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SHARING THE GREEN TECHNOLOGY

Patented Products

International Quality System Certification

CE Certification

GEP Ecotech Solution Catalog

GEP ECOTECH

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RECYCLING

Waste Tire Shredding & Recycling System

Waste tires are known as "black gold mines" and are of great recycling value. For example, direct retreading and reuse, recycling steel wire to make steel, rubber grinding to make rubber powder, pyrolysis to make oil, cement rotary kiln or power station alternative fuel (TDF), etc., the benefits are considerable.

Market data shows that recycled products from shredding and grinding of waste tires are more expensive than directly recycled tires. GEP ECOTECH has been working with waste tires for many years and offers a wide range of options for recycling waste tires.

01/

Shredding and grinding: complete waste tires are shredded and ground to remove non-rubber impurities (nylon fibres, steel wires) to obtain different mesh sizes of pure rubber powder

02/

Cracking pre-treatment: After being shredded into blocks and separated from the steel wire, waste tires are sent to a pyrolysis reactor where they are made into fuel oil for use as fuel, combustible gas for power generation and carbon black, which is more expensive on the market.

03/

Making TDF: The calorific value of waste tires is over 8000 kcal, which is higher than burning coal at 5000 kcal. Cement plants, power plants, steel plants and smelters in many European and American countries use shredded waste tires as fuel to reduce production costs for their companies.

SOLUTIONS

Waste Tire Shredding & Recycling System

GEP ECOTECH designs professional and reliable tire recycling solutions based on project requirements. We guarantee our customers the highest production quality and recovery rates, while reducing energy consumption and production costs.

01/ Small solutions

This is a waste tire recycling solution suitable for small and medium-sized enterprises. The production capacity of a single production line is usually less than 3 tons per hour, main processes include shredding and separation. Rubber blocks (size can be customized), steel wires and fabrics can be separated. Optional equipment includes granulators, rubber breakers and grinders, cracking equipment, dust removal and other equipment.

Benefits of GEP Ecotech Small-Scale Tire Recycling Plant

- Cost-effective, specially developed double-shaft shredder, only one machine can shred the entire tire to the ideal size.
- Flexible configuration, can be equipped with different equipment according to the final application and production requirements.
- Low initial investment cost, Low operating investment, Long-term reliability.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

PROJECT CASES

02/ Medium and large solution

This is a tire recycling solution designed for medium and large projects, with capacity of more than 10 tons per hour(single line). The system uses large GDT series shredder or multi-stage shredding equipment (as required) to shred the tire to the required size, and then use a wire separator to separate the steel wire from the tire to obtain rubber piece. Then according to the final needs, the rubber will be shredded, ground or cracked.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

Scrap Tire Shredding & Cracking Project in Thailand

GEP ECOTECH has designed a tailor-made solution for the pre-shredding and disposal of tire cracking and refining at a waste tire cracking and disposal centre in Thailand. The end-of-life car and truck tires are recycled and then extracted, shredded and magnetically sorted to produce 50mm pure tire rubber blocks of the required size for the pyrolysis plant, with an output of 8-10 tonnes per hour in the shredding process.

EQUIPMENT

Patented Products

International Quality System Certification

CE Certification

Double Shaft Shredder For Waste Tires

Integrated drum screen, Shred the waste tires to required size.

Rubber Block Breaker

Reduce the shredded tire rubber block to a smaller size, and separate the steel wire in the interlayer.

Tire Wire Separator

Shred the pre-processed waste tire rubber blocks into 16-30mm grains, separating the steel wire.

Tire Wire Drawing Machine

Pull out the steel wire in the waste tyre all at one-time, and prepare for the subsequent shredding tires or tyre pyrolysis.

Rubber Granulator

Reduce the shredded rubber crumbs into small particles.

Fiber Separator

Separatethe minor fiber and fluff from the rubber powder to improve the purity of crumb rubber.

RECYCLING

Construction& Demolition Waste Disposal System

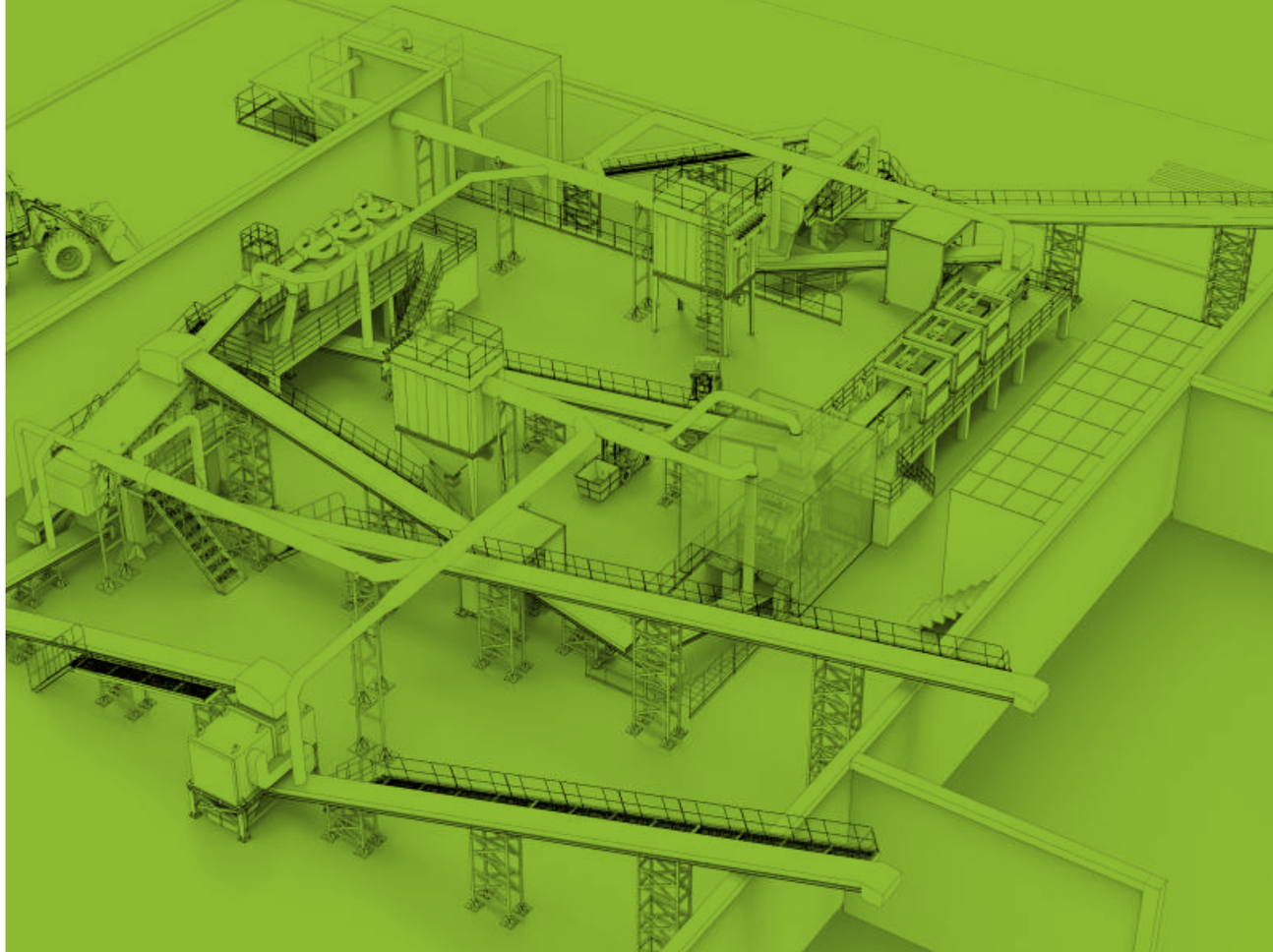
Construction and demolition waste(C&D Waste) comprises of the debris generated during construction and demolition activities, is golden resource in the wrong place. After sorting, shredding and recycling, most of them can be reused as recycled resources. For example, scrap metal can be made into various sizes of steel; bricks, stones and concrete can be used to replace sand for masonry mortar and plastering mortar, and can also be used to make paving bricks, lattice bricks and other building material products; combustible materials such as wood panels, plastics, doors and windows can be used as fuel to generate electricity.

