



EST. 2006

GERY RECYCLE

Premium
Quality Goods

SOLID WASTE
SORTING
SYSTEMS





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RECYCLE

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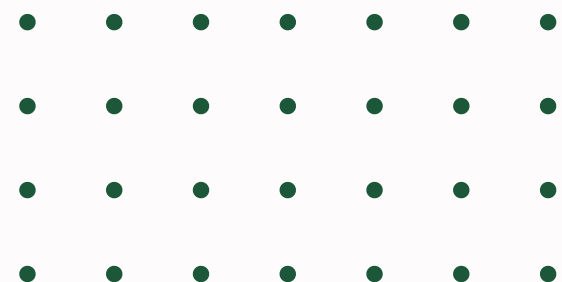
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About Us



GERY
DÖNÜŞÜM

ABOUT US

GERY MAKİNA draws its strength from its more than 5 years of experience and professional staff. Our company, which sets out from the principle that recycling is the most important resource; has a family understanding that is interlocked with all its employees. In this way, it continues to grow steadily without compromising being truthful and honest.

“Our company produces shredder, crusher, separator machines and facilities. We are proud to serve all sectors related to environmental awareness by reducing the volume of your waste, eliminating, reusing, sterilizing or transforming it into energy with the technologies we produce and offering you innovative solutions.”

OUR MISSION

Our basic mission is to be an inseparable part of the production chain in our rapidly developing world. Our company's philosophy is focused on faultless business and customer satisfaction. We achieve this goal by signing new studies and techniques, and by constantly following and transferring world technologies. At this point, the name of the GERY family is associated with quality products, customer-centered marketing, faultless business, continuous service and uninterrupted development

OUR VISION

To meet the world standards in the recycling sector, to respond to the need for speed, quality and uninterrupted development and to fill the gap in this field. To create a company that pioneers quality in products and services with its qualified human resources, is the fastest growing company in the sector and is strong in international competition.

