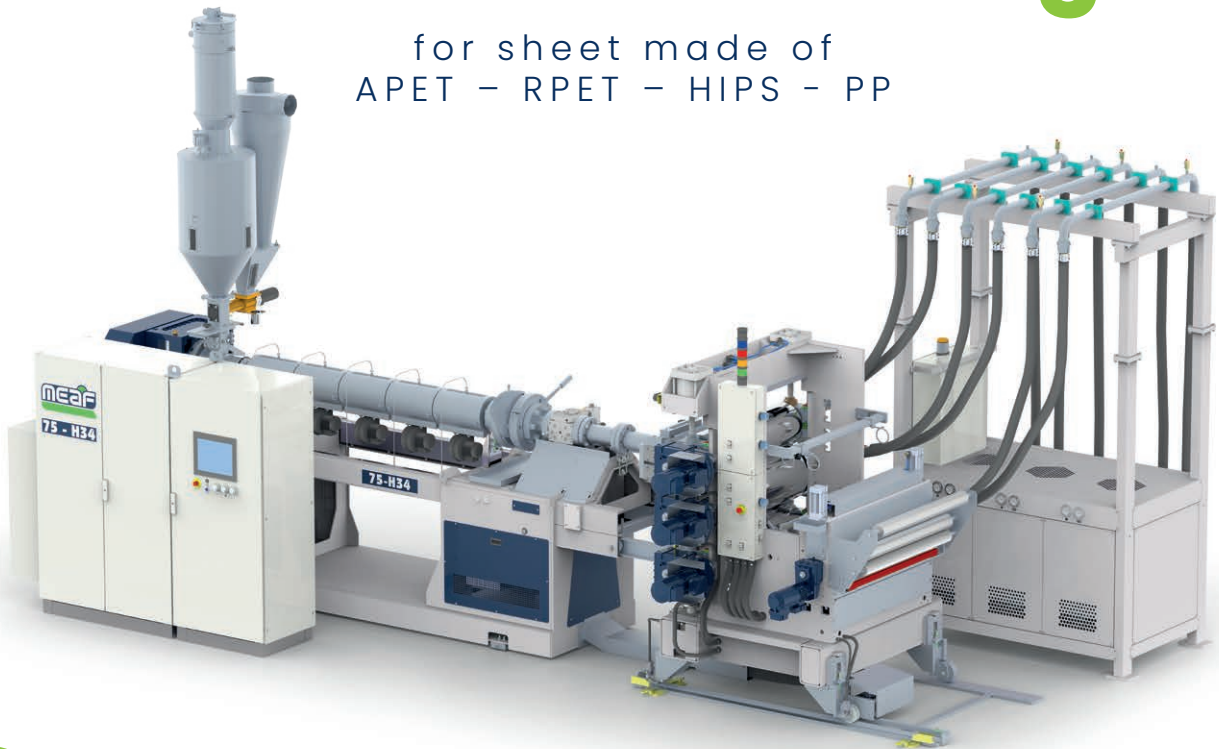


Inline extrusion for thermoforming

for sheet made of
APET – RPET – HIPS – PP



RIGID PACKAGING

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



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 Constant product quality and increased production volumes (cycles/min.)**
Realised through directly feeding of sheet in the thermoforming machine
- 4 Possibility to produce monolayer FDA/EFSA approved food grade PET sheet**
Produce "tray-to-tray" and/or 100% regrind from bottle flakes
- 5 Increased production efficiency**
Improved process due to direct feeding of the sheet into the thermoforming machine
- 6 Less foreign materials and dust will enter the production process**
Integrated skeletal waste refeed system ensures maximum production with smaller chance of contamination and without separate mixing
- 7 Multiple materials with same screw and barrel design**
No need to change the screw when changing the raw material

MAIN EXTRUDERS		75-H34 Economic		75-H34P		75-H34		90-H36		90-H36P	
Output 1 Main Extruder	Kg/hr. PS	600 - 650	700 - 800	700 - 800	900 - 1000	1000 - 1100					
	Kg/hr. PP	500 - 550	600 - 700	800 - 900	900 - 1000						
	Kg/hr. PET	N/A	N/A	700 - 750	800 - 900	950 - 1,050					
Main motor	90 kW	110 kW	110 kW	160 kW	200 kW						
Energy efficiency	0.16 - 0.23 kWh/kg	0.16 - 0.23 kWh/kg	0.16 - 0.23 kWh/kg	0.18 - 0.23 kWh/kg	0.18 - 0.23 kWh/kg						
Calandar	Vertical	Vertical	Inclined	Inclined	Inclined						
Thickness range	PS: 0.4 - 1.9mm	PS: 0.4 - 1.9mm	PS: 0.20 - 1.9 mm	PS: 0.2 - 1.9 mm	PS: 0.2 - 1.9 mm						
	PP: 0.40 - 1.9mm	PP: 0.40 - 1.9mm	PP: 0.30 - 1.9 mm	PP: 0.30 - 1.9 mm	PP: 0.30 - 1.9 mm						
	PET: 0.18 - 1.2 mm	PET: 0.18 - 1.2 mm	PET: 0.18 - 1.2 mm	PET: 0.18 - 1.2 mm	PET: 0.18 - 1.2 mm						
Density reduction foamed sheet	N/A	10 - 30%	10 - 30%	10 - 30%	10 - 30%						
Diameter screw	75 mm	75 mm	75 mm	90 mm	90 mm						
L/D ratio	34:1	34:1	34:1	36:1	36:1						
Screen changer	Manual	Manual/ Continuous	Manual/ Continuous	Manual/ Continuous	Manual/ Continuous						
Touch screen	In cabinet	Moveable arm near die-head	Moveable arm near die-head	Moveable arm near die-head	Moveable arm near diehead						
Line speed extrusion line (calander)	Up to 30 meter/min.	Up to 30 meter/min.	Up to 30 meter/min.	Up to 30 meter/min.	Up to 30 meter/min.						
Industry 4.0	Option	Option	Option	Option	Option						
Total length (indication)	6.5 meter	6.8 meter	7.6 meter	8.6 meter	9.6 meter.						
Co-extrusion	Up to 3 layers	Up to 3 layers	Up to 3 layers	Up to 3 layers	Up to 3 layers						

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 such as PLA or Bio and their respective output, please consult MEAF Sales Team;

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