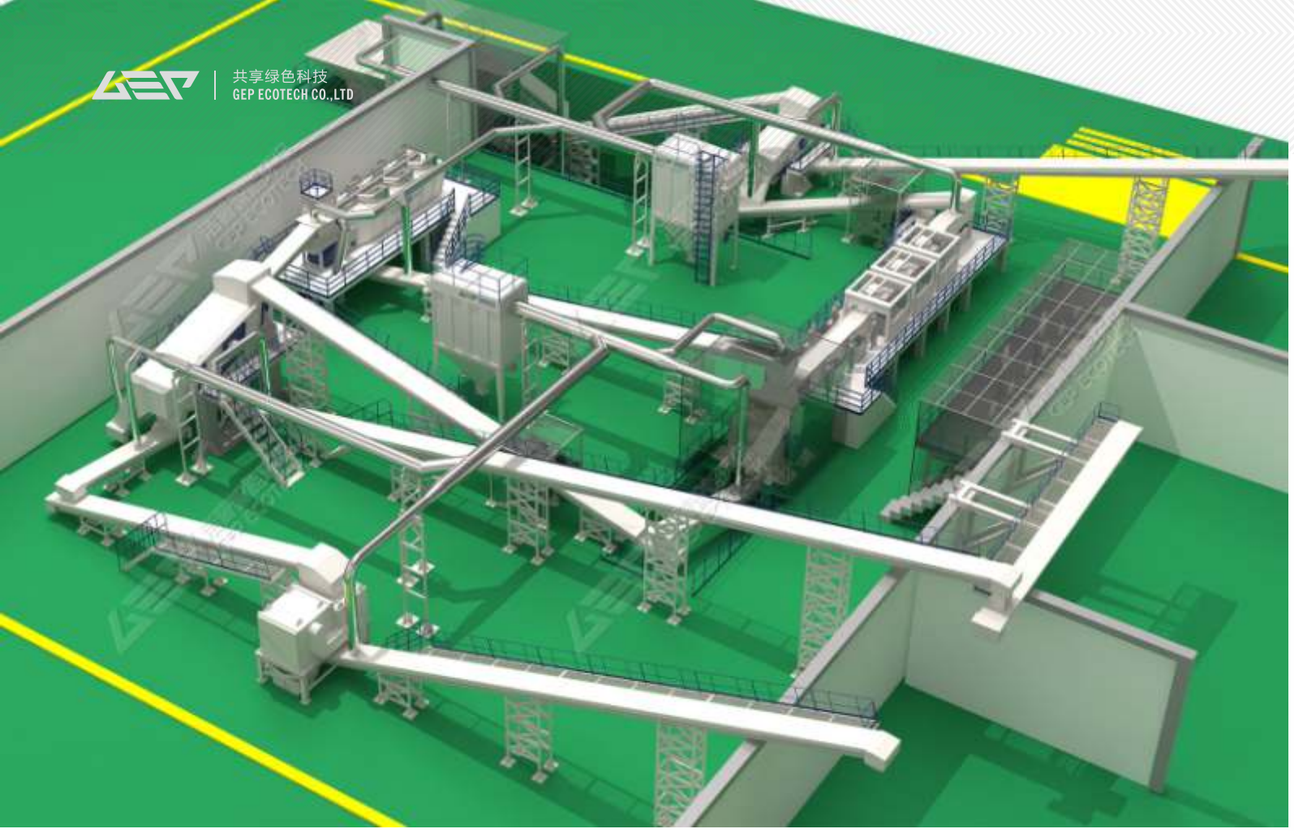
GEP ECOTECH's construction and demolition waste disposal system maximizes the recovery of usable materials from waste through a series of processes such as mechanical sorting, crushing, shredding, soil removal, iron removal, air separation and flotation, reducing pollution and improving resource utilization while creating economic value.

SOLUTIONS

Construction& Demolition Waste Disposal System

The disposal system is available in both stationary and mobile versions. The stationary version has a complete production system that allows continuous production, facilitates integrated management and effectively controls production costs; the mobile version is ideal for small to medium production requirements and environments where operations are often mobile, flexible, easy to transfer, no infrastructure required and economical. We can configure the most reasonable and efficient disposal solution according to customers needs.





01/ Stationary Processing Version

This is a solution for centralized waste process, which can handle a large amount of mixed demolition and construction waste, with strong production capacity, high stability and powerful functions. According to your specific needs, the entire system can include feeding and pre-screening, crushing and shredding, material sorting, cleaning, aggregate optimization, packing and compression, dust removal, water treatment and other modules.

Benefits of GEP Ecotech Stationary C&D Waste Recycling Plant

- Maximise the recycling of construction, demolition and other solid waste.
- Maximise the production of high quality recycled sand and aggregates that have good size and shape.
- Minimise manual participation and reduce operating costs.
- Flexible, equipment can be expanded when needed to increase production capacity.
- Compact, Specially optimized layout helps to save land occupation.

GEP Ecotech designs waste disposal plans according to the specific needs of customers.

02/ Mobile Processing Version

The mobile C&D waste recycling system is suitable for crushing, sorting and recycling construction waste at the demolition site or landfill. It can be moved at any time when needed, which helps reduce transportation costs. The mobile system can be composed of mobile crushers, mobile shredders, and mobile screening equipment.

Benefits of GEP Ecotech Mobile C&D Waste Recycling Plant

- Flexible, strong passability, movable at any time, no infrastructure costs.
- Stable, able to work in the worst demolition site.
- Integrated unit, no on-site installation is required, and different unit can be combined at any time according to work needs.
- It complies with road transportation regulations and can be moved on public roads.
- GEP Ecotech designs waste disposal plans according to the specific needs of customers.

GEP Ecotech designs waste disposal plans according to the specific needs of customers.

PROJECT CASES

Stationary C&D Waste Recycling Plant in Anhui

This is a 3 million tons per annum construction and demolition waste disposal project in Anhui, the East of China. It was built with the participation of GEP ECOTECH. The treated construction waste products are used to manufacture the new environmentally friendly wall materials developed by the company, which are energy efficient, environmentally friendly and safe. The core equipment is a parallel mounted impact crusher with high efficiency, good particle size, good gradation and low operating costs.

Mobile C&D Waste On Site Recycling Plant in Guangdong

GEP ECOTECH provided the Guangdong customer with a proven technical solution and a full range of disposal equipment, including: mobile impact crushing plant, mobile screening plant, mobile heavy duty screening plant, water flotation machine and an intelligent dust suppression system. The whole plant's capacity can up to 150 tonnes per hour. The sand and gravel aggregates produced are used for brick making and the residue is used to produce inorganic mixes, all finished products can be used in urban greening projects.

EQUIPMENT

Patented Products

International Quality System Certification

CE Certification

Impact Crusher

Reduce concrete blocks, bricks, etc. in construction and demolition waste to the required size.

Double Shaft Shredder

Shred metal, plastic, waste wood, etc.

Jaw Crusher

Crush large pieces of hard concrete, masonry, asphalt, etc.

Flip-Flow Screen

Efficient screening of difficult, sticky or wet materials.

Wind Sifter

Separate light from heavy materials with the use of an air stream.

Circular Vibrating Screen

Multi-layer screen, simple structure, reliable and durable, save energy. Suitable for separating particles.

Rotary Drum Screen

Separation of solid waste by using the buoyancy of water.

RECYCLING

Municipal Solid Waste Disposal System

With the spread of global urbanization and the acceleration of the pace of life, urban waste is increasing and has become a global problem that threatens the living environment and health and safety of human beings, and the treatment of urban waste is urgent.