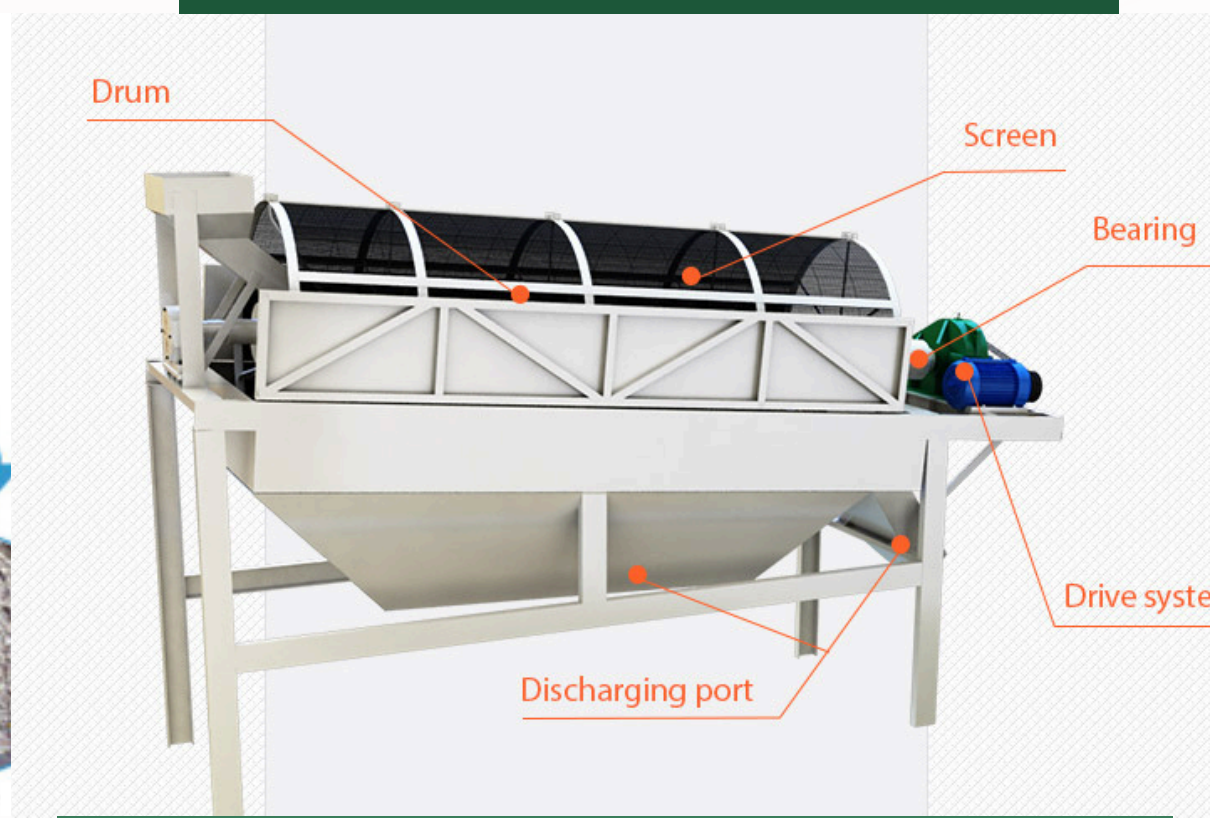
MACHINES

Baler Press



Designed to compress recyclable materials such as paper, plastic, and metals into dense, manageable bales. This process significantly reduces the volume of waste, making storage, transportation, and further processing more efficient. The baler press enhances the recycling process by ensuring materials are compact and ready for market or further refinement.

Trommel



The trommel is a rotating cylindrical sieve used to separate materials based on size. This system allows for the effective processing of various waste streams, improving the overall efficiency of the recycling and composting processes by ensuring that only appropriately sized materials move on to the next stage.

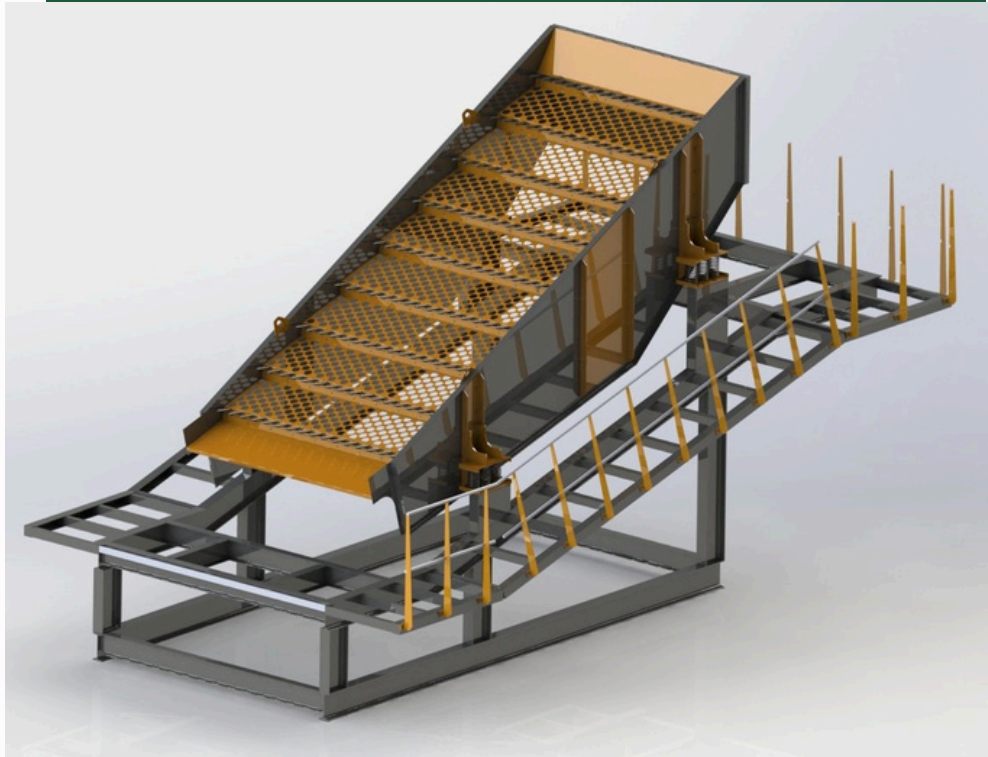
Conveyors



The conveyor system is the backbone of material handling in waste separation facilities. It transports waste materials between different processing stations, ensuring a continuous flow and optimizing the efficiency of the entire operation. Conveyors are designed to handle a wide range of materials, from lightweight plastics to heavier metals, facilitating the smooth and steady movement required for effective waste processing and sorting.

