

Innovating Today for a
Sustainable Future



SMART SOLUTIONS FOR A BETTER FUTURE



www.genxsynertech.com



Company Overview

GenX SynerTech is a leading manufacturer and supplier of high-quality Municipal Waste Management Equipment and Special Purpose Vehicles in India. With a strong commitment to innovation, sustainability, and technological excellence, we provide comprehensive solutions to address the evolving challenges of urban waste management and specialized transportation needs.

Our Vision

To be the preferred partner for municipalities and organizations seeking efficient, reliable, and environmentally responsible solutions for waste management and special purpose applications, contributing to cleaner and healthier communities.

Our Mission

To design, manufacture, and deliver cutting-edge equipment and vehicles that optimize waste collection, transportation, processing, and disposal, while adhering to the highest standards of quality, safety, and environmental compliance. We strive to continuously improve our products and services through research, development, & a customer-centric approach.

Our Commitment

We are more than just manufacturers; we are partners in building sustainable and livable cities. We are committed to providing our clients with the highest quality equipment, exceptional service, and innovative solutions that address the critical challenges of municipal waste management and special purpose transportation.

Our Product Portfolio



Waste Processing & Disposal Equipment

Municipal Solid Waste Processing Plant
 Legacy Waste Processing /Bio-Mining Plant
 Construction and demolition (C&D) waste processing plant
 Trommel Screen
 Material Recovery Facility Centre for Municipal Solid Waste
 Air Density Separator (ADS)
 Ballistic Separator
 Magnetic Separator
 Hydraulic Baling Press Machine
 Municipal waste shredder machine
 Organic waste composting machine

Special Purpose Vehicles

Road Sweeping Machines
 Truck Mounted Fog Cannons / AntiSmog Guns
 Water Sprinkler Trucks/Water Trucks
 Hearse Vans (Shav Vahan)
 Recovery Vehicles
 Cattle Catcher Vehicle/Animal Ambulance
 Refrigerator Truck for Vaccine Transport

Waste Collection & Transportation Equipment's

Waste Collection Bins
 Mini Garbage Tipper
 Electric Vehicle for Waste Collection
 Open-Top Trucks/Dump Trucks
 Roll-off Trucks
 Portable Compactor
 Fixed Compactor Transfer Station

Liquid Waste Collection and Transportation Equipment's

Sewer Suction Machine/Gully Pit Emptier
 High Pressure Sewer Jetting Machine
 Suction Cum Jetting Machine / Super Sucker Machine
 Jetting Grabbing Rodding Machine

Tractor Attachments

Hydraulic Tractor Trailer
 Trailer Mounted Water Tanker
 Trailer Mounted Desilting Machine
 Tractor Mounted Front End Loader

Our Strengths



1

QUALITY AND RELIABILITY

We are committed to manufacturing durable and reliable equipment using high grade materials and advanced manufacturing processes

CUSTOMIZATION

We understand that every client has unique requirements. We offer customized solutions tailored to specific operational needs and budgets.

2



3

TECHNOLOGICAL INNOVATION

We continuously invest in research and development to incorporate the latest technologies and improve the efficiency and environmental performance of our products.

ENVIRONMENTAL RESPONSIBILITY

We are dedicated to providing solutions that promote sustainable waste management practices and contribute to a cleaner environment

4



5

EXPERIENCED TEAM

Our team of engineers, technicians, and support staff possesses extensive experience in the waste management and automotive industries.

AFTER-SALES SERVICE AND SUPPORT

We provide comprehensive after-sales service, including maintenance, repairs, and spare parts availability, ensuring the long term performance of our equipment.

6





Our Core Principles

Technological Innovation

Designing and producing advanced machinery for efficient waste collection, transportation, processing, and disposal.

Environmental Responsibility

Prioritizing eco-friendly practices and maximizing resource recovery to minimize ecological footprint.

Client-Centric Solutions

Customizing designs and services to fit the unique needs and sustainability objectives of each partner.

Comprehensive Solutions for Every Waste Challenge

Custom Plant Design & Construction

Tailoring Solid Waste Processing Plants and Legacy Processing Plants to meet the specific needs of each municipality.