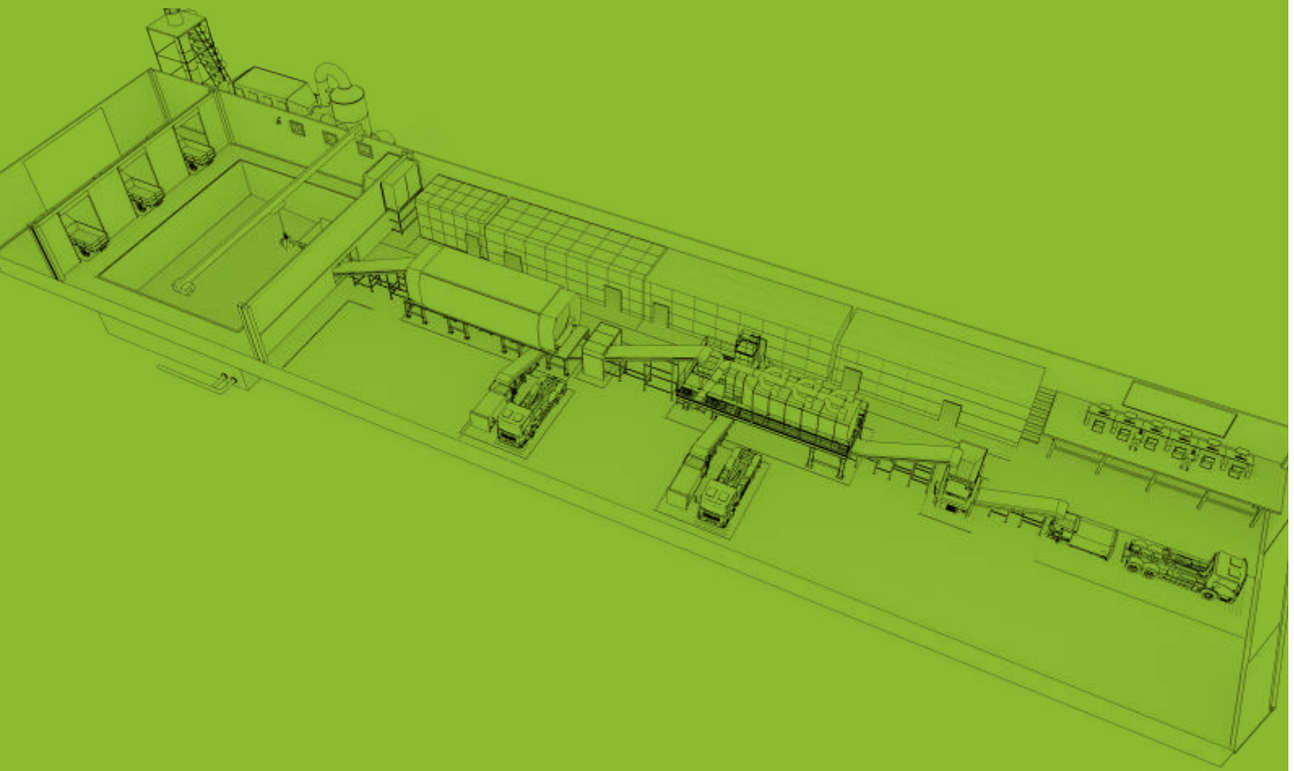
MSW contains a large amount of recyclable and reusable materials, such as high calorific value combustible materials that can be prepared into alternative fuels (RDF, SRF) to reduce the use of coal, organic materials that can be made into compost or used for digester fermentation, and high value recyclables such as plastics, glass, metals and waste paper that can be directly reused or made into raw materials.

The main common disposal methods for municipal waste are landfill, composting and incineration, but all must be shredded and refined before disposal. GEP ECOTECH offers a full range of MSW disposal systems to help improve treatment efficiency and recycling rates through pre-shredding, magnetic separation, screening and fine shredding processes to reduce the volume of MSW and sort them.

GEP ECOTECH can develop the best disposal solution according to the project requirements, effectively reducing project operating costs, using highly automated, stable, efficient, safe and reliable equipment with a low failure rate, completely reducing the volume and weight of domestic waste, saving land area and extending the life of the landfill site.

SOLUTIONS

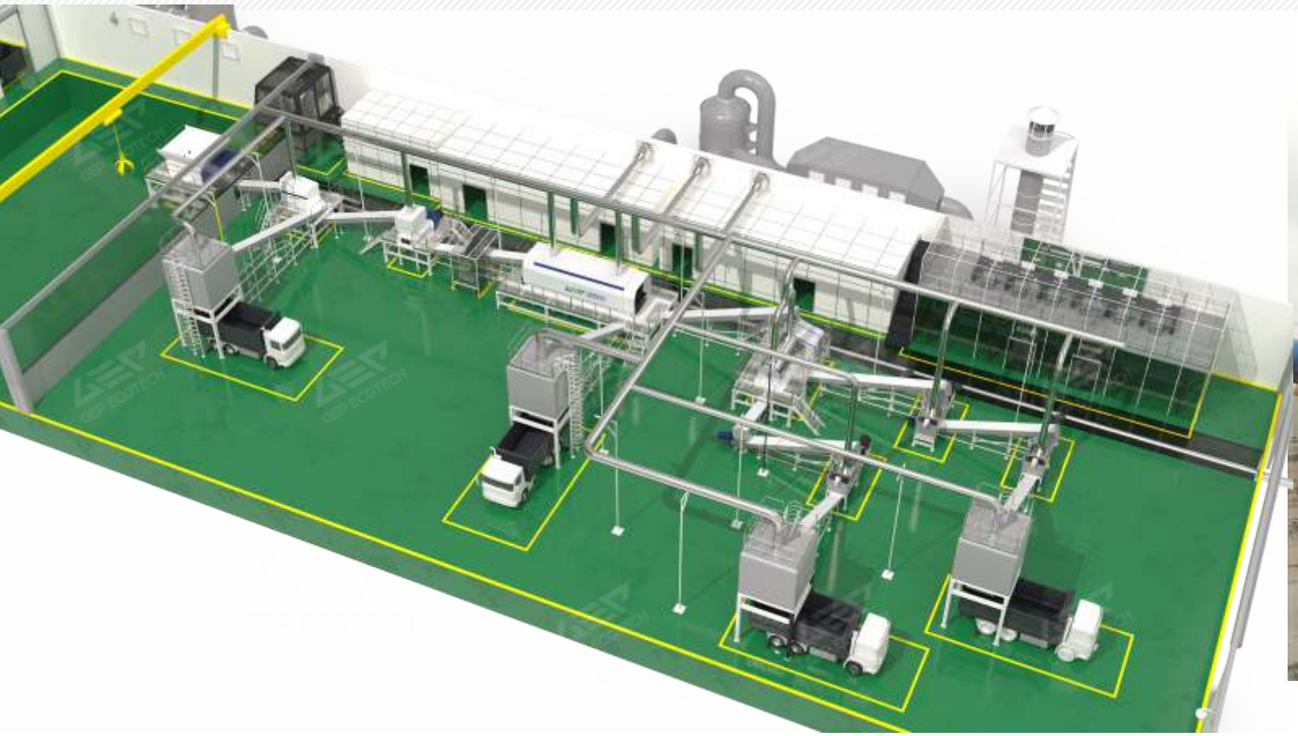
Municipal Solid Waste Disposal System



01/ Raw Domestic Waste Disposal Solution

The household waste is transported to the pre-shredder for pre-shredding, the shredded material enters the trommel screen for screening, where the material >40mm is separated by the magnetic separator and the wind separator to obtain usable metal, heavy material and light material, where the light material is transported to the fine shredder for fine shredding, and finally the fuel meets the feed size. The < 40mm screened material from the trommel screen is returned to landfill, together with the heavy material from the wind separator.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed



02/ Food Waste Disposal Solution

Food waste accounts for about 50% of municipal waste and has a complex composition, including leftovers, vegetables, leaves, peels, meat and bones, etc. GEP ECOTECH has a disposal system with a full range of food waste disposal functions - intelligent feeding + pre-sorting + intelligent shredding+ fine sorting + multi-stage screw press, with advanced technology, high sorting and debris removal efficiency and high automation, ultimately achieving effective separation and recovery of organic matter.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

