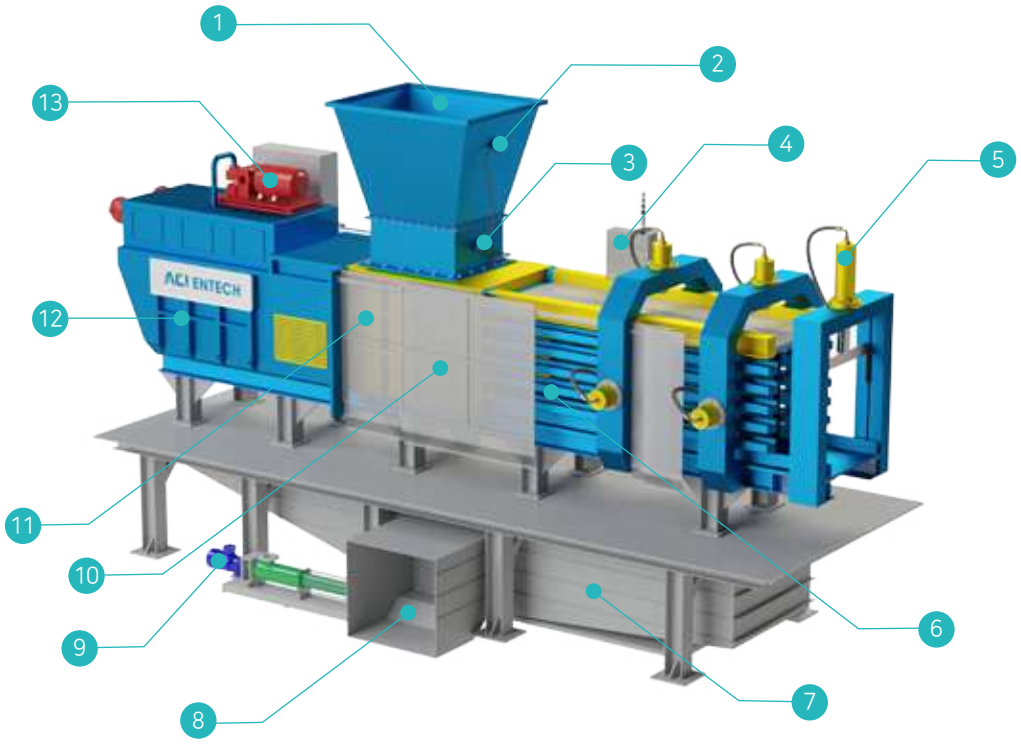
# 11 Compacting Dehydrator

Dehydrator for Comingled MSW at Tropical Area and Water washed fineshred plastic film

## Best applicable for wet MSW dehydration before W2E

ACI ENTECH Dehydrator is equipped with the press plate and the push cylinder powered by hydraulic unit. This squeezes the liquid out from the waste. Wastes are fed to the hopper by feeding conveyor. When a certain level of the waste is detected by the hopper level sensor, it presses the waste to make the leachate squeezed out. Leachate is gathered in the tank located at the bottom of the Dehydrator while the compacted wastes are loosened by the decompactor and move to the next process. The equipment is operated by PLC panel mounted on the side.



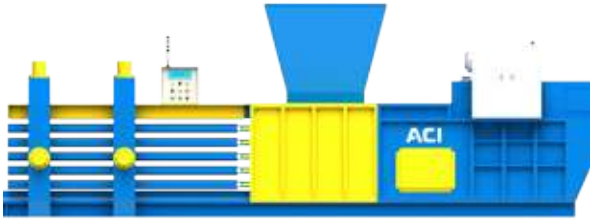

1. Feeding Hopper
2. High Level Sensor
3. Low Level Sensor
4. Control Panel
5. Decompactor
6. Channel
7. Leachate Tank
8. Maintenance Hatch
9. Leachate Pump
10. Shutter
11. Press Chamber
12. Cylinder Part
13. Hydraulic Powerpack

## Application

- Comingled Municipal Solid Waste with high Moisture Content
- Paper Waste with high Moisture Content
- Pulper Sludge from Papermill
- SRF Consumer

## Features & Advantages

- Touch Screen with PLC system
- Failure prevention by control system
- Stamping pusher applied for decompacting
- Easy to take out leachate
- East to clean and maintain


## Technical Data

* Standard Density: 0.06ton/m³

| | ACI CD 150 | ACI CD 100 |
|---|---|---|
| Capacity | 30tph | 20tph |
| Electrical Power | 130kW | 100kW |
| Power Consumption | 75kW x 6Ph & 55kW x 6Ph | |
| Pressure Force | 1,200kN(Normal) / 1,500kN(Max) | 850kN(Normal) / 1,100kN(Max) |
| Cycle Time | 21sec | 27sec |
| Pressure | 230bar(Normal) / 300bar(Max) | 200bar(Normal) / 270bar(Max) |
| Dimension(L x W x H) | 9,000 x 2,420 x 2,360mm | |
| Hopper Size(L x W x H) | 1,520 x 850 x 1,150mm | |

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