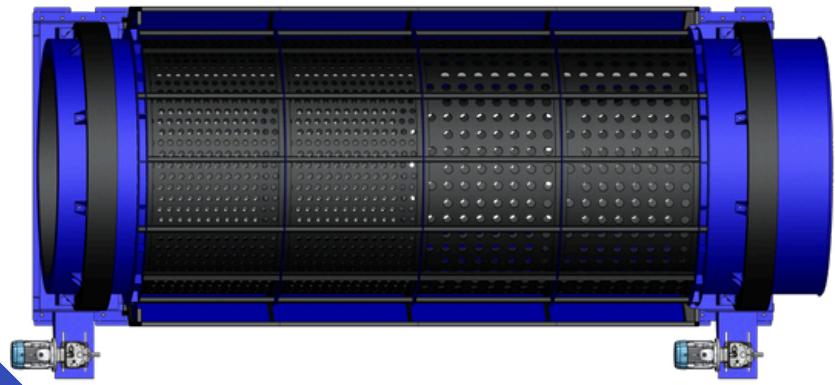
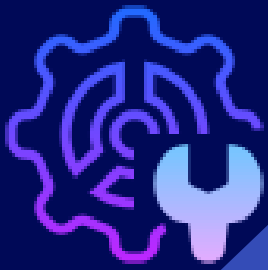
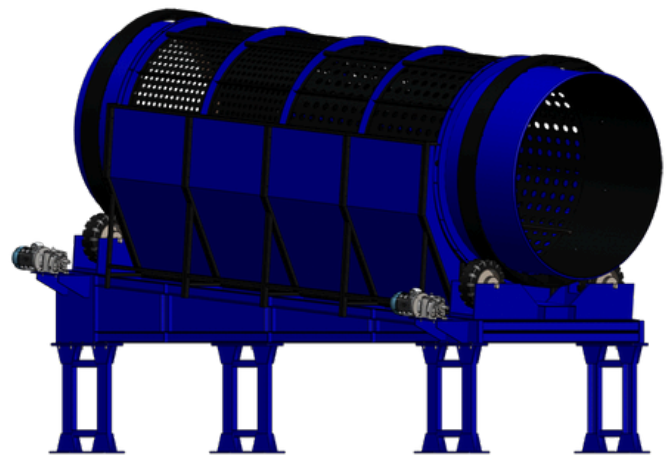




Reliable Machines for
Sustainable Waste Handling

**MECH WASTE
SOLUTIONS**



MSW & MATERIAL HANDLING EQUIPMENT

Engineering Advanced Waste Sorting & Processing Systems

Contact :



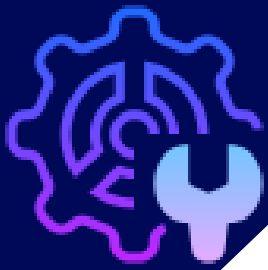
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www.mechwaste.com



About Mechwaste

Founded in 2026 by Mr. Yogesh Solanki, Mechwaste brings together over 28 years of diversified engineering and industry experience.

For more than a decade, Mr. Solanki has been actively involved in the Municipal Solid Waste (MSW) equipment manufacturing industry, successfully delivering multiple projects across India.

Under his leadership, the company has contributed to the development and implementation of various waste management solutions, including Fresh Waste Treatment Plants, Material Recovery Facilities (MRF), and Biomining Plants. This extensive field experience has helped shape Mechwaste into a technically driven organization focused on practical and reliable engineering solutions.

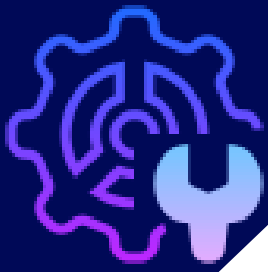
Mechwaste Solutions is an engineering-focused manufacturing company specializing in Municipal Solid Waste (MSW) management equipment, material handling systems, and food processing machinery. By combining strong technical expertise with real-world operational experience, we design and manufacture equipment that delivers efficient, reliable, and sustainable performance.