03/ Aged Waste Disposal Solution

The aged waste is conveyed to the trommel screen for screening, and the screened material >40mm is conveyed to the shredder, wind separator and fine shredder for shredding, sorting and fine shredding in turn. The light combustible material RDF is compressed and transported to the incineration power plant for incineration and power generation. The metal selected by the magnetic separator can be recycled and the heavy inert material selected by the wind separator system, such as construction material, can be used as road base material and raw material for recycled building materials; the material under the screen of<40mm is landfill soil, humus, etc. and is transported back to the landfill for backfill, greening or composting.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

PROJECT CASES

MSW and Bulky Waste Process Plant in Shanghai

This is a simple domestic waste treatment plant in minhang Zone, Shanghai, It receives solid and bulky waste generated from the surrounding area, shreds it, sorts it, and sells it to the power station as an alternative fuel, with a daily processing capacity of about 200 tons. The whole system consists of a GD10 double-shaft industrial waste shredder, chain conveyor, control and monitoring system. This plant has been in operation since the end of 2018 and is currently operating in good condition.

Food Waste Disposal Project in Henan, China

GEP ECOTECH's food waste disposal system is easy to operate, powerful, highly automated with good material adaptability. GEP ECOTECH's core plant is designed for corrosion and wear resistance, impact resistance and reliability, resulting in high output and low investment over a long period of time, capable of shredding food waste to ⩽150mm with a capacity of 15t/h.

EQUIPMENT

Patented Products

International Quality System Certification

CE Certification

GC Pre-Shredder

Pre-shredders are efficient waste processing machines utilized in recycling and waste processing applications.

GSD Double Rotor Fine Shedder

High output, quickly reduce the material to the final size.

GFX Wind Sifter Separator

Separate light from heavy materials with the use of an air stream.

Rotary Drum Screen

Separation of solid waste by using the buoyancy of water.

Mobile Compression Trash Can

We offer a broad range of mobile and stationary waste compactors.

Iron Magnetic Separator

High efficiency, energy saving, fast separation of metals

RECYCLING

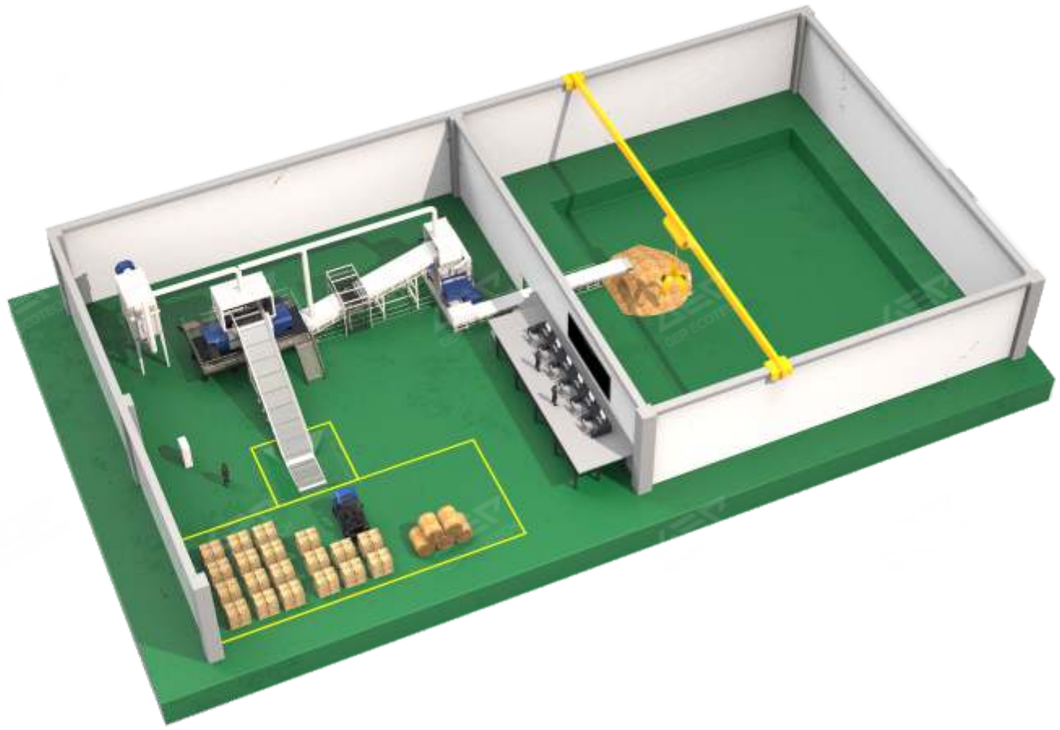
Pre-Shredding System for Biomass Power Plant

Biomass is the most widespread material on earth, such as tree branches, bamboo, wood, straw, crop stalks, fruit shells, bagasse, (oil palm) EFB (Empty fruit bunch), etc. are all very good biomass fuels(Biofuels). The use of biomass for power generation is a renewable energy source, which can reduce the use of fossil energy, promote the comprehensive use of resources, reduce pollution and waste, and has therefore become popular in many countries in Europe and America. Of course, in addition to direct-fired power generation, shredded biomass can also be used for paper making, fermentation for biogas, feed and other uses.

Modern power stations have almost exacting requirements for combustion efficiency, which not only means more energy is produced, but also less pollution to the environment. GEP ECOTECH's biomass pre-shredding system not only efficiently breaks up bales of biomass material, but also shreds them to a uniform size suitable for burning in a boiler.