MACHINES

Ballistic Separator



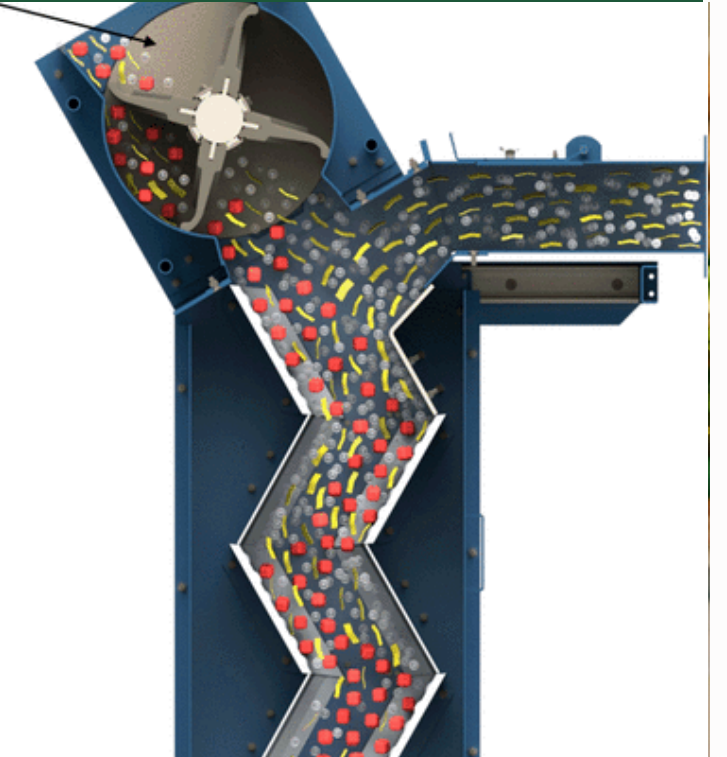
The ballistic separator is a specialized machine used to separate materials based on their physical properties, such as density, shape, and size. By using an inclined screen that oscillates, this device efficiently sorts light, flat materials like paper from heavier, rigid items like bottles or cans. The ballistic separator is vital for ensuring the purity of different waste streams, thereby enhancing the quality of the recycled products.

Static Compactor



The static compactor is a powerful machine designed to compress large volumes of waste into smaller, more manageable sizes. It is typically used in facilities where large amounts of non-recyclable waste are processed, significantly reducing the volume of waste that needs to be transported or disposed of. The static compactor helps to minimize the environmental impact and operational costs associated with waste management.

Wind Sifter



The wind sifter, also known as an air classifier, is a crucial component in the separation of light and heavy materials in a waste processing facility. Using a controlled air stream, the wind sifter effectively separates lightweight materials, such as plastics and paper, from heavier items like stones or metals. This process improves the efficiency of the waste sorting operation, ensuring that materials are accurately classified for recycling or disposal.

