Sheet lines

EXTRUSION LINES – ENGINEERED TO PERFORM

RecyPET

Recycling extrusion

rPET thermoforming applications

EXTRUSION LINES –
Engineered to perform

Combined expertise for top-quality rPET sheet

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 high amounts of post-consumer or post-industrial flake material
- Decontamination / dehumidifcation process in minimised time
- Minimised iV drop in relation to the input material
- Optimised for high outputs of monolayer sheets

RAW MATERIALS


Virgin material


Film flakes


Bottle flakes

PRODUCT PROPERTIES

- High transparency*
- Fully recyclable
- EFSA, FDA approved

efsa EUROPEAN FOOD SAFETY AUTHORITY

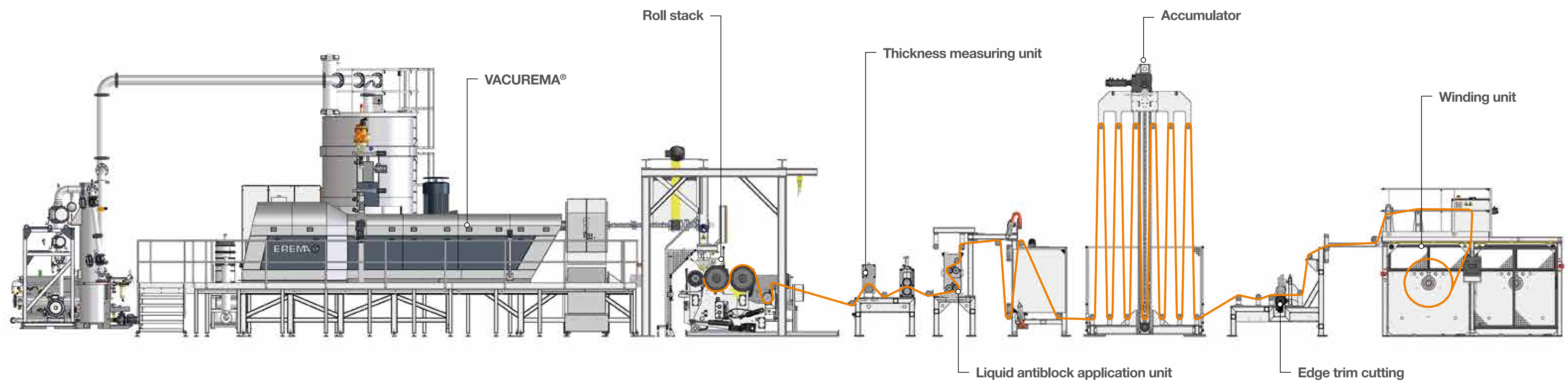
* non-foamed applications

From food packaging to medical applications: the diverse applications of PET sheet

PET sheet products are primarily used for food and consumer goods. These products include trays, cups, blisters and lids.
Addtionally, pharmaceutical and medical products have become important areas of application.

RECOMMENDED FOR

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



OUTPUT TABLE *RecyPET*

	RecyPET 1	RecyPET 2	RecyPET 3	RecyPET 4	RecyPET 5	RecyPET 6	RecyPET 7	RecyPET 8
Main extruder Co-extruder	1 x VAC1512 1 x ES60	1 x VAC1714 1 x ES 60	1 x VAC1716 1 x ES60	1 x VAC1716 1 x ES75	1 x VAC2018 1 x ES75	1 x VAC2018 1 x ES90	1 x VAC2318 1 x ES90	1 x VAC2321 1 x ES90
Output at full width [kg/h]	850	1,100	1,300	1,450	1,750	1,900	2,200	2,450
Roller width [mm]	1,050	1,050	1,200	1,400	1,650	1,800	2,000	2,200
Sheet thickness range [µm]	150–1,200 µm							
Sheet net width [mm]	600–800	600–800	700–950	850–1,150	1,000–1,400	1,150–1,550	1,300–1,750	1,500–1,950
Number of webs	1	1	1	1	1–2	1–2	2–3	2–3

BASIC DESIGN INCLUDES

- Complete extrusion unit with a preconditioning unit (PCU), extruder, backflush filter, melt pump and static mixer
- Roll stack with SPG roll technology, a temperature control unit, hydraulics and safety devices
- Thickness measuring unit
- Inline liquid antiblock application unit
- Edge trim unit with circular knives and an edge trim mill
- Winder W501
- Automatic control system
- EFSA and FDA conformity

OPTIONS

- Upgrade for coextruded A/B/A sheet
- Inline PE lamination
- Inline sheet inspection system
- Inline edge trim recycling system (from the mill directly to premixing)

For more information about SHEET LINES follow the link

EXTRUSION LINES – ENGINEERED TO PERFORM

Engineered to perform.

SML – the leading manufacturer of high-end extrusion lines

- Cast film lines
- Sheet lines
- Coating and laminating lines
- Spinning lines
- Winding technology

SML – Headquarters / Production site
Gewerbepark Ost 32
4846 Redlham
Austria
Phone: +43 7673 90999
E-mail: sml@sml.at
www.sml.at

Locations / Service units
Malaysia · China · USA · Brazil

www.sml.at

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