SOLUTIONS

Pre-Shredding System for Biomass Power Plant

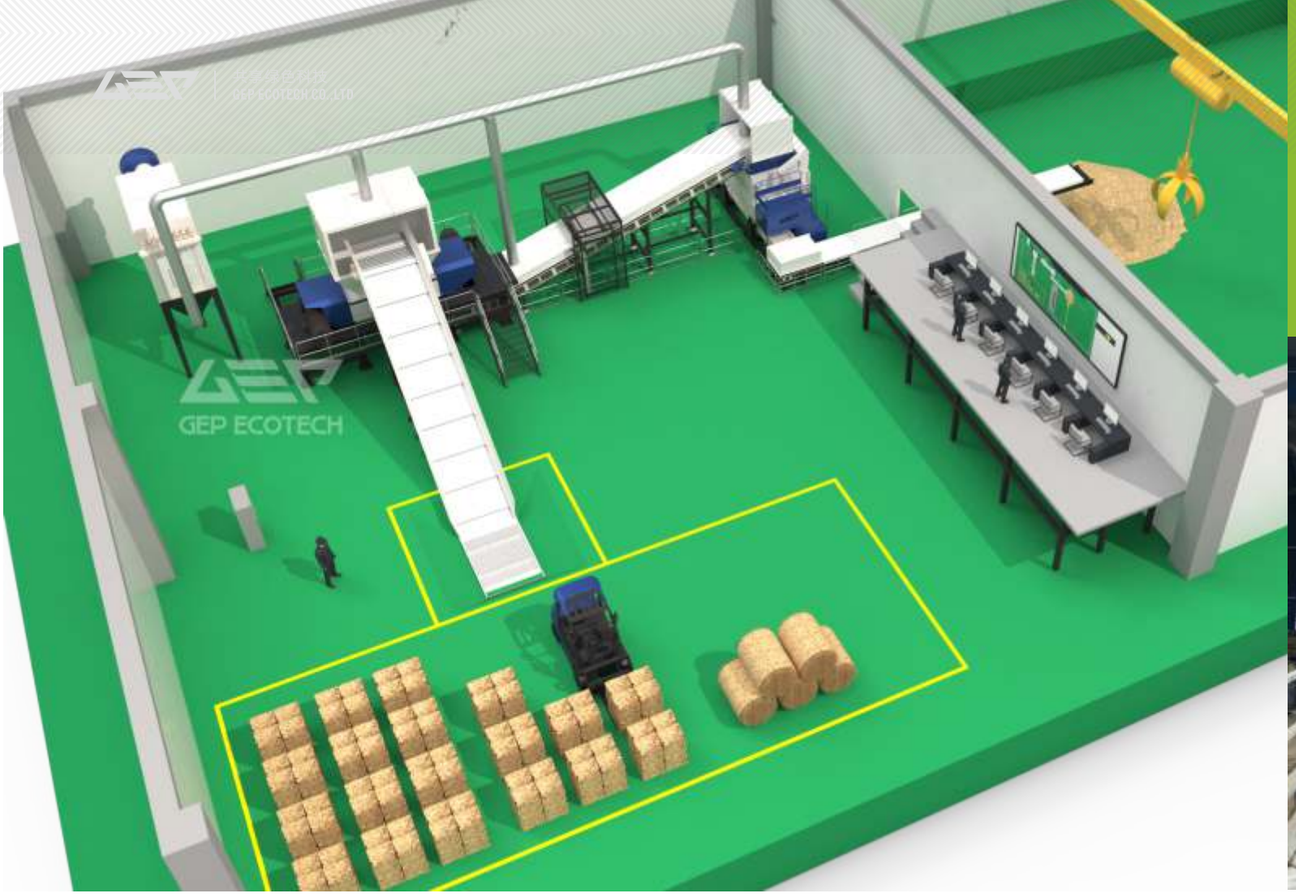


01/ Typical solution

Can meet the pre-shredding requirements of most biomass power stations with a discharge size of 100-200mm. Use one or more GDB series biomass shredders, equipped with metal chain conveyor, belt conveyor, iron remover, GI intelligent monitoring system and intelligent dust reduction system.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

PROJECT CASES



02/ Ultra-fine solution

To meet the extremely high requirements of a small number of biomass power stations for final material sizes of 50-80 mm, using the GDB series biomass shredder + GS series single shaft fine shredder, equipped with metal chain conveyor, belt conveyor, iron remover, GI intelligent monitoring system and intelligent dust reduction system

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

Biomass Shredding System for Power Plant in Philippines

The project uses sugar cane leaves as the burning material for biomass power generation, providing a steady output of electricity for the local area. The main equipment are three double-shaft biomass shredders with excellent performance, large processing capacity, uniform quality of the shredded material and low energy consumption, which can shred sugar cane leaves to 100-200mm with an output of 30-60t/h, with economic, ecological and social benefits.

EQUIPMENT

Patented Products

International Quality System Certification

CE Certification

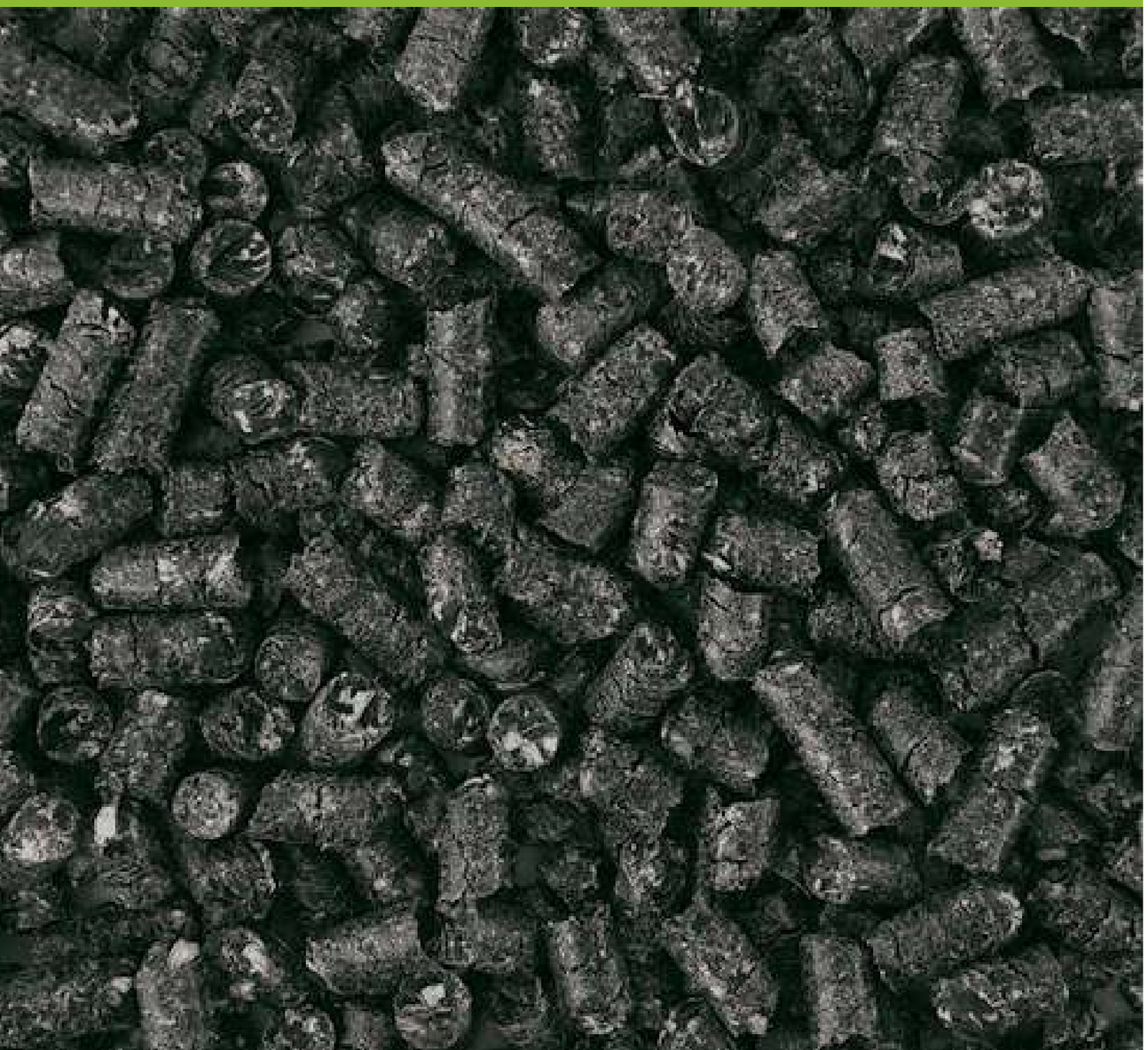
Biomass Shredding System for Power Plant in Heilongjiang, China

GEP ECOTECH has optimized both the feed structure and the shredding unit of the biomass shredder, for example: the large capacity working area can easily cope with different forms of bales and loading methods, the anti-winding fixed cutters avoid the shredding efficiency being affected by the winding of the bale rope, etc., which can guarantee a continuous and sufficient supply of raw material and a 24-hour continuous supply of material. The shredded size of 100mm and the output of 50-60t/h are in line with the customer's expected target.

GDB Series Shredder for Biomass

It is suitable for the shredding and fine processing of biomass materials. It can process the materials to a smaller particle size at one time.

