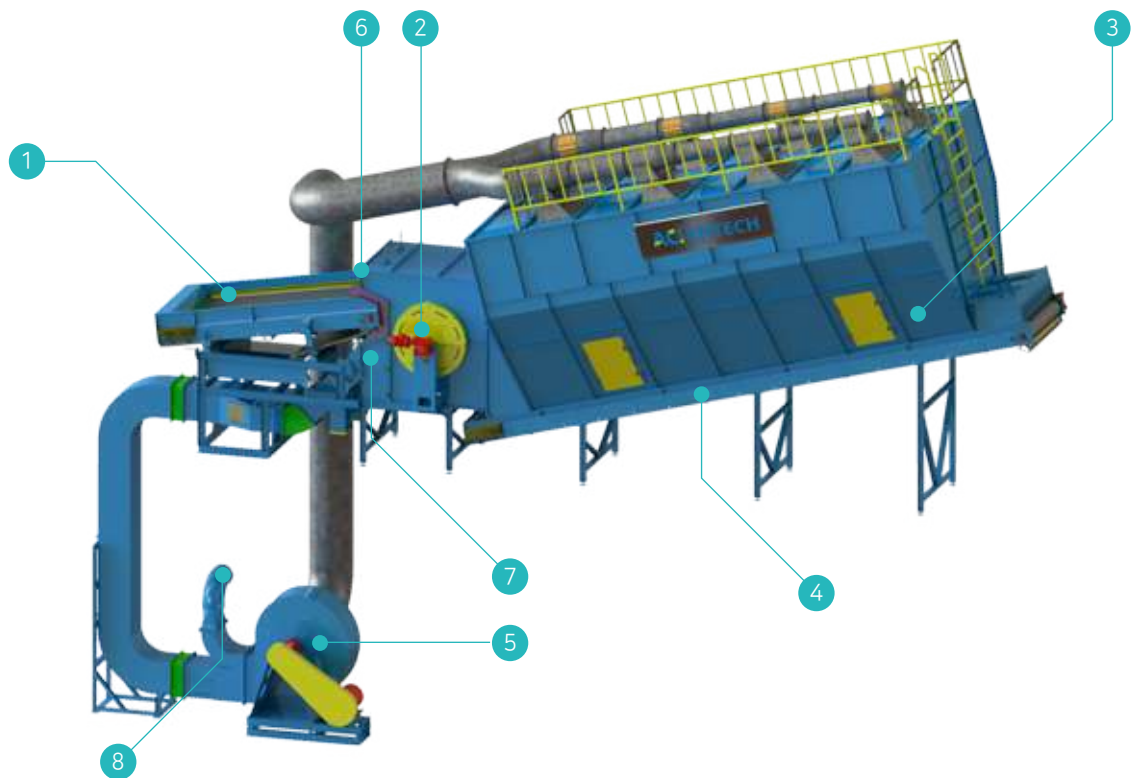


04 Air Shifter

Air Blowing System to Separate Light Material from Heavy Material Successful Separation achieved by Controllable Air Blowing System

ACI ENTECH Air Shifter is to separate Light Material from Heavy Material by the Air Blowing System. Thanks to the air volume and speed control, the separator can achieve the high separation efficiency. The Bag filter purifies the sorting air before discharging it from the system. Moreover, the air circulation device not only minimizes the dust emission but also save energy by returning the used air stream into the blower.



- | | | |
|---------------------|-------------------------------------|----------------------|
| ① Input Conveyor | ④ Light Material Discharge Conveyor | ⑦ Air Blowing Nozzle |
| ② Separation Drum | ⑤ Air Circulation Blower | ⑧ Bag Filter |
| ③ Expansion Chamber | ⑥ Air Circulation Duct | |