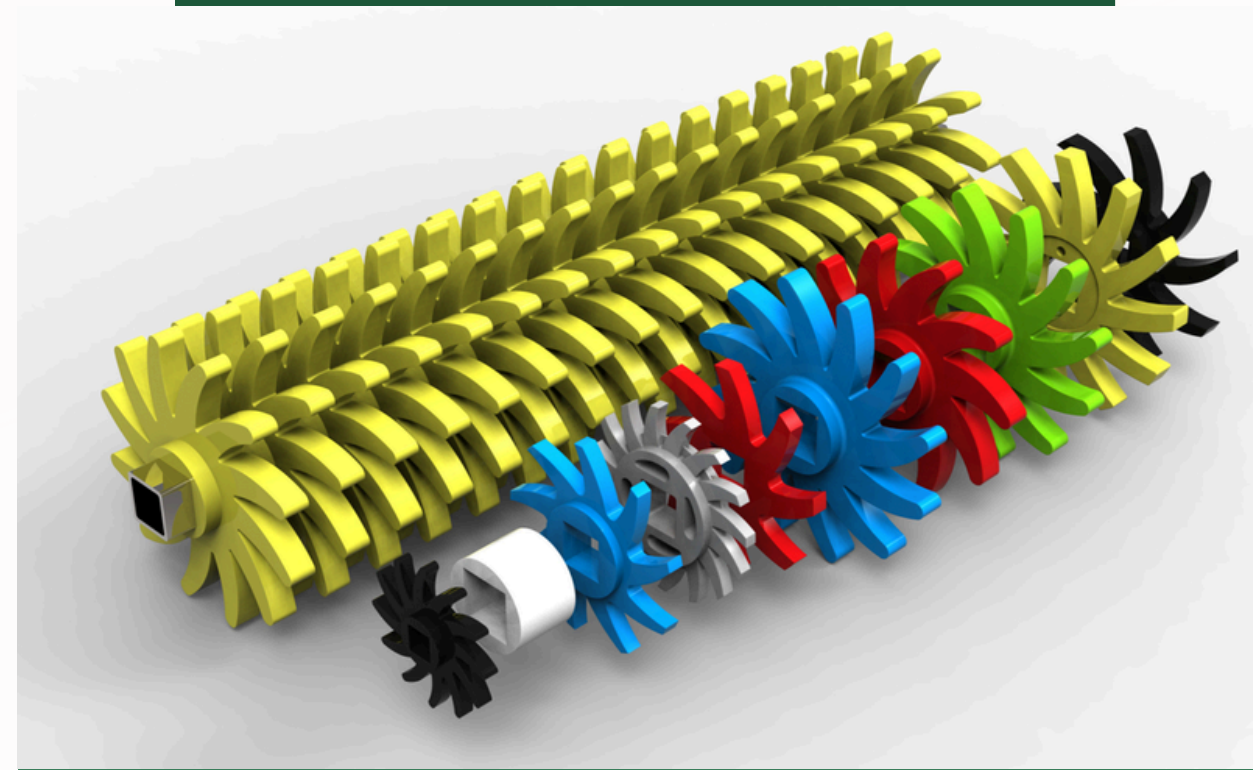
SCREENS

Finger Screen



The finger screen is a highly efficient screening technology used to separate waste materials based on size. Comprising a series of parallel, finger-like bars, the screen allows smaller particles to fall through while larger items are conveyed onward. The finger screen is particularly effective in handling difficult or sticky materials, making it an essential part of the waste separation process, where precise sorting is required.

Star Screen



The star screen is a versatile screening system used in waste separation facilities to classify materials by size. Featuring rotating star-shaped discs, this screen allows for the efficient separation of fine particles from larger waste items. The star screen is especially effective for processing organic waste, ensuring that different sizes of materials are accurately sorted, which enhances the overall efficiency of the recycling and composting processes.