RECYCLING



Refuse-Derived Fuel & Solid Recovered Fuel System

RDF is a fuel made from MSW, industrial or commercial waste by shredding, screening, wind separating, iron removal, drying, addition of chemicals and compression. RDF fuel has a high calorific value, stable combustion, easy transportation, easy storage, low secondary pollution and low dioxin emissions

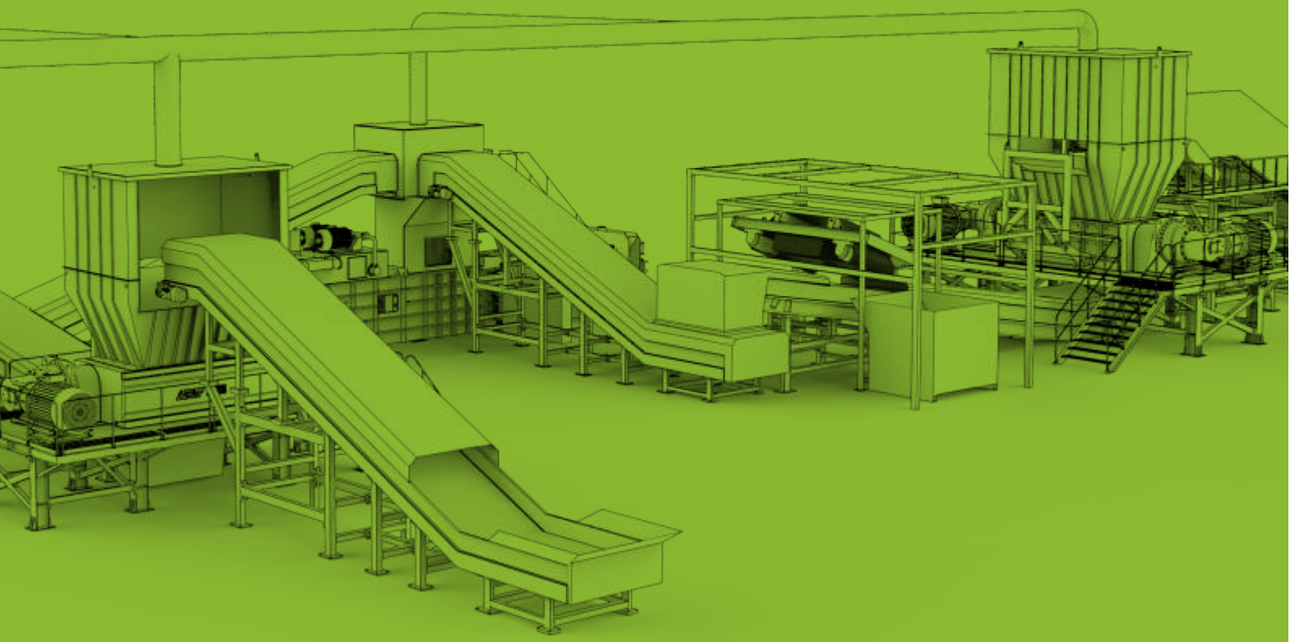
Solid Recovery Fuel(SRF) is a fuel made from non-hazardous waste according to European EN 15359 for use in incineration plants or co-incineration facilities for the purpose of energy recovery and reuse.

RDF/SRF fuels are currently used primarily for electricity and heating, but can also be used as an alternative fuel for cement plants. The use of RDF/SRF fuels helps to reduce reliance on limited fossil fuels while reducing carbon emissions to meet tightening global environmental requirements.

GEP ECOTECH is experienced in the field of RDF/SRF fuel preparation and can offer a comprehensive range of integrated disposal solutions. The equipment required for the system is stable and efficient, safe and reliable, with a low failure rate and low installed power, which significantly reduces system operating costs.

SOLUTIONS

Refuse-Derived Fuel & Solid Recovered Fuel System



01/ Universal solution

After pre-treatment such as bag-breaking and primary magnetic separation, the waste is removed from non-combustible materials such as metal, glass and sand, and the combustible materials in the waste (such as plastic, fibre, rubber, wood and food waste) are fed into the primary shredder, shredded into easily dryable pieces and then sent to the dryer via a conveyor. The moisture content is adjusted by controlling the hot air so that the material moisture is reduced to less than 8%. The dried flue gas is discharged through the dust remover and the dried material is sent to the wind separator after the second magnetic separation. The non-combustible material (ash, broken glass, metal shavings, etc.) is removed again and sent to the secondary shredder, where the material is shredded into small, easily formed particles, to which a certain amount of chemical is added, and then sent to the forming machine. The RDF is produced continuously by the forming machine, then cooled and sent through a vibrating screen into a hopper for the finished product, which is bagged by an automatic weighing machine, while the unqualified material is returned for re-forming.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

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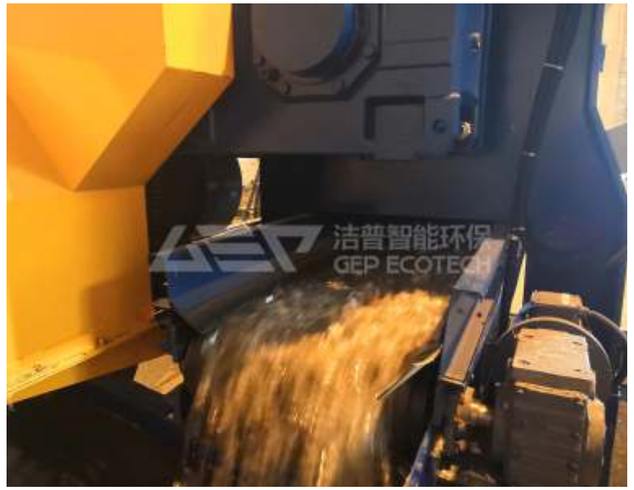
PROJECT CASES



RDF Fuel Production Project in a Nordic Country

The project materials are pure waste leather fabrics, commercial waste plastics and other high calorific value solid wastes, the core equipment is selected from GEP ECOTECH high torque double-shaft shredder and single shaft shredder, the size of the materials can reach 80mm after secondary shredding. The whole process is highly intelligent, with good material compatibility, high stability of the shredder and sorting equipment and low RDF production costs.

EQUIPMENT

Patented Products

International Quality System Certification

CE Certification

GSD Double Rotor Fine Shedder

High output, quickly reduce the material to the final size.

Double Shaft Shredder

Low speed, high torque, economical and efficient, easy to shred all wastes.

GSX Single Shaft Fine Shredder

Reduce the Material to a very small size.

GC Pre-Shredder

Pre-shredders are efficient waste processing machines utilized in recycling and waste processing applications.

Single Rotor Fine Shredder GSS Series

The GSS series single rotor shredder is suitable for processing a wide range of materials to a small and uniform size.

RECYCLING

Hazardous Waste Disposal System

Hazardous waste is waste that is corrosive, toxic, flammable, infectious, reactive and other that has harmful effects on human health or the environment, and whose harmful effects can even affect the sustainable development of society. Common hazardous wastes include paint drums, intermediate bulk containers (IBC tanks), chemical woven bags, batteries, expired pharmaceuticals, etc.

These "time bombs" cannot be simply shredded as they can burn, explode or cause gas/liquid leaks during the shredding process, so the hazardous waste disposal facility must be very safe and airtight.

GEP ECOTECH's hazardous waste manangement machine meet international standards in terms of safety, stability, air tightness, ease of maintenance, user-friendliness of operation and life cycle, and can be used in cement kiln co-disposal, rotary kiln waste heat boiler disposal, battery shredding and recycling, industrial oil drums and paint drums shredding and recycling, etc.

GEP ECOTECH has extensive experience in providing shredding, fuel blending, destruction and recycling for the hazardous waste disposal industry. Whether you are recycling materials, disposing of them in a non-hazardous manner or burning them for energy, GEP ECOTECH can provide you with efficient, safe and stable solutions to help hazardous waste disposal companies improve their safety and economic value.