Our core strength lies in developing performance-driven machinery that meets operational requirements while complying with safety, quality, and environmental standards. Every product is designed with a focus on durability, efficiency, and ease of operation, ensuring long-term value and dependable performance for our customers.

Our Mission

To design and manufacture reliable, efficient, and innovative waste management and material handling equipment that helps industries and municipalities manage waste responsibly.

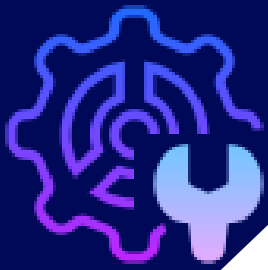
We aim to deliver high-performance engineering solutions that improve operational efficiency, support recycling, and contribute to a cleaner and more sustainable environment.



Major Clients

- **JK Cement**
- **BA Prerna Clean Earth**
- **APEX Urban India LLP**
- **Karven Infra Pvt. Ltd.**
- **Reva Process Technologies**
- **Sudhakar Infra Pvt. Ltd.**
- **H.R Square**
- **N.R.Agrawal**
- **Prudent Technologies**
- **Luthra Group**
- **Gandhidham Municipal Corporation**
- **Wastech India**
- **Proton Enviro**
- **Kolkata Municipal Corporation**
- **Shivam Construction**
- **Vicat Cement**
- **Akshat Paper**

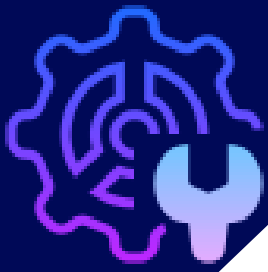
And Many More



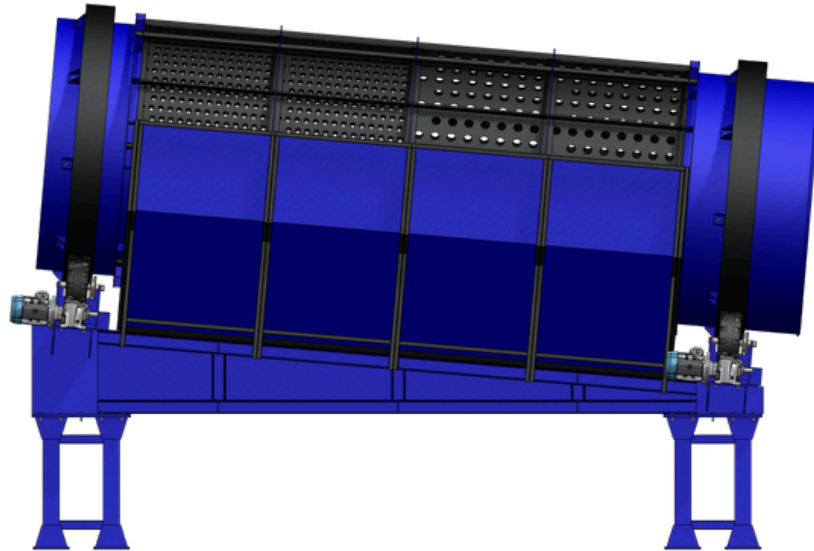
What We Offer..

- **Fresh Waste Treatment Plants**
- **Material Recovery Facilities**
- **Land Reclamation Plants**
- **Ballistic Separators**
- **Tyre Recycling Plants**
- **RDF Shredders**
- **RDF Pallating Machines**
- **Briquetting Machines**
- **Magnetic Separators (OBMS)**
- **Air Density Separators**
- **High End Wind Sifters**
- **Conveyors**
- **Material Handling Equipments**
- **Centrifugal Blowers**
- **Idlers**
- **Roasters**
- **Dryers**
- **Mixers**

And Many More....



Trommel Screens



The Mechwaste Trommel Screen is a rotating cylindrical screening machine designed to separate waste materials based on size. It is widely used in Municipal Solid Waste (MSW) processing plants, composting facilities, and biomining projects.

