

LEAD RECYCLING PLANT

AUTOMATIC BATTERY BREAKER AND SEPARATOR



Aswathi Industries Limited

Key Features:

- **Zero Liquid Discharge.**
- **Automatic Lead Grid Separation.**
- **2 Stage Hydro Separation System.**
- **Acid Neutralization & Desulphurization**



BHS LEAD ACID BATTERY RECYCLING

The concept of Battery Crusher is to break the battery into pieces by means of closed chamber by impact of rotating Hammers where as Hydro separation is separation of metallic lead, plastics & heavy plastic by sink & float principle. BHS is designed to handle the Acid drained batteries, are feed to Battery Crusher through feeder belt conveyer where they are crushed into pieces. The crushed material mixture is discharged to Primary Vibrating Screen through Discharge Screw Conveyer. Water Spray is provided at Hammer mill to maintain the temperature of the crusher due to high friction, for safe operation.

TWO Stage Vibrating screen is provided with specially designed Wedge Panel, which provide very good washing quality .Special spray nozzles are provided to ensure the complete washing of metallic ,Plastic parts and separators . 2 stage Hydro separation unit segregate metallic parts, Plastic and Lead grids .

Reaction Tank is Provided with agitator for **desulphurization** and Provide salt recovery system as per customer requirement. System equipped with inbuilt **Acid Neutralization System** and provide **Zero Discharge Mechanism** Battery Recycling. Acid Flue gas creating during breaking is treated in scrubber and the cleaned air is discharged thr' exit duct from Scrubber. Further acidic water is treated at neutralisation section & water is recycled. .

Metal Detectors // Automatic Vibro Feeding// Furnace changing Scoops // MS and SG Ladles

Specification

Capacity : 3MTH/5MTH/10MTH/16MTH

Voltage : 380V,400V,415V,480V

Frequency : 50HZ, 60 HZ

Max Battery Size (LXWXH) : 600x450x450 mm

Equipment MOC : MS, SS316,SS304

Electric Load : 200 /250/275 /350 KW

Water Require : 1.5 KLD/2 KLD/3KLD

Shed Dimension : 10m (H) x15m(W) *

Space Required : 814m² (22mX37m)*



* Actual dimension will be confirm as per Layout and capacity

**FOR ORDER
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