

SHARING THE GREEN TECHNOLOGY

Patents ZL 2020 1 1009400.0
ZL 2022 2 1869567.9
ZL 2022 2 0838557.2



Patented Products



International
Quality System
Certification



CE Certification



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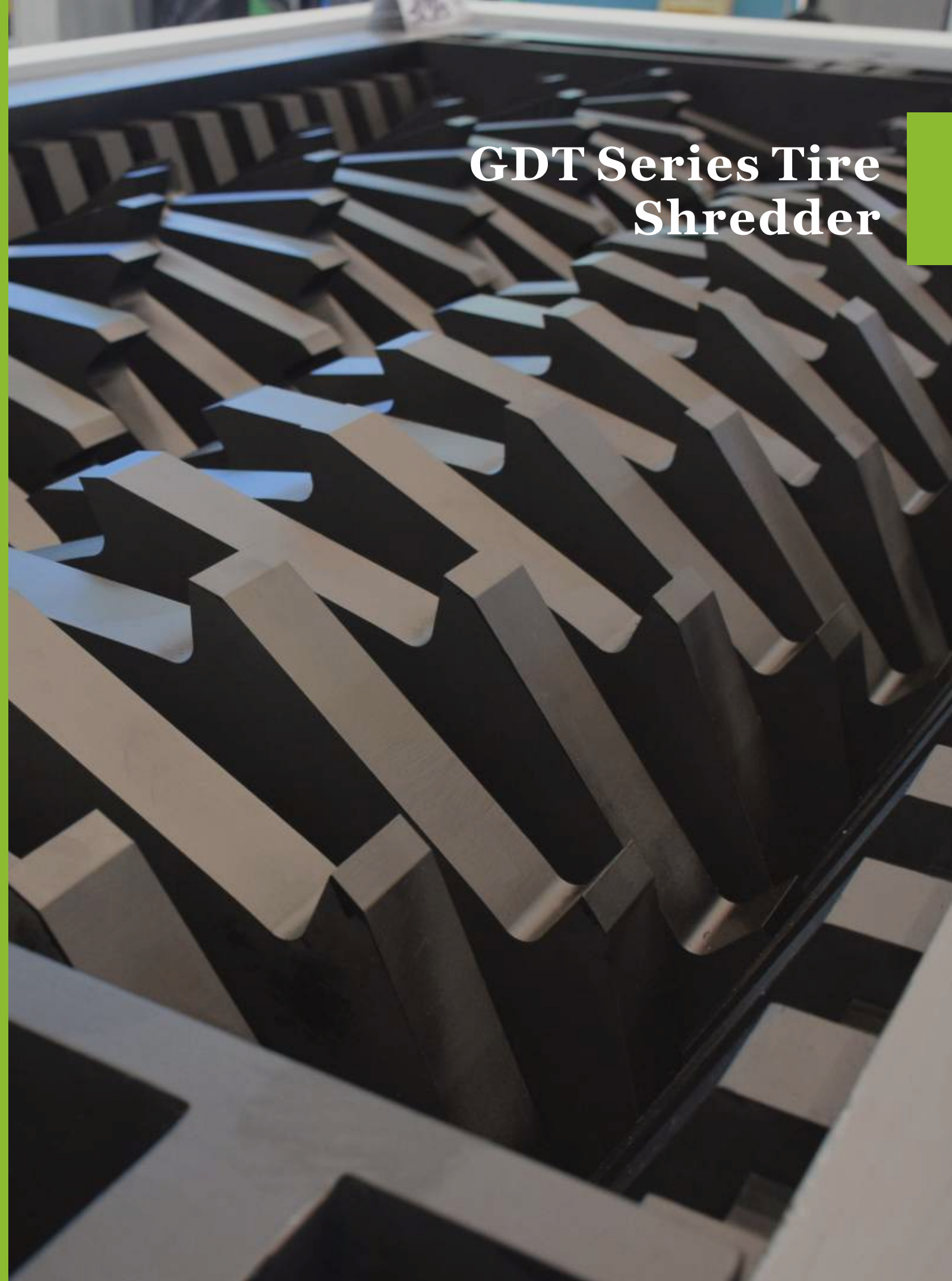
GDT Series Tire Shredder