The rotating drum with perforated holes allows smaller particles such as organic waste and soil to pass through while larger materials move forward for further sorting.

Key Features

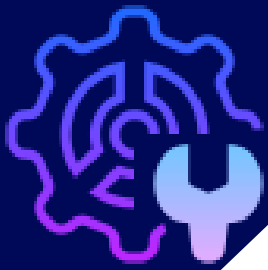
- Heavy-duty rotating drum design
- Dual Drive VFD Synchronized Motors
- High screening efficiency
- Low maintenance operation
- Customizable drum size and hole diameter
- Continuous operation capability

Applications

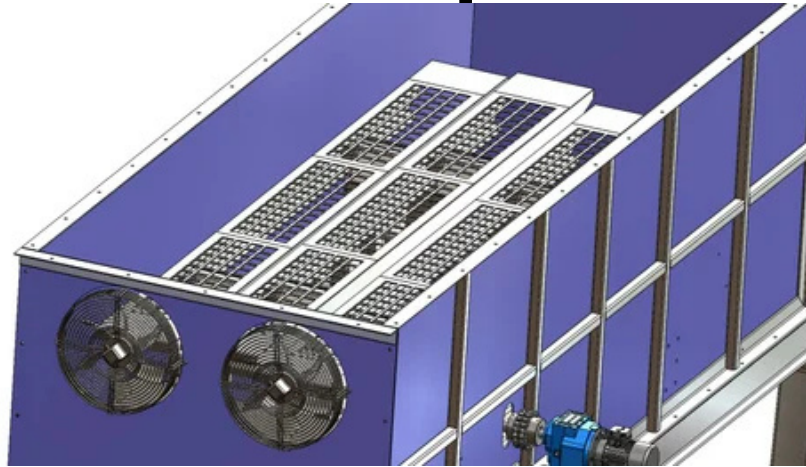
- MSW processing plants
- Composting facilities
- Biomining plants
- Construction & demolition waste processing

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Ballistic Separator



The **Mechwaste Ballistic Separator** is an advanced waste sorting machine designed to efficiently separate mixed municipal solid waste into different fractions based on **shape, size, and density**. It plays a critical role in Material Recovery Facilities (MRF), MSW processing plants, and recycling operations by improving material recovery and reducing manual sorting efforts. Using an oscillating deck mechanism, the machine separates waste into **three distinct streams**, enabling more effective downstream processing and higher recycling efficiency.

Working Principle

The ballistic separator uses oscillating paddles or inclined perforated decks that move materials in a controlled ballistic motion. This motion automatically separates waste into three fractions:

- **2D Fraction:** Light and flat materials such as paper, plastic films, and cardboard
- **3D Fraction:** Rolling and rigid materials such as plastic bottles, containers, and metal cans
- **Fine Fraction:** Small particles like organic waste, sand, and fine debris that pass through the perforated deck

This process improves the overall performance of waste sorting lines and supports efficient recycling operations.

Key Features

- Heavy-duty industrial design for continuous operation
- High sorting efficiency for mixed municipal waste
- Low maintenance and energy-efficient operation
- Adjustable deck angle and separation settings
- Robust construction for demanding waste processing environments
- Easy integration with conveyors and other sorting equipment

Applications

- Municipal Solid Waste (MSW) Processing Plants
- Material Recovery Facilities (MRF)
- Biomining and legacy waste processing plants
- Dry waste segregation plants
- Recycling and resource recovery facilities

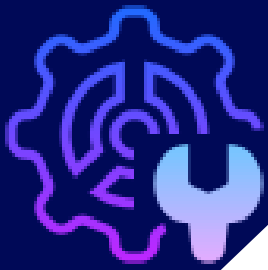
Advantages

- Improves recyclable material recovery
- Reduces manual sorting requirements
- Enhances overall plant efficiency
- Enables better separation of light, heavy, and fine materials
- Supports sustainable waste management practices

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Shredders



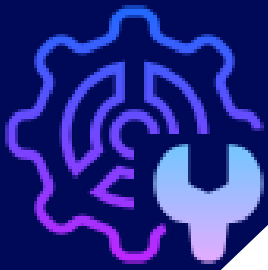
The Mechwaste Shredder is designed to reduce the size of waste materials, making them easier to process, transport, and recycle.

