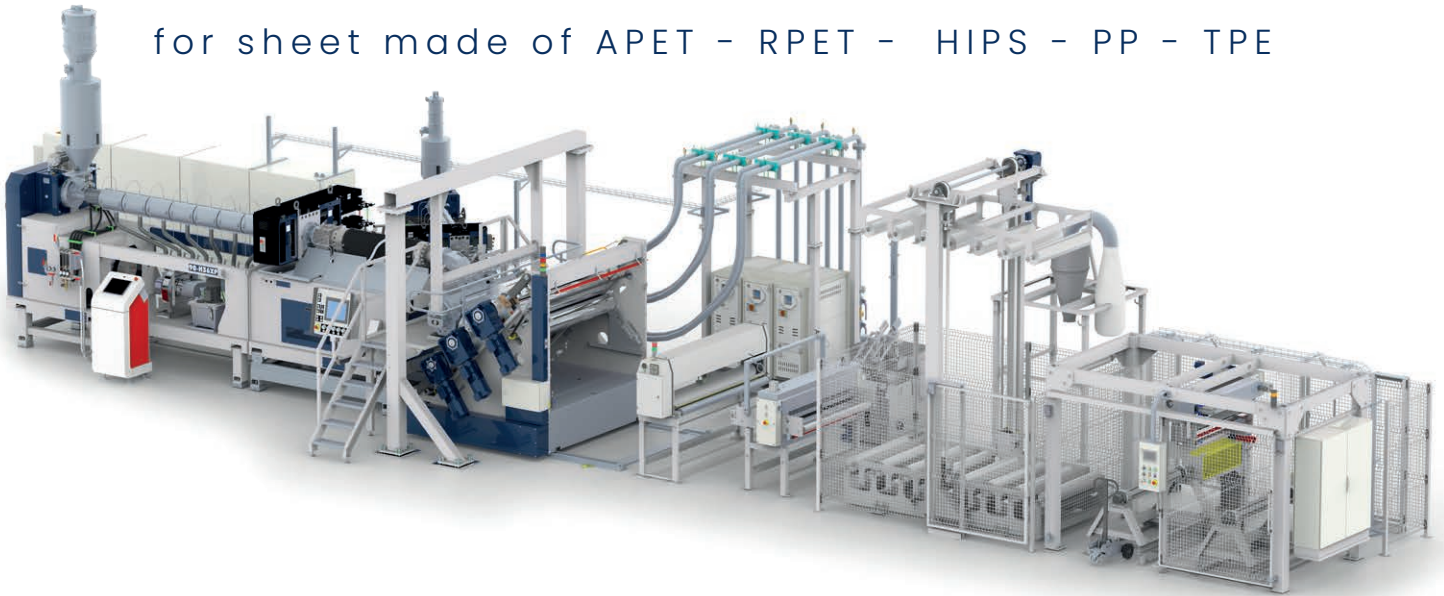


Extrusion lines

for sheet made of APET - RPET - HIPS - PP - TPE



RIGID PACKAGING

PET (100% PCR with FDA/EFSA certification), PP, (HI)PS, PLA, BIO, PE,....



INDUSTRIAL

HDPE, LDPE, PP, PVB, PBI, PA,....



CARPET BACKING

TPE, TPR, TPO, TPU, PVB, PBI,

KEY ADVANTAGES

- 1 Increased output with smaller sized extruders.**
Improved by 20% - 100%
- 2 Increased energy efficiency**
By 10 - 65 % per kilogram of produced product
- 3 Optimal processing with regrind/recycled material**
Up to 100% regrind
- 4 Possibility to produce monolayer FDA/EFSA approved food grade PET sheet**
Produce "tray-to-tray" and/or 100% regrind from bottle flakes
- 5 Reduced polymer degradation/limited IV drop**
Low friction extruder which results in less material degradation.
- 6 Stable pressure at higher outputs**
Minimal flow and pressure fluctuations
- 7 Multiple materials with same screw and barrel design**
No need to change the screw when changing the raw material

MAIN EXTRUDERS

75-H34

75-H34P

90-H36

90-H36P⁵

Output 1 Main Extruder	Kg/hr. PS	600 – 650	700 – 800	900 – 950	1.000 – 1.250
	Kg/hr. PP	500 – 550	600 – 700	800 – 900	900 – 1.000
	Kg/hr. PET	650 – 750	750 – 850	800 – 900	950 – 1.250
Main motor		90 kW	110 kW	160 kW	200 – 250 kW
Energy efficiency		0.16 – 0.23 kWh/kg		0.18 – 0.23 kWh/kg	
Calandar	Position	Thickness range		Position	Thickness range
	Inclined	≤ 1.9 mm		Inclined	≤ 1.9 mm
		≤ 1.2 mm (PET)			≤ 1.2 mm (PET)
	Vertical	≥ 0.4 mm (inline)		Vertical	≥ 0.4 mm (inline)
		≤ 1.9 mm			≤ 1.9 mm
	Horizontal ²	≥ 1.2 mm (PET)		Horizontal	≥ 1.2 mm (PET)
Min. sheet thickness	Material ³	Rigid		Material	Rigid
	PS	0.18 – 0.20 mm		PS	0.18 – 0.20 mm
	PP	0.30 mm		PP	0.30 mm
	PET	0.16 – 0.18 mm		PET	0.16 – 0.18 mm
Density reduction foamed sheet⁴		10 – 30%		10 – 30%	
Diameter screw		75 mm		90 mm	
L/D ratio		34:1		36:1	
Screen changer		Continuous hydraulic double plate		Continuous hydraulic double plate	
Thickness measurement system		Optional		Optional	
Automatic die		Optional		Optional	
Line speed extrusion line (calander & winder)		up to 85 meter/min.		up to 85 meter/min.	
Winding systems	Type	Max. ø roll (mm)		Type	Max. ø roll (mm)
	A-Frames	1200 / 1600 / 2000		A-Frames	1200 / 1600 / 2000
	Turret	1200		Turret	1200
	Cantilever	600 – 800		Cantilever	600 – 800
IV measurement system for PET		Optional		Optional	
Industry 4.0		Optional		Optional	
Total length (indication)		6 – 20 meters for sheet ≤ 1.9 mm		9 – 25 meters for sheet ≤ 1.9 mm	
		6 – 35 meters for sheet > 1.9 mm		9 – 35 meters for sheet > 1.9 mm	
Co-extrusion		up to 5		up to 5	



We produce the most energy-efficient sheet extrusion lines for film and sheet available on the market!

CO EXTRUDERS

35-H34

50-H34

Output 1 Extruder	Kg/hr. PS	100 – 150	200 – 250
	Kg/hr. PP	100 – 125	150 – 200
	Kg/hr. PET	100 – 150	200 – 250
Main motor		22 kW	45 kW
Energy efficiency		0.18 – 0.23 kWh/kg	
Diameter screw		35 mm	50 mm
L/D ratio		34:1	34:1
Screen changer		Manual	Manual/ Continuous

1. For other materials (for example PA/PE/PLA/Bio/TPE/TPU) and their respective output, please consult MEAF Sales Team;
2. MEAF advises for thicker PET a horizontal calander. It is still possible to run thinner sheet on a horizontal calander as well;
3. Other materials (minimum) sheet thickness can be provided on request;
4. Larger density reductions to be discussed in consultation between Customer and MEAF;
5. Larger screw&barrel diameters for higher outputs on request.