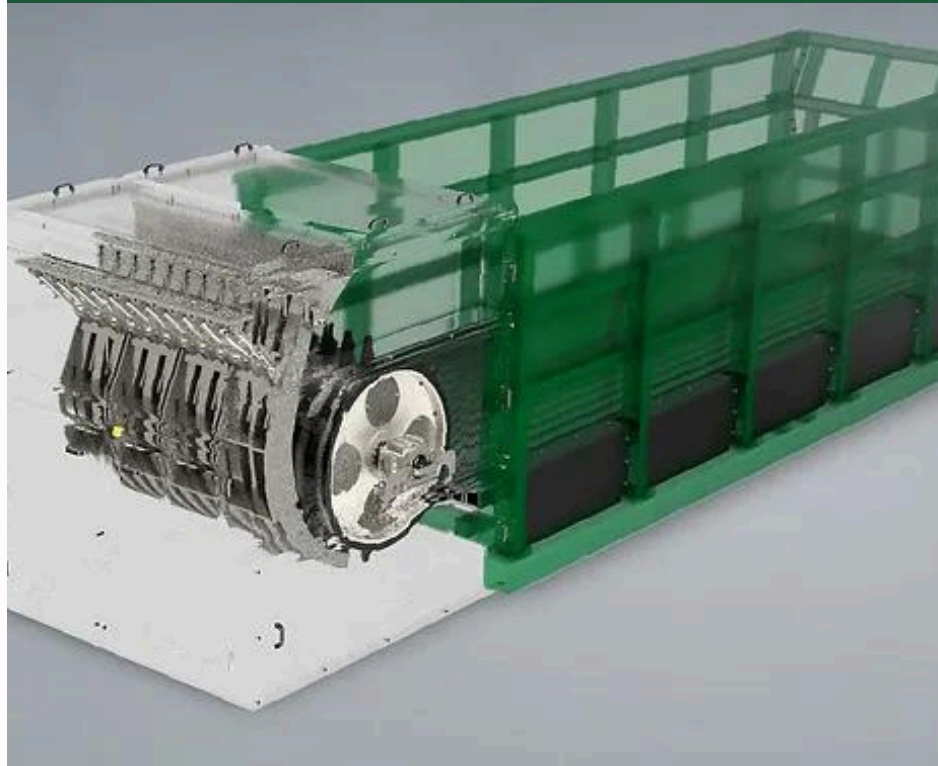
Disc Screen



The disc screen is designed to separate materials based on size, using a series of rotating discs to classify waste as it moves along the conveyor. This system is particularly effective for sorting mixed waste streams, allowing for the quick and efficient separation of different sized particles. The disc screen is an essential component in optimizing the sorting process, ensuring that materials are properly classified for recycling or further processing.

MACHINES

Bag Opener



The bag opener is an essential machine in waste processing facilities, designed to automatically open and empty bags of waste without damaging the contents. This system allows for the efficient processing of bagged waste, ensuring that recyclable materials are not missed and can be properly sorted and processed. The bag opener streamlines the waste separation process, improving overall efficiency and material recovery rates.

Bale Opener



