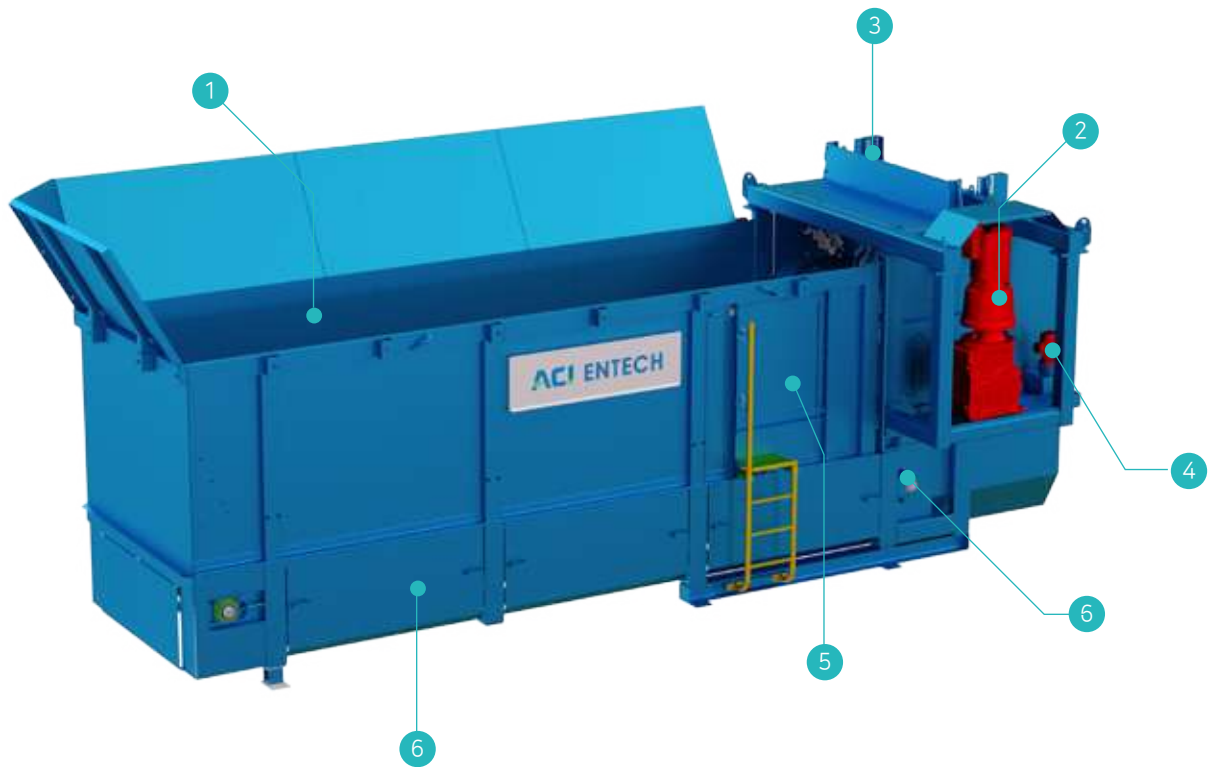


01 Bag Splitter

Machine for waste bag splitting and continuous feeding

Various sizes of waste bags to be split

ACI ENTECH Bag Splitter is to split the collected waste bags fed by wheel-loader with several rotating knives mounted on the rotor and make the materials broken into proper sizes for sorting. The bag splitters are often installed in the waste feeding section of MRF (Material Recovery Facility) to split the waste bags and supply them to the sorting machines continuously and evenly. It facilitates the smooth process flow of the sorting line.



- | | | |
|--------------------|---------------|-------------------|
| 1 Bunker | 3 Fixed Knife | 5 Inspection Door |
| 2 Main Drive Motor | 4 Rotor | 6 Chain Conveyor |

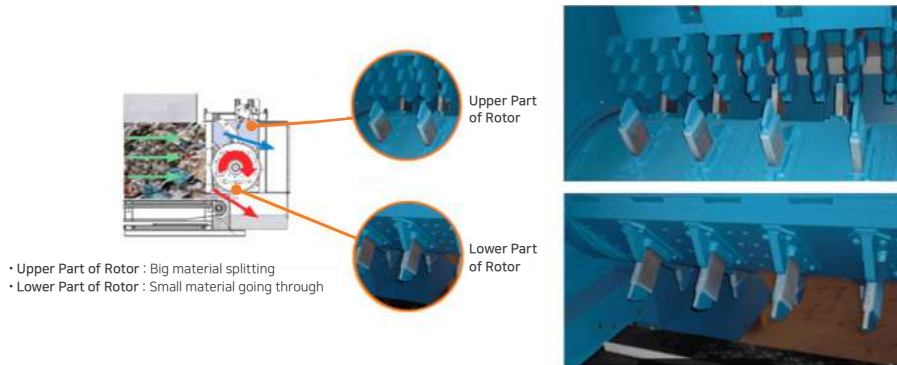
Applications

- MRF (Material Recovery Facility)
- Facility which needs bag splitting, shredding and evenly supplying the waste materials (MRF's Waste Feeding Section)
- Feeding Controller at waste wood recovery facility

Features & Advantages

- Bag split rate at around 95%, Overload protection system
- High splitting rate of plastic bags inside plastic bags
- Light weight packaging containers and household wastes
- Large hopper and controlled volume discharge with high efficiency splitting system
- Jamming protection by string, wire, long film

Working Principle



Height-adjustable fixed knife

- Increased bag splitting ratio due to height adjustable fixed knife located at upper part
- Fixed knife and Rotation knife made out of special material guarantee the long lifetime
- Minimum shutdown rate with easily replaceable knife

Shock absorber for Impact

- Installed at the fixed knife body relieves the impact from the shredder
- Damage prevention from mechanical impact
- Cost reduction through nitrogen filling repair method

Retractable Rotation Knife

- Knife pushes out at waste bunker part
- Knife retracts at the back of the bunker part

Various Capacities and Models

- High capacity bunker applies to low density waste
- Automatic cleaning device applies to polluted waste

Technical Data

	SR IV K IV 1800/2000	SR III K IV 1250/1500	SR III K III 1250/1500
Throughput	10-50t/h	10-25t/h	10-13t/h
Bag Splitting Rate	96%	96%	96%
Electric Power	380-400V, 50/60Hz		
Electricity Consumption	25/30kW	17/18kW	15/18kW
Bunker Capacity	21m ³ - 40m ³	21m ³ - 40m ³	1.5m ³ - 50m ³
Operation Range	1,800/2,000 mm	1,250/1,500 mm	1,250/1,500 mm
Rotor Type	SR IV	SR III	SR III
Cutting Comb Type	KIV	KIV	KIII
Waste Type	• recycle waste • household waste • industrial waste • paper/cardboard • municipal solid waste		
Density	40-400kg/m ³	40-300kg/m ³	60-80kg/m ³

* Standard Density: 0.06ton/m³

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