CENTRE EUROPÉEN DES TEXTILES INNOVANTS

SpunlaidPilot Line
RESINS PREPARATION

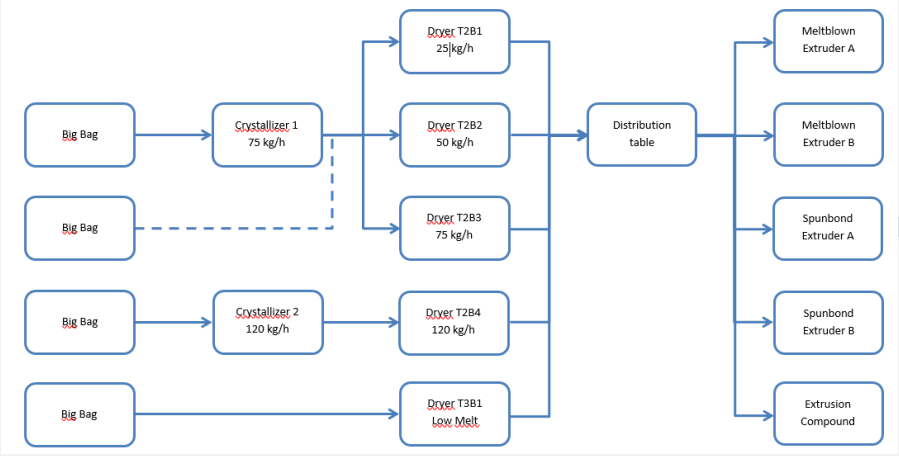
Crystallising	
Volume	200 liters
Temperature	Up to 180°C
Capacity	75 and 120 kg/h
Downstreamequipment	Spunbond Meltblown Compound

Dryers				
Volume (liters)	200	400	600	800
Total dry air	Upto 600m³/h			
Dewpoint	-35°C			
Capacity(kg/h)	25	50	75	120
Downstreamequipment	Spunbond Meltblown Compound			

Dryerfor specificmaterial (lowmelt...)	
Volume (liters)	1200
Total dry air	Upto 600m³/h
Dewpoint	-35°C
Capacity(kg/h)	120
Downstreamequipment	Spunbond Meltblown Compound

Dryerfor specificmaterial (lowmelt...)	
Volume (liters)	1200
Total dry air	Upto 600m³/h
Dewpoint	-35°C
Capacity(kg/h)	120
Downstreamequipment	Spunbond Meltblown Compound

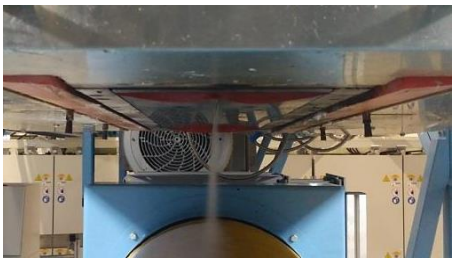
Description

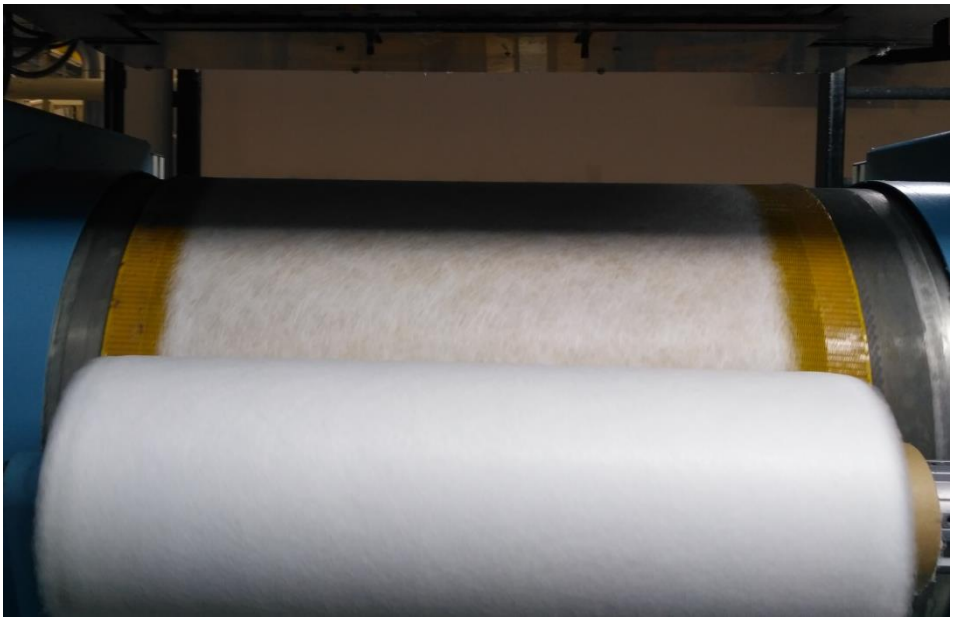


Pellettransportation made by vacuum

CENTRE EUROPÉEN DES TEXTILES INNOVANTS

Spunlaid Pilot Line
MELTBLOWN





Technical data	
Working width	500 mm
Production speed	From 8 to 150 m/min
Extrusion temperature	From 180 to 350°C
Throughput	Up to 25 kg/h in PET
Polymer ratio	From 80/20 to 50/50
Filament diameter	From 0,7 to 20 µm
Polymers	PET, PA, PP, PE, PLA…
Web weight ranges	2 to 100 g/m²
Polymer grade	> 400 g/10min

Cross section

Monocomponent	Bicomponent	
		
Round	*Sheath/Core*	*Side by side*

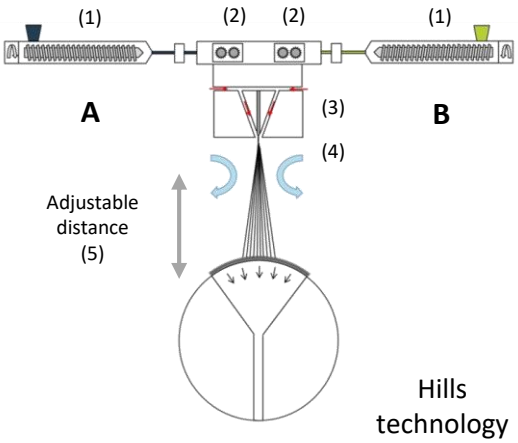
Movable platform

The meltblown platform can be used inline to combine with the spunbond equipment


Meltblown nonwoven web (SEB)

Polymer preparation and bonding equipment	
Polymer preparation	Complete installation of crystallizing, drying and pneumatic conveying for the raw material.
Post-treatment equipment	Smooth Calender

Other data



Hills technology

Extruders (1)	A : 1" ½ - L/D ratio = 30:1 B : 1" ¼ - L/D ratio = 30:1
Melt Pumps (2)	A : 8 cc/rev B : 8 cc/rev
Air heater temperature (3)	Up to 300°C
Air speed (3)	Up to 600 m/sec
Air gap (3)	0,01", 0,025" or 0,04"
Spinneret hole density (4)	35 holes per inch
Hole diameter (4)	0,25mm
Distance die to collector (5)	From 10 to 1000 mm