The bale opener is used to break apart bales of compressed waste materials, preparing them for further sorting and processing. This machine is critical in recycling facilities, where it ensures that compacted materials like paper, plastics, and metals are effectively separated and directed to the appropriate recycling streams. The bale opener enhances the recycling process by ensuring that all materials are properly processed and recycled.

Shredder



The shredder is a powerful machine used to reduce the size of various waste materials, such as plastics, wood, and metals, into smaller, more manageable pieces. This process is crucial for preparing waste for further sorting, recycling, or disposal. Shredding improves the efficiency of the waste processing system by ensuring that materials are uniform in size, which is necessary for effective separation and recycling.

FULLY AUTOMATIC WASTE SORTING PLANT





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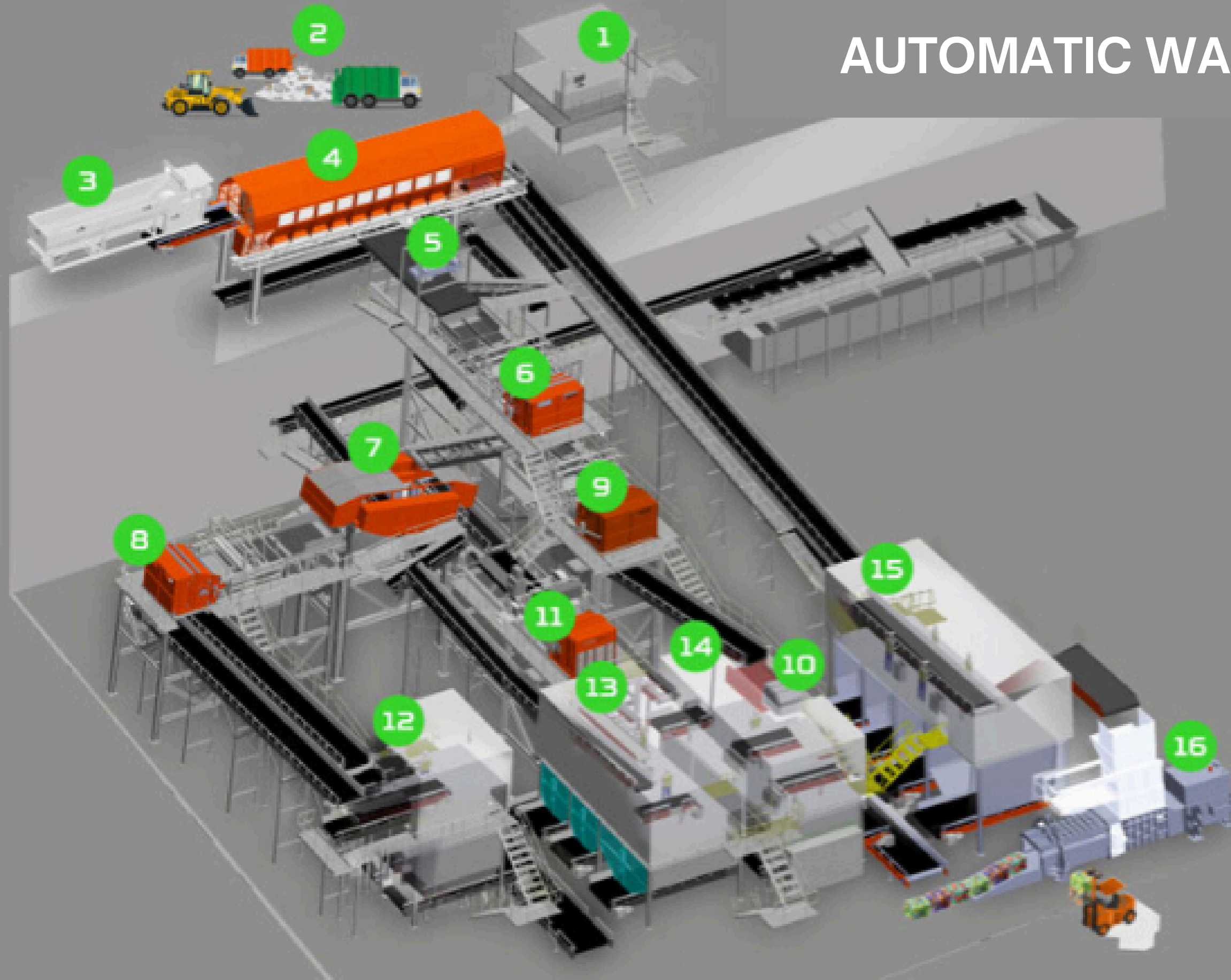
FULL AUTOMATIC