Innovative Equipment Manufacturing

Designing and producing advanced machinery for efficient waste collection, transportation, processing, and disposal.

Expert Operation & Maintenance

Providing continuous support for Material Recovery Facilities (MRF) & Waste Processing & Disposal Plants, ensuring optimal performance.



Our Clients

Municipal & Urban Bodies

1

Collaborating with local governments to enhance urban cleanliness and waste infrastructure.

Government Agencies

2

Partnering with public sector entities on large-scale environmental and waste management projects

Private Waste Firms

3

Providing advanced solutions and equipment to private companies in the waste management sector.

Industrial & Commercial

4

Developing tailored waste solutions for businesses and industries seeking eco-friendly practices.

Construction & Infra

5

Assisting construction and infrastructure companies with efficient waste handling and disposal

Waste Processing & Disposal Equipment



Municipal Solid Waste Processing & Disposal Plant

A Municipal Waste Processing Plant is a specialized facility designed to handle and treat solid waste generated by households, commercial establishments, and public areas in urban and semi-urban regions. These plants play a crucial role in promoting environmental sustainability by efficiently segregating, processing, recycling, and disposing of municipal solid waste (MSW).

Legacy Waste Processing Plant

A Legacy Waste Processing Plant is designed to tackle long-accumulated waste piles, often found in landfills and dumpsites that have remained untreated for years. These waste heaps pose serious environmental and health hazards, leaching toxins into soil and water while emitting foul odours and greenhouse gases. The Legacy Waste Processing Plant aims to scientifically excavate, segregate, treat, and recover valuable resources from these old waste dumps.



Construction and Demolition (C&D) Waste Processing Plant

A Construction and Demolition (C&D) Waste Processing Plant recycles waste from construction, renovation, and demolition projects—such as concrete, bricks, and metal—into reusable materials like sand, aggregates, and bricks, promoting eco-friendly waste management and sustainability in urban development.

Waste Processing & Disposal Equipment

Material Recovery Facility

A Material Recovery Facility (MRF) is a specialized plant designed to sort, separate, and prepare recyclable materials from mixed municipal solid waste (MSW). By recovering valuable items like plastics, paper, cardboard, metals, and glass, an MRF plays a crucial role in reducing the amount of waste sent to landfills and increasing recycling efficiency.



Ballistic Separator

A Ballistic Separator is a high-performance machine used in solid waste processing plants to separate mixed waste based on size, weight, and shape. It effectively divides waste into three main fractions: 2D (light and flat materials like paper and plastics), 3D (heavy and rigid materials like bottles and cans), and fine waste (organic or small-sized particles).

Magnetic Separator

A Magnetic Separator is an essential industrial device used to remove ferrous metals (like iron and steel) from mixed material streams. It plays a critical role in industries such as recycling, mining, solid waste management, cement, food processing, and more. In Material Recovery Facilities (MRFs), Waste Processing Plants, and Construction & Demolition Waste Plants, magnetic separators help ensure clean and safe material recovery by extracting unwanted metal particles.



Waste Processing & Disposal Equipment



Air Density Separator

An Air Density Separator is an advanced machine used in waste processing and recycling plants to separate light materials from heavy ones based on their density using a controlled stream of air. This equipment plays a crucial role in improving the quality of material recovery by ensuring that lightweight waste such as paper, plastic films, and foils is efficiently separated from heavier components like stones, glass, metals, and bricks.

Baling Press Machine

A Baling Press Machine is a heavy-duty equipment used to compress recyclable materials like plastic, paper, cardboard, fabric, metal scraps, and other solid waste into compact bales. These bales are easier to handle, store, and transport, making the recycling process more efficient and cost-effective.



Municipal waste shredder machine

A Municipal Waste Shredder Machine is a heavy-duty machine designed to reduce the size of various types of municipal solid waste (MSW), including plastics, organic matter, paper, textiles, and light metals. This equipment plays a vital role in the initial stage of waste processing by making waste manageable, easier to transport, and suitable for further processing like composting, RDF (Refuse Derived Fuel) generation, or recycling.