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GDT Series Tire Shredder

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PRODUCT DESCRIPTION

At present, the number of cars in the world has exceeded 1 billion, the annual production of waste tires up to 1.7 billion, has become the second largest source of pollution in addition to exhaust emissions. Scrap tires are known as black gold mine and have high utilization value, which can be used for oil cracking and refining, cement kiln incineration etc. through shredding and grinding processes. With the design concept of energy saving, consumption reduction and emission reduction, the GDT series tire crusher of Gep Ecotech adopts the structure design combining double shaft shredder and ring roller screen, which can ensure the output and discharge size to meet the production requirements, and is the necessary equipment for the pre-shredding pretreatment of waste tire reuse.

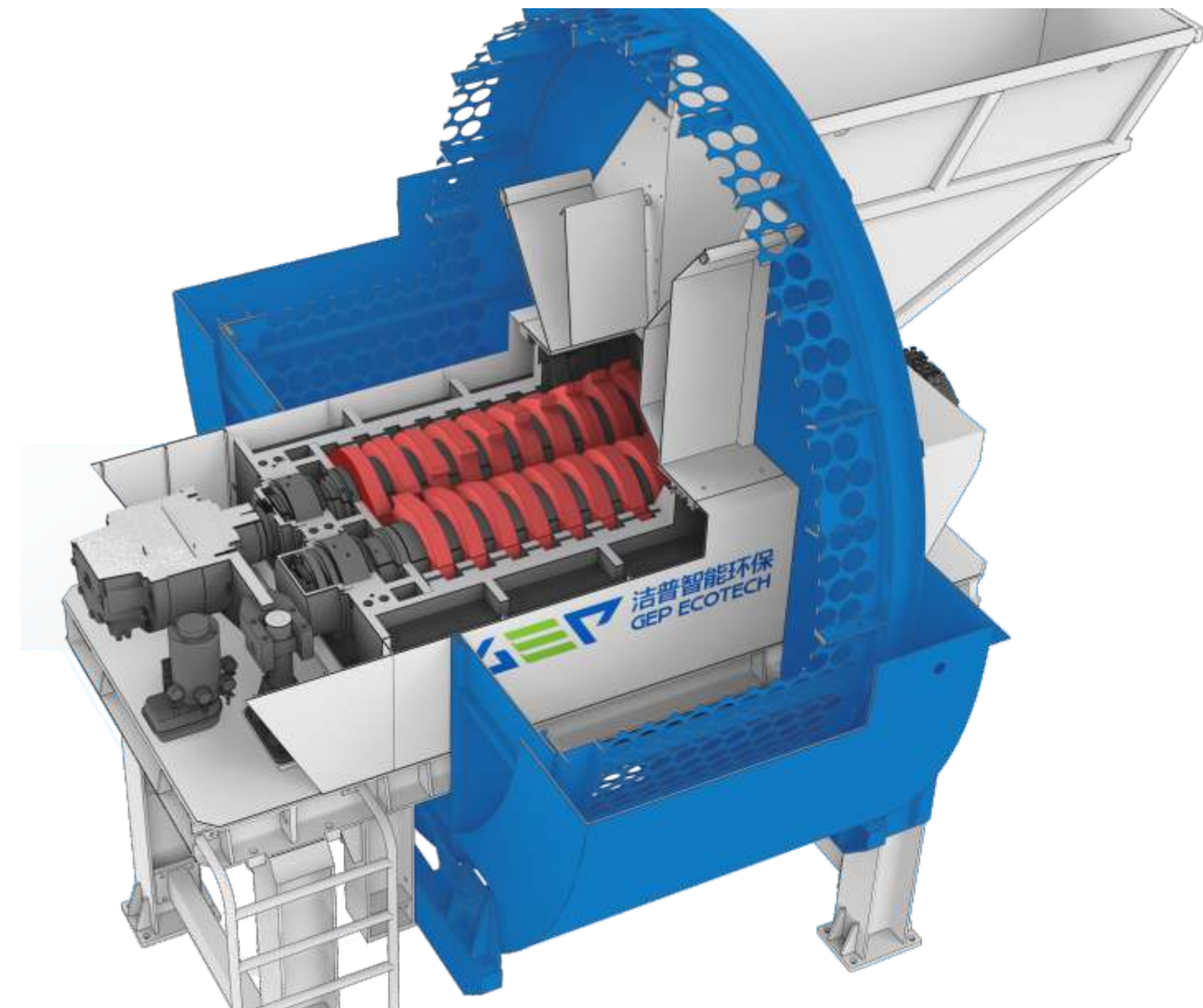


» Equipment composition

Main machine (including drive part), electrical control cabinet, automatic lubrication part, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

» Working principle

When the tire enters the shredding chamber, after shearing and tearing by the relative rotating cutters, it falls onto the rotating drum screen, and the material that passes through the screen hole falls off directly, and the material that cannot pass through the screen hole is brought back to the knife box, and is repeatedly sheared by the moving knives until it can pass through the screen hole.



Product Highlights



01/

» Integral cutters

- The alloy steel material is used to make the integral cutters, which is repairable, compatible with high wear resistance and high strength, and has a long life.
- S-type cutters arrangement, good material grasping effect; interchangeable cutters, low cost, easy maintenance and replacement.