SOLUTIONS

Hazardous Waste Disposal System

01/ Tower-Type Shredding System for Flammable Waste

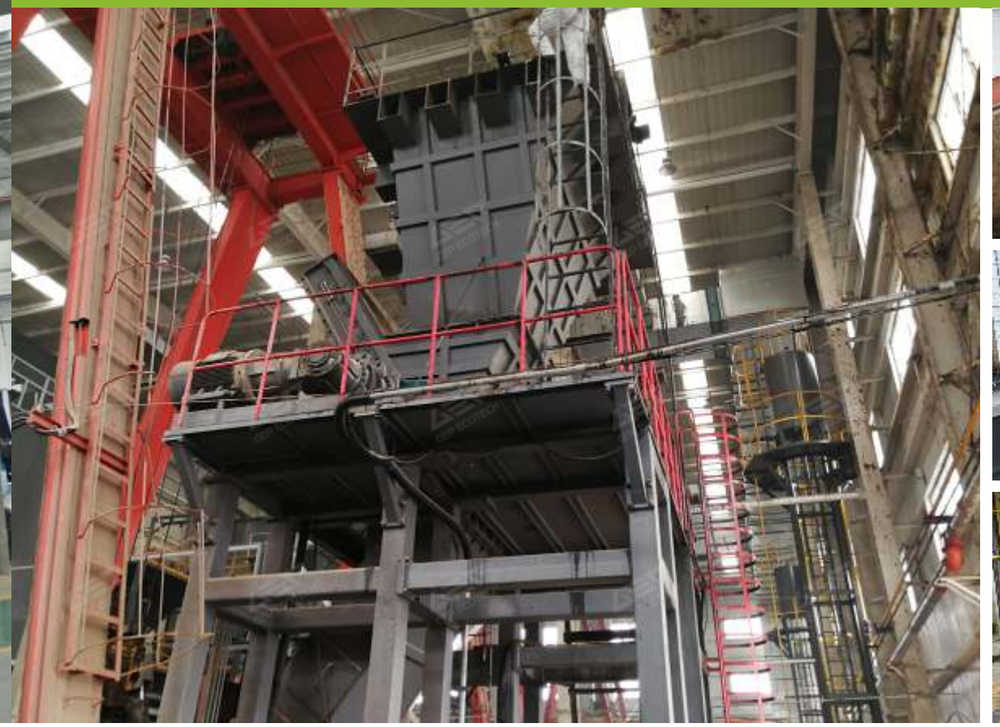
GEP ECOTECH's Tower-type hazardous waste shredding unit combines a lifting system, storage bin, safety and protection system, shredding system, fire protection system, intelligent control system and service and maintenance system to maintain efficient and low-failure operation in the process of the complex composition of hazardous waste with many categories and unpredictability.

The lower gate is closed before feeding; the material is fed through the intelligent feeding system and pushed into the shredder by the hydraulic pusher, at which point the upper gate is closed and nitrogen charging begins until the oxygen content is below 6%; the shredder is started to shred the materials to the required size; then the lower gate is opened and the material is discharged.

The system can also be supplied with a two-stage shredding process depending on the customer's requirements for discharge size. The primary shredder is electrically or hydraulically driven and designed for high torque and high shredding capacity; the secondary shredder is electrically or hydraulically driven for secondary fine shredding of material to smaller sizes.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

PROJECT CASES



02/ Horizontal-Type Shredding System

This is a simple waste disposal system suitable for the disposal of non-flammable and explosive hazardous wastes as well as other industrial wastes such as containers that have been loaded with dangerous gases, liquids, and solids but are currently empty: metal barrels, plastic barrels, IBC barrels, paint barrels, chemical waste, expired drugs. If necessary, gas and liquid collection equipment can be installed to prevent secondary pollution.

When working, the main double-shaft shredder in the system is responsible for shredding materials, and the shredded materials can be output by the belt conveyor.

Horizontal-type shredding system has simple structure, convenient maintenance, good treatment effect and long service life.

Take advantages of GEP Ecotech tire recycling expertise to help your project succeed

Industrial hazardous waste disposal project in Guangxi, China

The project uses GEP ECOTECH's self-developed Tower-Type Hazardous Waste Shredding System for the disposal of flammable and explosive industrial hazardous waste such as 200L iron/plastic drums, IBC tonne drums, paint drums, etc. The shredded materials size is <200mm and the output is 5-12 tonnes per hour. The system has been professionally designed to prevent corrosion, leakage and explosion to achieve safety and control throughout the whole process from feeding to shredding.

Horizontal-Type System for Processing Waste Container in Henan

This is a project located in central China, operated by a very well-known local hazardous waste management company. The main materials processed include paint iron drums, oil drums, IBC chemical drums, and other solid waste. The main processes include shredding and pelleting. The whole system runs in a negative pressure workshop, no gas leakage occurs. GEP Ecotech provided preliminary technical consultation and a complete set of equipment for this project. As of June 2021, the entire system is operating well, the customer is very satisfied with it.

RECYCLING

Industrial& Commercial Solid Waste Disposal System

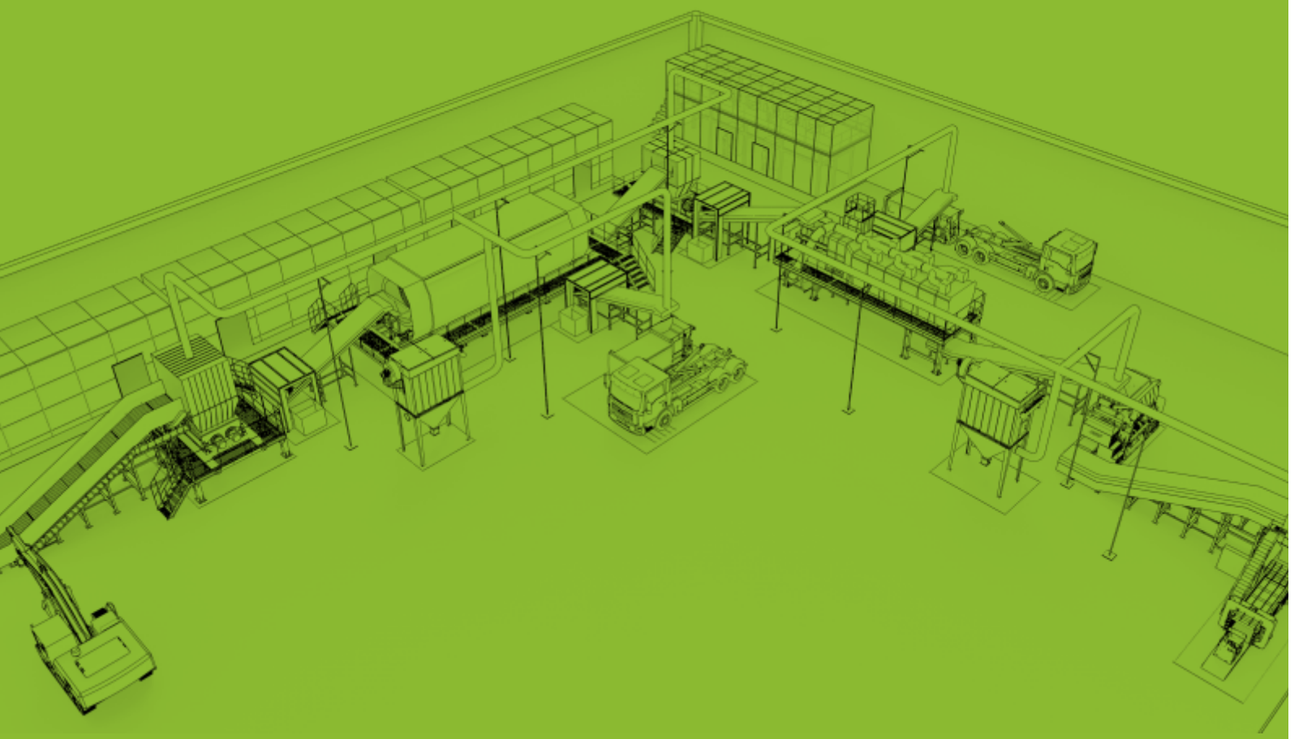
Commercial and industrial solid waste is the waste generated during industrial production or commercial activities. There are many different types of waste, including large quantities of waste paper products, waste plastics, rags and various textiles, waste rubber, broken leather products, waste wood and other high calorific value waste. The large amount of industrial and commercial solid waste generated takes up space and may contaminate the soil, groundwater or air and should be disposed of promptly. (Note that commercial and industrial solid waste under this section does not include hazardous and toxic waste, such as medical waste from hospitals, radioactive waste, etc.)

The disposal of commercial and industrial waste revolves around volume reduction, reuse and recycling. Depending on the characteristics of the material, a multi-stage shredder or crusher is used to reduce the volume of the material; separators such as an iron separator is used to separate the reusable metals such as iron, aluminum, copper and zinc; other materials can be recycled after separation, some high calorific value materials can also be produced as fuel and other worthless materials can be sent to landfill.