Waste Processing & Disposal Equipment

Organic waste composting machine

An Organic Waste Composting Machine is an eco-friendly solution designed to convert organic waste—like food scraps, vegetable peels, garden waste, and biodegradable materials—into nutrient-rich compost. These machines are ideal for use in housing societies, hotels, restaurants, canteens, institutions, and municipal waste facilities.



Waste Collection & Transportation Equipment's

Garbage Containers



Garbage containers are essential tools in any waste management system, used for the temporary storage and transportation of solid waste in residential, commercial, and public spaces. Designed to be durable, hygienic, and easy to handle, these containers help in organizing waste disposal, preventing littering, and maintaining cleanliness in streets, homes, industries, and institutions.

Waste Collection & Transportation Equipment's

Refuse Compactor

A Refuse Compactor Vehicle is a specially designed truck used for the efficient collection, compaction, and transportation of solid waste in urban and rural areas. Equipped with a hydraulically operated compaction mechanism, this vehicle compresses waste to reduce its volume, allowing more garbage to be transported in a single trip – saving both time and operational costs



Open-Top Trucks/Dumper Truck

Open-Top Trucks or Dumper Trucks are specially designed vehicles used for transporting large volumes of loose materials such as municipal solid waste (MSW), construction debris, sand, gravel, and other bulk loads. These trucks have an open upper body that allows for easy loading and unloading of materials using loaders, excavators, or manual labor.

Skip Loader / Dumper Placer

Skip Loader Dumper Placers are specially designed vehicles used for lifting, transporting, and unloading open or closed skip bins filled with solid waste. Commonly used by municipal bodies, industrial facilities, and large institutions, these machines play a key role in streamlining the door-to-dump yard waste management process.



Waste Collection & Transportation Equipment's

Super Sucker Machine With Dump Tank



A Super Sucker Machine is a powerful, truck-mounted suction unit designed for heavy-duty cleaning and waste removal applications. Primarily used by municipal corporations, industrial units, and infrastructure maintenance teams, this machine is engineered to handle the toughest of sludge, slurry, debris, and solid waste. With a high-capacity vacuum pump, the Super Sucker Machine effectively removes waste from deep underground drains, stormwater lines, septic tanks, and industrial effluent chambers.

Jetting, Grabbing And Rodding Machine

A Jetting, Grabbing and Rodding Machine is a highly efficient and versatile system designed to clean, de-choke, and maintain underground sewer and drainage lines. This multifunctional equipment combines high-pressure water jetting, mechanical grabbing, and rodding technology to handle various types of blockages, debris, and sludge buildup in municipal and industrial sewage systems.



Grab Bucket Desilting Machine



A Grab Bucket Desilting Machine is a mechanical equipment used for cleaning and desilting water bodies such as canals, reservoirs, rivers, drains, and sewer systems. Designed for heavy-duty applications, this machine utilizes a hydraulic or rope-operated grab bucket to scoop out accumulated silt, sludge, debris, and waste materials from the bottom of water bodies, helping maintain smooth water flow and prevent blockages or flooding. These machines are particularly effective in urban drainage systems and irrigation canals where regular silt removal

Liquid Waste Collection and Transportation Equipment's

Hook Loaders

Hook Loaders are heavy-duty hydraulic systems mounted on trucks, designed to load, transport, and unload a variety of containers or bins used in waste collection and industrial applications. They are widely used by municipalities, construction companies, and waste management service providers for efficient and flexible operations.



Portable Compactor Garbage Transfer Station

A Portable Compactor Garbage Transfer Station is an advanced waste management solution designed to handle and compress municipal solid waste at the source before transferring it to the final disposal or treatment site. This system significantly reduces the volume of waste, minimizes transportation costs, and helps maintain cleaner urban environments.

Fixed Compactor Garbage Transfer Stations

A Fixed Compactor Garbage Transfer Station is a centralized facility where municipal solid waste (MSW) collected from various areas is compacted before being transported to landfills, waste-to-energy plants, or processing units. These stations are equipped with hydraulic compactors that significantly reduce the volume of waste, making transportation more efficient and cost effective.