02/

» Removable fixed cutters

- The independent detachable fixed cutters can be quickly replaced, saving time and effort and reducing downtime.
- Made of high-strength wear-resistant steel plate processed by high-precision equipment, it is wear-resistant and has a long service life.



03/

»» Novel structural design

- The structure design of the combination of a double-shaft shredder and an annular roller screen is adopted to realize screening while shredding, saving space and cost.

With double-shaft shredder as the core, it can easily deal with car tires or truck tires, bias tires or radial tires, pneumatic tires or solid tires, small car tires $\leq 800\text{mm}$ or large vehicle tires $\geq 900\text{mm}$, etc.



05/

»» Intelligent monitoring system

- GI intelligent system can not only monitor the operation of the equipment in real time, but also ensure that the equipment is always in good running condition by providing early warning before the failure occurs
- Intelligent centralized control system and human-machine interface make the operation on site more time-saving, labor-saving and mind-saving.



04/

»» Automatic lubrication system

- With the national patented automatic lubrication system, it always ensures sufficient oil in the bearings to reduce the bearing wear and avoid the inconvenience of human operation.
- Multi-combination seal protects imported bearings from interference, dustproof and anti-fouling to guarantee continuous and stable operation of equipment.



06/

»» Motor and hydraulic drive dual option

- Option 1: Double three-phase asynchronous motor + double planetary reducer drive, strong power, high torque and reliable operation.
- Option 2: Hydraulic motor drive. The spline hollow shaft direct drive design, with flexible installation, can make the tool shaft respond quickly, with high load capacity and reduced pressure loss.



Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GDT6	1-5	50-300	4100×3200×3060
GDT8	2-7	50-300	4300×3200×3160
GDT9	3-10	50-300	5400×3200×3260
GDT10	4-12	50-300	5500×2780×3457
GDT12	5-15	50-300	6000×3260×3656
GDT13	6-20	50-300	6350×3490×4025
GDT15	10-30	50-300	6900×3700×4500

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Model Projects

MODEL PROJECTS





**INTELLIGENT SOLID WASTE DISPOSAL SOLUTION
PROVIDER AND EQUIPMENT MANUFACTURER**

NATIONAL PATENT



Double-Shaft Shredder	Patent No.:ZL 2020 1 1009400.0
A Tire Shredder Leakage Protection Mechanism	Patent No.:ZL 2022 2 1869567.9
Vibrating Type Screen Drum Anti-blocking Structure for Tire Shredder	Patent No.:ZL 2022 2 0896998.8
Dredging Type Screen Drum Anti-blocking Structure for Tire Shredder	Patent No.:ZL 2022 2 0896525.8
A Screen Drum for Tire Shredder	Patent No.:ZL 2022 2 0838557.2
Screen Drum Drive Structure for Tire Shredder	Patent No.:ZL 2022 2 0838682.3

SOFTWARE COPYRIGHT



Intelligent Control System for Tire Crushing Production Line	Registration number: 2019SR0069799
Intelligent Monitoring System for Garbage Crushing Production Line	Registration number: 2019SR0072410
Intelligent Monitoring System for Crushing Production Line	Registration number: 2019SR0053414
Intelligent Dust Reduction System for Garbage Crushing	Registration number: 2019SR0053423
Crusher Operation Self-diagnosis System	Registration number: 2019SR0071856
Crusher O&M Monitoring System	Registration number: 2019SR0067379
Crusher Intelligent Monitoring System	Registration number: 2019SR0072287



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

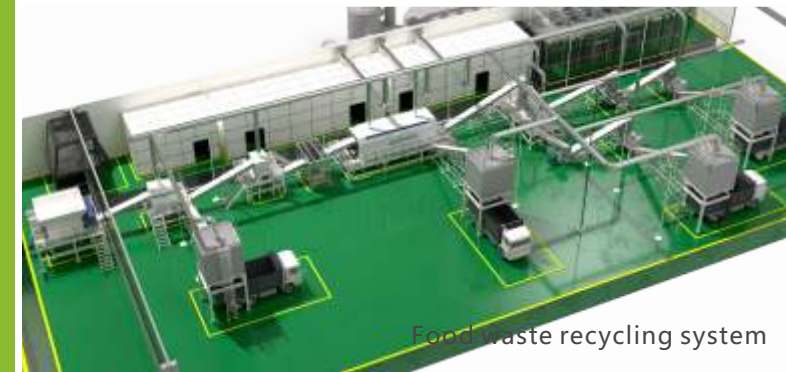
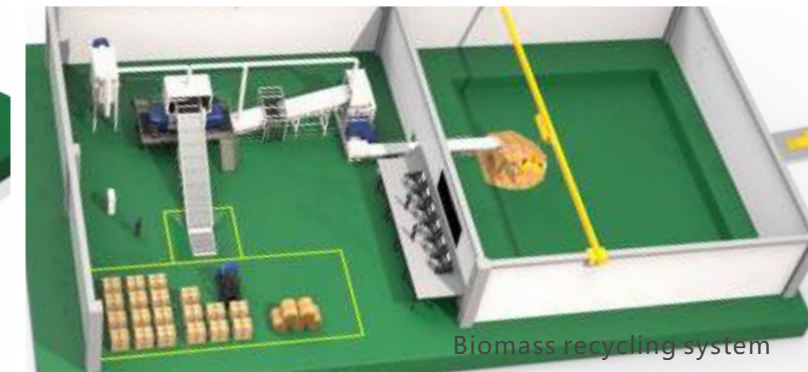
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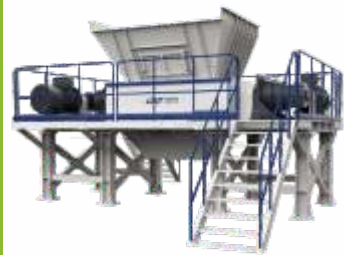
Free repair within 12 months
of delivery

365

365 days a year for
service requests

SERVICE SECTORS





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

PRODUCT FAMILY



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