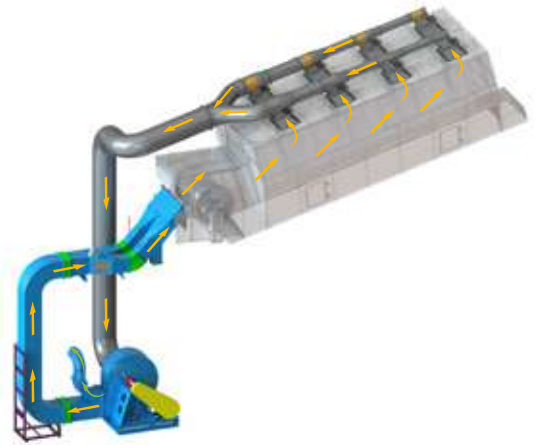
Applications

- Material Recovery Facility(MRF)
- Mechanical Biological Treatment Facility(MBT)
- Wood Waste Sorting Facility and Paper Sorting Facility
- SRF Second Sorting Facility(Cement Kiln and SRF Combustor)

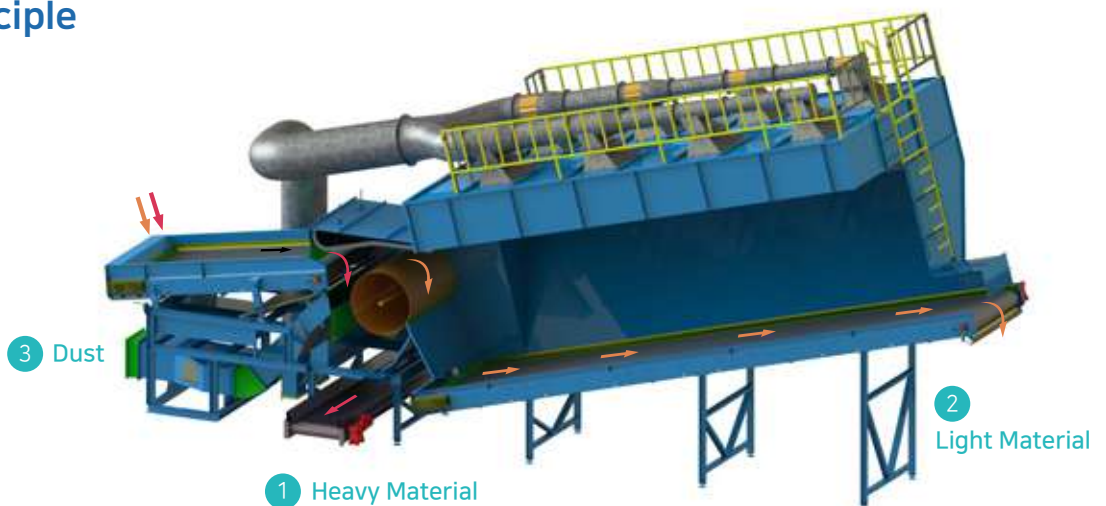
Features & Advantages

Air Circulation System – Dust Free Operation

- Minimized Dust Emission
- Discharged air purified by Bag Filter



Working Principle



- 1 **Heavy Material** - Sorted by air separation(e.g. Glass bottle, Pottery, Metal piece)
- 2 **Light Material** - Sorted by air separation(e.g. Plastic film, Paper, Textile)
- 3 **Dust** - Bag Filter purifies the air before discharging

Technical Data

		ACI-AS-700	ACI-AS-1000	ACI-AS-1200	ACI-AS-1400	ACI-AS-1600	ACI-AS-1800	ACI-AS-2000
		* Standard Density: 0.06ton/m ³						
Capacity		80m ³ /hr 8.0ton/hr	115m ³ /hr 11.5ton/hr	138m ³ /hr 13.8ton/hr	161m ³ /hr 16.1ton/hr	184m ³ /hr 18.4ton/hr	207m ³ /hr 20.7ton/hr	230m ³ /hr 23.0ton/hr
Power Consumption		16.75kW	22.7kW	31.5kW	41.0kW	51.0kW	65.2kW	
Power Supply		380-400V, 50/60Hz						
Dimension	W	2,500mm	3,050mm		3,880mm		4,380mm	
	L x H	12,755 x 5,340mm						

* Depending on properties and bulk densities of input materials, the abovementioned capacity may vary
* The specifications can be modified for the quality improvement