Key Features

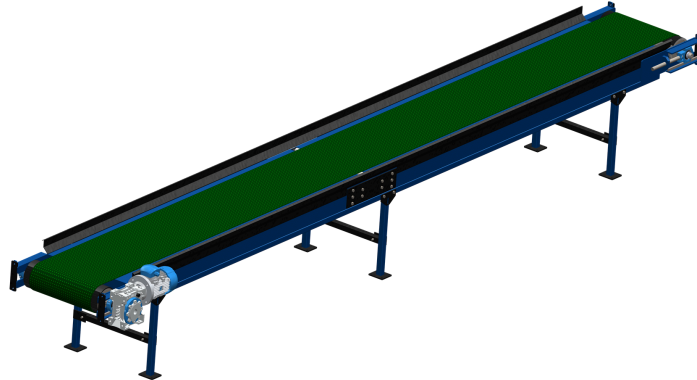
- High torque cutting system
- Single & Dual Shaft System
- Multiple Capacity
- Robust blades for heavy-duty waste
- Efficient size reduction
- Long operational life

Applications

- MSW processing plants
- Plastic and packaging waste recycling
- Biomining operations
- Industrial waste processing
- Wet Waste Processing
- Coconut Shred Processing



Conveyors



The Mechwaste Offer Wide Range of Conveyor System is designed for smooth and efficient transport of materials between different processing stages in waste management facilities.

Key Features

- Heavy-duty conveyor structure
- Smooth material handling
- Custom length and capacity
- Low maintenance operation

Belt Conveyors

- Flat Belt Conveyor
- Troughed Belt Conveyor
- Cleated Belt Conveyor
- Inclined Belt Conveyor
- Portable Belt Conveyor

Chain Conveyors

- Drag Chain Conveyor
- Slat Chain Conveyor
- Apron Conveyor

Roller Conveyors

- Gravity Roller Conveyor
- Powered Roller Conveyor
- Accumulation Roller Conveyor

Screw Conveyors

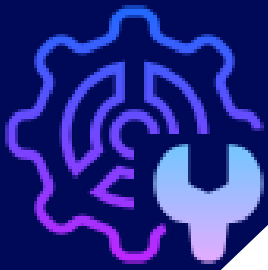
- Horizontal Screw Conveyor
- Inclined Screw Conveyor
- Vertical Screw Conveyor

Special Conveyors

- Bucket Conveyor (Bucket Elevator)
- Telescopic Conveyor

Applications

- Waste processing plants
- Recycling facilities
- Material handling systems
- Biomining projects



Wind Sifter (ADS).



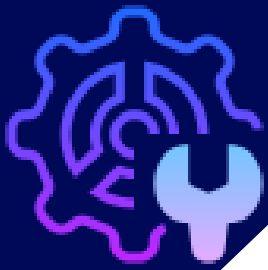
The Mechwaste Wind Sifter uses controlled air streams to separate light materials from heavier waste components. It is commonly used in MSW sorting lines to remove plastics, paper, and lightweight contaminants.

Key Features

- Efficient light fraction separation
- Adjustable air control system
- Compact and robust design
- Continuous processing capability

Applications

- MSW processing plants
- Dry waste segregation facilities
- Recycling plants



RDF Briquetting Machine



The Mechwaste Briquetting Machine converts loose waste materials into compact briquettes, making them easier to store, transport, and reuse as fuel or raw material.

Key Features

- High compression technology
- Compact and durable design
- Energy-efficient operation
- Produces uniform briquettes

Applications

- Biomass processing plants
- Recycling industries
- Industrial waste management

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