Liquid Waste Collection and Transportation Equipment's



Truck Mounted Suction Cum Jetting Machine

A Truck Mounted Suction Cum Jetting Machine is a dual-purpose vehicle that cleans and maintains sewer and drainage systems using high-pressure water jetting and suction. Mounted on a truck, it removes blockages and collects waste for safe disposal—ideal for municipal, industrial, and commercial use.

Truck Mounted Suction Machine

A Truck Mounted Suction Machine is a heavy-duty vehicle specially designed for efficient suction and transportation of wet and dry waste materials such as sludge, silt, and wastewater from drains, septic tanks, manholes, and sewer lines.



Truck Mounted Jetting Machine

A Truck Mounted Jetting Machine is a powerful and efficient equipment used for high-pressure cleaning and unclogging of sewer lines, drainage systems, and pipelines. It is mounted on a truck chassis, making it mobile and ideal for municipal corporations, sanitation departments, and industrial facilities that require deep and large-scale drainage cleaning operations.

Liquid Waste Collection and Transportation Equipment's

Tractor Trailer Mounted Suction Cum Jetting Machine

A Tractor Trailer Mounted Suction Cum Jetting Machine is a versatile and mobile unit designed for effective cleaning and maintenance of sewer lines, stormwater drains, and septic tanks. Mounted on a robust trailer and towed by a tractor, this machine is ideal for rural and semi-urban areas where accessibility is limited and maneuverability is essential.



Trailer Mounted Suction Machine



A Trailer Mounted Suction Machine is a compact, portable, and highly efficient equipment designed for the quick suction and removal of wet or dry waste, sludge, silt, and debris from manholes, sewer lines, drains, septic tanks, and gullies. Mounted on a sturdy trailer chassis, this machine is easy to tow with tractors or utility vehicles, making it an ideal solution for municipalities, industrial units, and rural sanitation projects where mobility and flexibility are essential.

Special Purpose Vehicles

Road Sweeper Machine

A Road Sweeper is an essential piece of urban cleaning equipment designed to keep roads, highways, industrial areas, and public spaces free from dust, debris, leaves, and waste. These machines are widely used by municipal bodies, construction companies, airport authorities, and facility management services to maintain hygiene and ensure a safer, cleaner environment.



Truck Mounted Fog Cannon / Anti Smog Gun / Dust Suppression System

A Truck Mounted Fog Cannon Anti Smog Gun Dust Suppression System is an advanced mobile solution designed to combat air pollution and control dust at construction sites, mining areas, demolition zones, and industrial sites. Mounted on a truck, this system offers easy mobility and wide-area coverage, making it ideal for large-scale dust suppression and smog control operations in urban as well as remote areas.

Truck Mounted Water Sprinkler / Water Tanker

A Truck Mounted Water Sprinkler Water Tanker is a heavy-duty vehicle specially designed for spraying water over large areas such as roads, construction sites, mining zones, and agricultural fields. Equipped with a high-capacity water tank and advanced sprinkler system, this equipment ensures even and efficient water distribution, making it ideal for dust suppression, landscaping, road cleaning, and fire safety in remote areas.



Special Purpose Vehicles



Hydraulic Access Platform/ Sky Lift Vehicle

A Hydraulic Access Platform, commonly known as a Sky Lift Vehicle, is a specialized vehicle equipped with a telescopic or articulated boom lift powered by a hydraulic system. Designed for safe and easy access to elevated areas, this equipment is widely used in urban maintenance, electrical line work, tree trimming, signage installation, firefighting, and

Dry and Wet Garbage Suction Machine

A Dry and Wet Garbage Suction Machine is an advanced waste management tool designed to suction and collect both solid (dry) and liquid (wet) waste from streets, public places, drains, or commercial zones. Widely used by municipal corporations, sanitation departments, and private cleaning contractors, this machine simplifies the process of waste collection and disposal, especially in crowded or difficult-to-reach areas



Cattle Catcher Vehicle

A Cattle Catcher Vehicle is a specially designed utility vehicle used by municipal corporations, animal control departments, and rescue teams to safely capture, transport, and relocate stray or unattended cattle from urban and rural areas. With increasing incidents of stray cattle obstructing roads, causing accidents, or damaging property, these vehicles provide a humane and systematic approach to animal management.