Automatic Garbage Sorting Plant is used to separate organic materials, plastics, metals, bricks, stones and other materials from garbage and make them valuable so as to reuse and recycle waste. With its reasonable structure and configuration, this plant, which provides automatic operation, prevents errors that occur during manual work and increases work efficiency by reducing work intensity.

As GERY, we manufacture easy-to-use Automatic Garbage Sorting Plants for the recycling of household waste. The size of the facility varies according to the capacity. The entire facility is managed from the control panel. Quick intervention is performed in machine service and maintenance. Efficient technology and energy are especially important for machines that run continuously. GERY technology enables minimum energy consumption and maximum performance.



AUTOMATIC WASTE SEPERATION PLANT



1. Control Tower
2. Waste Reception Area
3. Bag Opener
4. Trommel Screen
5. Metal Separator
6. Optical Separator 1
7. Ballistic Separator
8. Optical Separator 2
9. Optical Separator 3
10. Eddy Current Separator
- 11-12-13-14-15. Bunkers
12. Baler Press

SEMI-AUTOMATIC WASTE SORTING PLANT





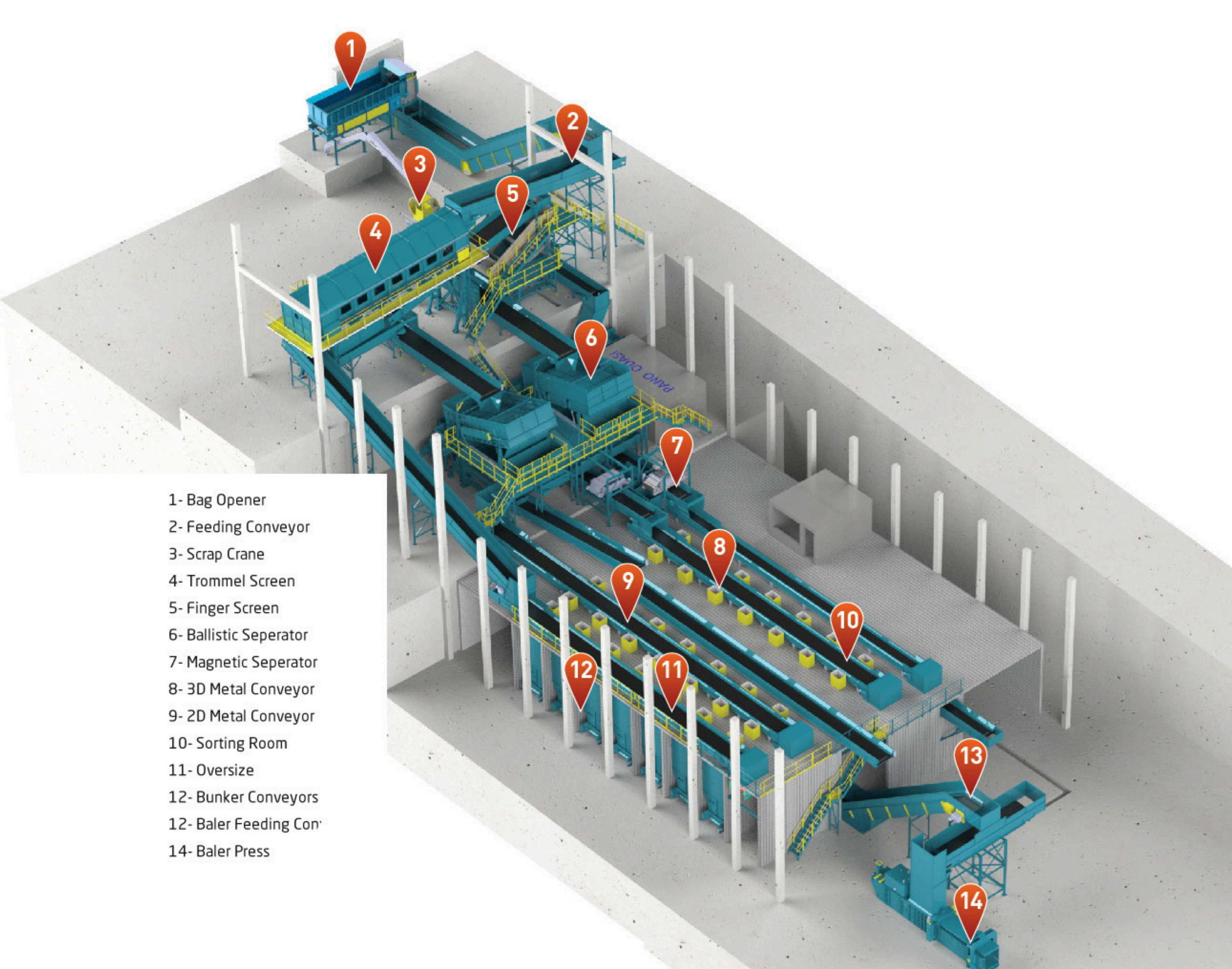
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SEMI AUTOMATIC

Semi-Automatic Solid Waste Sorting Plants
Before manual separation in semi-automatic sorting facilities, the material is divided into different conveyors by considering certain dimensions and shapes by means of mechanical equipment. In this way, before the material comes to people for sorting, organic wastes are taken and a better sorting opportunity is offered. Metals and Non-Fe metals (such as aluminum) are taken automatically by machines.

The material is sent to different conveyors in two dimensions and three dimensions, thus providing more waste separation with the same personnel. Labor costs are greatly reduced. These facilities generally have feeding equipment, bag opener, drum sieve and/or finger sieve, ballistic separator, magnetic separator, aluminum separator and bale press. However, in different projects, it is aimed to achieve maximum efficiency by making different designs according to the needs.





- 1- Bag Opener
- 2- Feeding Conveyor
- 3- Scrap Crane
- 4- Trommel Screen
- 5- Finger Screen
- 6- Ballistic Seperator
- 7- Magnetic Seperator
- 8- 3D Metal Conveyor
- 9- 2D Metal Conveyor
- 10- Sorting Room
- 11- Oversize
- 12- Bunker Conveyors
- 12- Baler Feeding Con
- 14- Baler Press

SEMI - AUTOMATIC WASTE SORTING

An isometric illustration of a manual waste sorting plant. The scene features several workers in orange overalls and dark shirts. One worker is holding a red bag, another is looking at a clipboard, and a third is using a magnifying glass. The plant consists of multiple conveyor belts with various waste items like cardboard boxes, plastic bottles, and food waste. There are also yellow and orange bins, a control desk with a computer monitor, and a yellow machine. The background has a light blue and grey color scheme with decorative elements.

