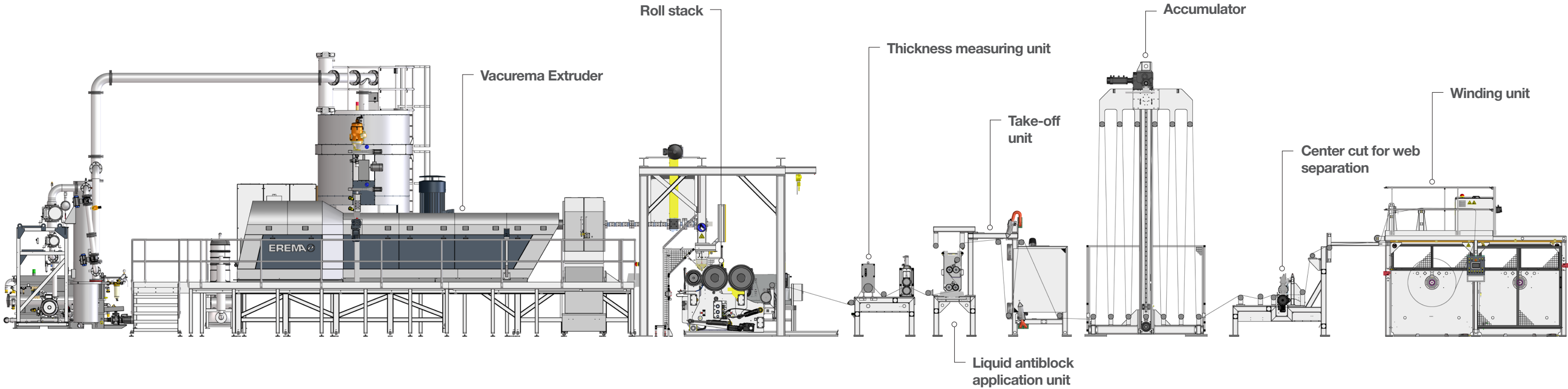
bottle flakes

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

	RecyPET 1	RecyPET 2	RecyPET 3	RecyPET 4	RecyPET 5	RecyPET 6	RecyPET 7	RecyPET 8
Line width (mm)	1,050	1,050	1,200	1,400	1,650	1,800	2,000	2,200
Max. possible net width (mm)	800	800	950	1,50	1,380	1,530	1,730	1,930
150 µm / app. net output kg/h	590	590	700	850	1,020	1,130	1,280	1,420
500 µm / app. net output kg/h	830	940	1,110	1,350	1,690	1,800	2,030	2,260
1,000 µm / app. net output kg/h	820	660	790	960	1,150	1,480	1,440	1,600
1,200 µm / app. net output kg/h	510	580	690	830	1,000	1,110	1,260	1,400

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

SML

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