Special Purpose Vehicles

Recovery Vehicle

A Recovery Vehicle, also known as a breakdown or tow truck, is a specially designed vehicle used to transport damaged, disabled, or illegally parked vehicles from one location to another. These vehicles are critical in emergency response situations, accident zones, and roadside assistance services. Whether it's a flat tire, engine failure, or a major collision, a recovery vehicle ensures the safe removal and relocation of the affected vehicle without causing further damage.



Funeral Vehicle

A Funeral Vehicle, also known as a hearse or mortuary van, is specially designed to provide a respectful and secure mode of transportation for the deceased from the place of death to the cremation ground, burial site, or funeral location. It plays a crucial role in funeral arrangements, ensuring the last journey is conducted with dignity, care, and peace. Modern funeral vehicles are thoughtfully equipped with necessary

Refrigerator Truck for Vaccine Transport

In today's healthcare system, the transportation of vaccines is not just about moving boxes from one place to another—it's about safeguarding life-saving medicines from the moment they leave the manufacturing unit until they reach the hands of healthcare providers. Designed to maintain precise temperature control, these specialized vehicles ensure that vaccines remain effective and safe throughout the journey.



Special Purpose Vehicles



Smart Public Toilet, Automated Self clean Modular Toilets

Smart Toilets are advanced, self-cleaning public sanitation solutions that use technology and automation to ensure better hygiene and user comfort. Ideal for smart cities, tourist spots, airports, and railway stations, they provide a modern, hygienic, and convenient sanitation

Vaccum Toilets (CVC/VOD)

Vacuum toilets use suction to remove waste, requiring very little water (0.5–1.5 litres) per flush. They offer the same comfort as traditional toilets while saving water and reducing costs. Because the waste has high organic content, vacuum toilets are suitable for use with systems that treat greywater and blackwater separately, or for biogas production through aerobic digestion. These systems are ideal for use in both large and small buildings, as well as in trains, ships, and airplanes.



Caravan Trailer

caravan trailer offers a durable mild-steel body, lightweight design, and comfortable interiors for a premium camping experience. It provides ample storage along with dedicated spaces for outdoor gear like bicycles and tools, making it ideal for adventure enthusiasts. Featuring adjustable beds, garage space, composite panels, and off-road capability, it combines convenience, reliability, and multifunctional utility.

Tractor Attachements

Hydraulic Tractor Trailer

A Hydraulic Tractor Trailer is an essential piece of equipment widely used in agricultural, construction, and industrial sectors. Designed for efficiency and durability, it is typically attached to a tractor and used for transporting heavy loads such as crops, sand, bricks, gravel, or machinery. The key feature of this trailer is its hydraulic system, which allows the trailer bed to lift and tilt, making unloading faster and easier without manual labor.



Trailer Mounted Water Tanker

A Trailer Mounted Water Tanker is a highly efficient and portable water transportation solution designed for use in agriculture, construction sites, municipal applications, and remote locations. This versatile unit is built with a sturdy trailer base that can be easily attached to tractors, trucks, or towing vehicles, ensuring seamless water delivery even in

Trailer Mounted Desilting Machine/ Nala Mana

A Trailer Mounted Desilting Machine is an efficient and mobile solution designed for removing silt, sludge, and debris from drains, sewers, and small water bodies. Ideal for municipal corporations, irrigation departments, and industries, this machine helps in cleaning and maintaining proper flow in drainage and sewer systems. Mounted on a sturdy trailer, the unit ensures high mobility, making it easy to transport to remote or hard-to-reach areas.





Luxury Toilet Solution

Experience cutting-edge sanitation with the GENX SYNERTECH Vacuum Toilet System designed for luxury transportation.

Innovative, efficient, and eco-friendly design

Water Efficiency Rate

99% reduction in water usage

Discover how we can transform your luxury bus experience today!



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