

Equipment list Pre-Treatment

Sorting line

Number	Description					
1	Conveying equipment				598 kW	
2	Machinery		Working width	Installed power	Total power	Number
		Autom. dewiring		30 kW	60 kW	2
		Bale opener/ Pre-shredder		150 kW	300 kW	2
		Buffer/ Dosing unit		11 kW	44 kW	4
		Suspension magnet	1,4 m	9 kW	36 kW	4
		Magnet head pulley	1,4 m	2 kW	8 kW	4
		Eddy-current system	2,0 m	11 kW	0 kW	0
		Drum screen	2,5 m	22 kW	88 kW	4
		Windsifter	1,4 m	40 kW	161 kW	4
		NIR LDPE rougher 1	2,8 m	18 kW	72 kW	4
		NIR LDPE rougher 2	2,0 m	18 kW	72 kW	4
		NIR LDPE natural	2,0 m	18 kW	72 kW	4
		NIR LDPE flex cleaner 1	1,4 m	18 kW	36 kW	2
		NIR LDPE flex cleaner 2	1,4 m	18 kW	36 kW	2
		NIR PP film rougher	1,4 m	18 kW	72 kW	4
		NIR PP film cleaner	1,4 m	18 kW	36 kW	2
		NIR Scavenger	2,0 m	18 kW	36 kW	2
		NIR PO new rougher	2,0 m	18 kW	18 kW	1
		NIR PE rougher	1,4 m	10 kW	10 kW	1
		NIR PP rougher	1,4 m	10 kW	10 kW	1
		Bale press without wires		100 kW	300 kW	3
		Bale press		150 kW	150 kW	1
		Container press		11 kW	11 kW	1
		Containers				3
		Dust filter (Hall)		60 kW	60 kW	1
		Compressor unit		700 kW	700 kW	1

Estimated installed power (excl. Options)
2.986 kW
Option 1: Overbelt magnet

1	Conveying equipment				4 kW	
2	Machinery			Installed power	Total power	Number
		Suspension magnet	1,4 m	9 kW	18 kW	2

Option 2: Holy grail-technology

1	Conveying equipment				12 kW	
2	Machinery			Installed power	Total power	Number
		Holygrail-technology 1	2,8 m	18 kW	72 kW	4
		Holygrail-technology 2	2,0 m	18 kW	36 kW	2

Estimated installed power (incl. Options)
3.129 kW

Equipment list Pre-Treatment

Washing line

Tier 1

1	Conveying equipment				400 kW	
2	Machinery			Installed power	Total power	Number
		Pre-shredder		180 kW	540 kW	3
		Buffer silo (30 m³ each)		15 kW	58 kW	4
		Pre-washer		22 kW	88 kW	4
		Grinder		200 kW	800 kW	4
		Friction washer		30 kW	120 kW	4
		Dewatering centrifuge		90 kW	360 kW	4
		Sand classifier		1 kW	2 kW	4
		Mechanical Filtration (all lines)		42 kW	189 kW	4,5
		Chem. - Phys. Water treatment		53 kW	79 kW	1,5
		Hot washer + Rinsing washer		48 kW	192 kW	4
		Lye preparation		174 kW	523 kW	3
		Hot water heat generation (electric)		560 kW	2.240 kW	4
		Dewatering centrifuge		90 kW	360 kW	4
		Density separation		90 kW	360 kW	4
		Dewatering centrifuge		132 kW	528 kW	4
		Thermal dryer		37 kW	148 kW	4
		Electric heating		280 kW	1.120 kW	4
	Chemical storage					1
	Dust filter			124 kW	124 kW	1
	Odor filter			83 kW	83 kW	1

Estimated installed power
8.313 kW

Equipment list
Pre-Treatment

Extrusion

1	Conveying equipment				180 kW	
2	Machinery			Installed power	Total power	Number
		Buffer silo		15 kW	44 kW	3
		Extruder rPE natural + rPP-film (Intarema 1512)		625 kW	1.249 kW	2
		Refresher 1100		187 kW	375 kW	2
		Extruder rPE flex (Intarema 2018)		1.400 kW	1.400 kW	1
		Refresher 2800		443 kW	443 kW	1
		Cooler / Chiller		396 kW	396 kW	1
		Cooling silo		/		3
		Production silo (Mixing function)		22 kW	132 kW	6
		Storage silo		/		4
		Big Bag station		2 kW	4 kW	2

Estimated installed power4.224 kW

Estimated total installed power without spare15.523 kW