GEP ECOTECH offers integrated industrial solid waste disposal systems that are not only suitable for specialized solid waste disposal centres, but are also used by companies that generate large quantities of industrial solid waste. They have completely solved the problem of the large volume, complex composition and difficulty of disposal of industrial and commercial waste that exists worldwide.

SOLUTIONS

Industrial& Commercial Solid Waste Disposal System



01/ Compact C&I Waste System

Industrial waste is sent by conveyor to the pre-shredder for shredding, the shredded material is sent by belt conveyor to the trommel screen for screening, the magnetic separator placed above the belt conveyor separates the magnetic metal; the screened off material is again screened by the magnetic separator for usable magnetic metal, while the unusable other materials are sent to the landfill. The screened material is subjected to secondary shredding, magnetic separation and air separation, in which unusable heavy material after magnetically separated from the usable metal is sent to landfill, while the valuable light material is finely shredded into small particles and sent to the forming machine, which continuously produces RDF fuel, and eventually sent to the power plant for incineration.

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PROJECT CASES

Waste Textile Shredding and disposal Project in Henan, China

After sorting, classifying, shredding and packing, the waste textile material is processed to achieve rational application of resources, with an output of 2-5 tons per hour and a shredded size of <300 mm. For the characteristics of the fabric, the shredder's fixed cutters adopt a unique cutter shaft structure and anti-winding cutter design, which effectively prevents the fabric from winding and greatly improves the shredding efficiency of the shredder.

Industrial solid waste disposal project in South Korea

For industrial waste like paper will waste, industrial scraps, etc, need a powerful machine to shred them. A customer from Korea chose GEP ECOTECH's complete solution with the GDI series industrial waste shredder as the core machine to process into a high value final material that can be easily recycled or incinerated. The overall output (20-30t/h) and discharge size (approx. 200mm) met the customer's requirements.

EQUIPMENT

Patented Products

International Quality System Certification

CE Certification

Double-Shaft Industrial Shredder GDI

GDI is very compact and high efficiency machines which are able to process high quantities of materials with small installed power.

GC Pre-Shredder

Pre-shredders are efficient waste processing machines utilized in recycling and waste processing applications.

3rd Generation Fine Shredder

The GSE series single rotor shredder is suitable for processing a wide range of materials to a small and uniform size.

Rotary Drum Screen

Drum Screen is available in different designs and suitable for numerous applications of solids-liquid separation.

SHARING THE
| GREEN TECHNOLOGY |
共享绿色科技

NATIONAL PATENT

Shredder and Its Chamber	Patent No.:ZL 2017 2 1351290.X
A Kind of Shredder Cutter Chamber and Cutter Chamber Assembly and Shredder	Patent No.:ZL 2017 2 1349588.7
Cutter Assembly for Shredder and Axial Top Pressure Structure	Patent No.:ZL 2019 2 0454810.2
A Shredder Chamber and a Shredder Having such a Chamber	Patent No.:ZL 2017 2 1351102.3
Negative Pressure Dust Removal Device	Patent No.:ZL 2017 2 0572159.X
A Crusher Control System	Patent No.:ZL 2019 2 0259196.4

SOFTWARE COPYRIGHT

Waste Shredding Intelligent Dust Reduction System	Registration number: 2019SR0053423
Crusher Operation Self-Diagnosis System	Registration number: 2019SR0071856
Crusher Operation and Maintenance Monitoring System	Registration number: 2019SR0067379
Crusher Intelligent Monitoring System	Registration number: 2019SR0072287
Shredder Monitoring System	Registration number: 2019SR0071791
Automatic Shredder Spindle Cooling Control System	Registration number: 2019SR0072440
Shredder Self-Diagnostic Analysis System	Registration number: 2019SR0067377

DIGITAL GEP ECOTECH

2012

Founded in 2012, GEP Group has taken resource recycling as our mission and is committed to the research and development, production, sales and service of intelligent solid waste shredding equipment and its supplementary equipment, as well as providing professional and customized system solutions for solid waste disposal production lines. With more than ten years of experience, GEP has covered dozens of countries and regions around the world, and has become a major force in the solid waste field.

66000

Our company have an efficient intelligent equipment manufacturing base with a total area of 66,000 square meters, equipped with complete high-precision equipment processing systems such as CNC vertical machining centers, CNC gantry machining centers, CNC lathes, CNC grinders, CNC wire cutting, and an experienced professional technical team. It can achieve the efficient production demand of 400 sets of intelligent environmental protection equipment per year, ensuring timely delivery of various customer orders.

150+

Our company has been awarded National High-Tech Enterprise, Henan Solid Waste Resource Recycling Equipment Engineering Technology Research Center, Henan Province “Professionalization, Refinement, Specialization, Novelty”Small and Medium Enterprise, Henan Province Science and Technology Small and Medium Enterprise, Zhengzhou City Science and Technology Little Giant and other enterprise awards. It has obtained 128 national patents and 39 software copyrights, and has successfully passed the ISO “three systems” certification for quality management, environment management, and occupational health and safety management, as well as the Europe Union CE certification.

70+

Our company has made achievements in eight fields, namely, bulky waste recycling, biomass recycling, industrial waste recycling, construction and demolition waste recycling, waste tires recycling, hazardous waste recycling, food waste recycling and MSW recycling, winning the favor of more than 70 overseas clients and successfully helped customers achieve the recycling of solid waste, showcasing the intelligent manufacturing capability of Chinese environmental protection equipment manufacturing enterprise to the world.

WORRY-FREE SERVICE

Our commitment

The service we supply is more than the products you buy
When you buy a product, you are buying a service that covers the entire life cycle of the product.

30

A response to technical enquiries within 30 minutes

24

Engineer dispatch within 24 hours

12

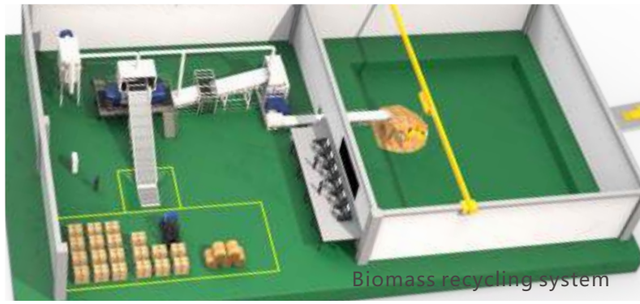
Free repair within 12 months of delivery

365

365 days a year for service requests

SERVICE SECTORS


Bulky waste recycling system

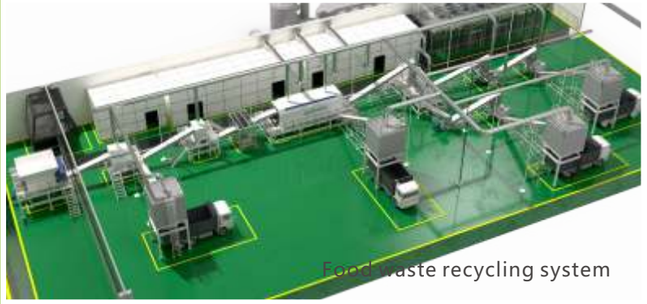

Biomass recycling system


Industrial waste recycling system


Construction and demolition waste recycling system


Waste tire recycling system


Tower type hazardous waste recycling system


Food waste recycling system


Domestic waste recycling system

PRODUCT FAMILY

Double-Shaft Bulky Waste Shredder

Double-Shaft Food Waste Shredder

Double-Shaft Industrial Waste Shredder

Double-Shaft Waste Tire Shredder

Pre-Shredder

Four-Shaft Shredder

Third Generation Europe Type Fine Shredder

Single Rotor Fine Shredder

Double-Shaft Biomass Shredder

Double Rotor Fine Shredder

Jaw Crusher

Impact Crusher

Cone Crusher

Vertical Shaft Impact Crusher

Mobile Crusher Plant

Mobile Shredder Plant

RDF Pelleting Mill

Wind Sifter