MANUAL WASTE SORTING PLANT



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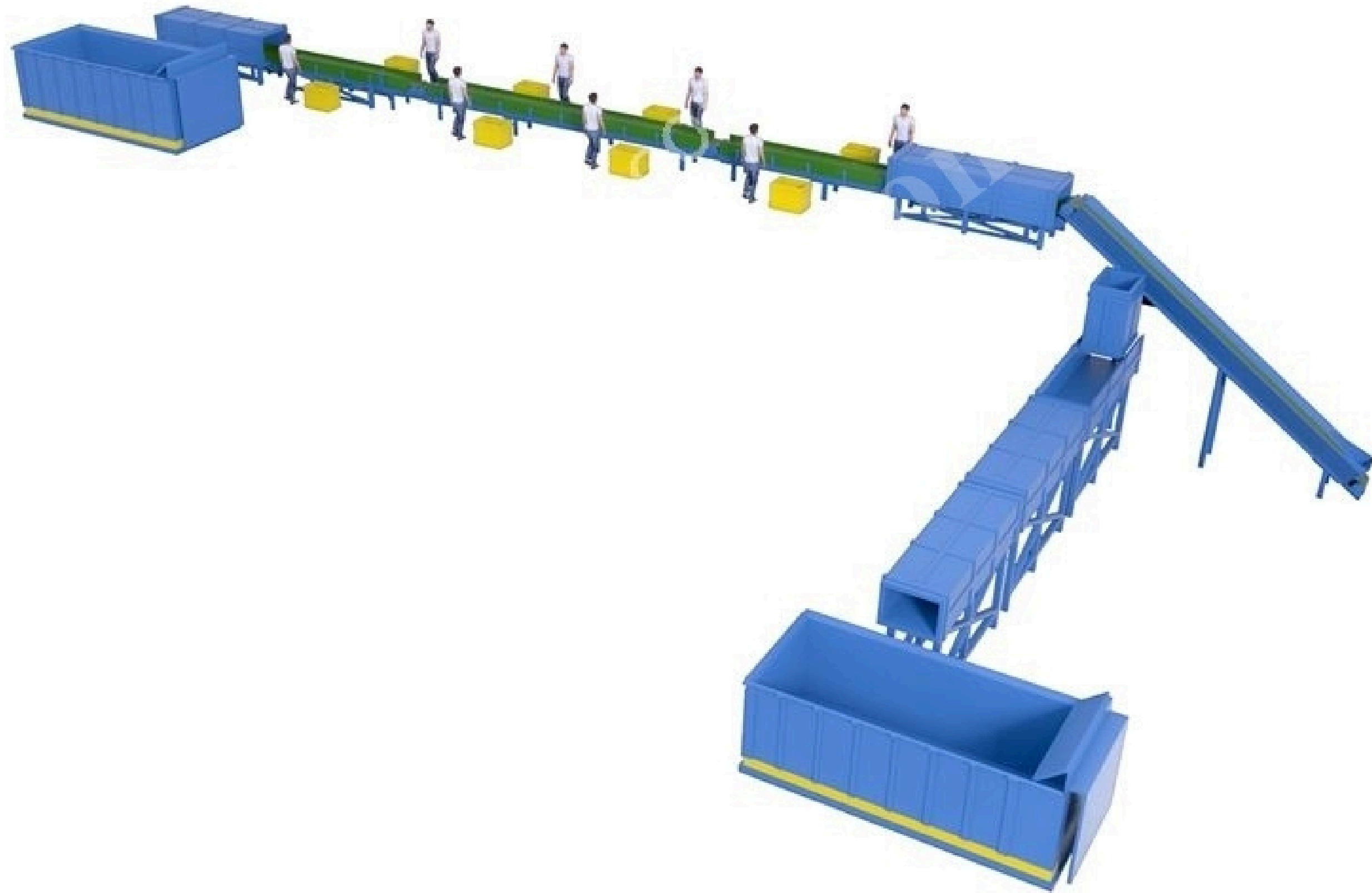
MANUAL

Manual Garbage Sorting Plant

Manual Garbage Sorting Facility is designed for the purpose of manually sorting the wastes in the waste removers located on the waste sorting platform by emptying the wastes into which they are fed. The sorted materials are thrown down the waste chimneys and accumulated in the chambers.



Then, the collected materials are transferred to the baling press with the help of forklift and compressed. It is preferred that the capacity is not high and there is a space problem. We have productions in various capacities according to customer demand



MANUAL
WASTE
SORTING



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