

SHARING THE GREEN TECHNOLOGY

ZL 2019 2 0154367.7
Patents ZL 2017 2 1351102.3
ZL 2017 2 1349588.7



Patented Products



International
Quality System
Certification



CE certification



郑州洁普智能环保技术有限公司
ZHENGZHOU GEP ECOTECH CO., LTD

T:+86-371-56177311 F:+86-371-56177322

Email: sales@gepecotech.com

中文官网 : www.gephb.com
英文官网 : www.gepecotech.com

中国-郑州-高新区长椿路23号
No.23 Changchun Road , High-tech zone, Zhengzhou, China

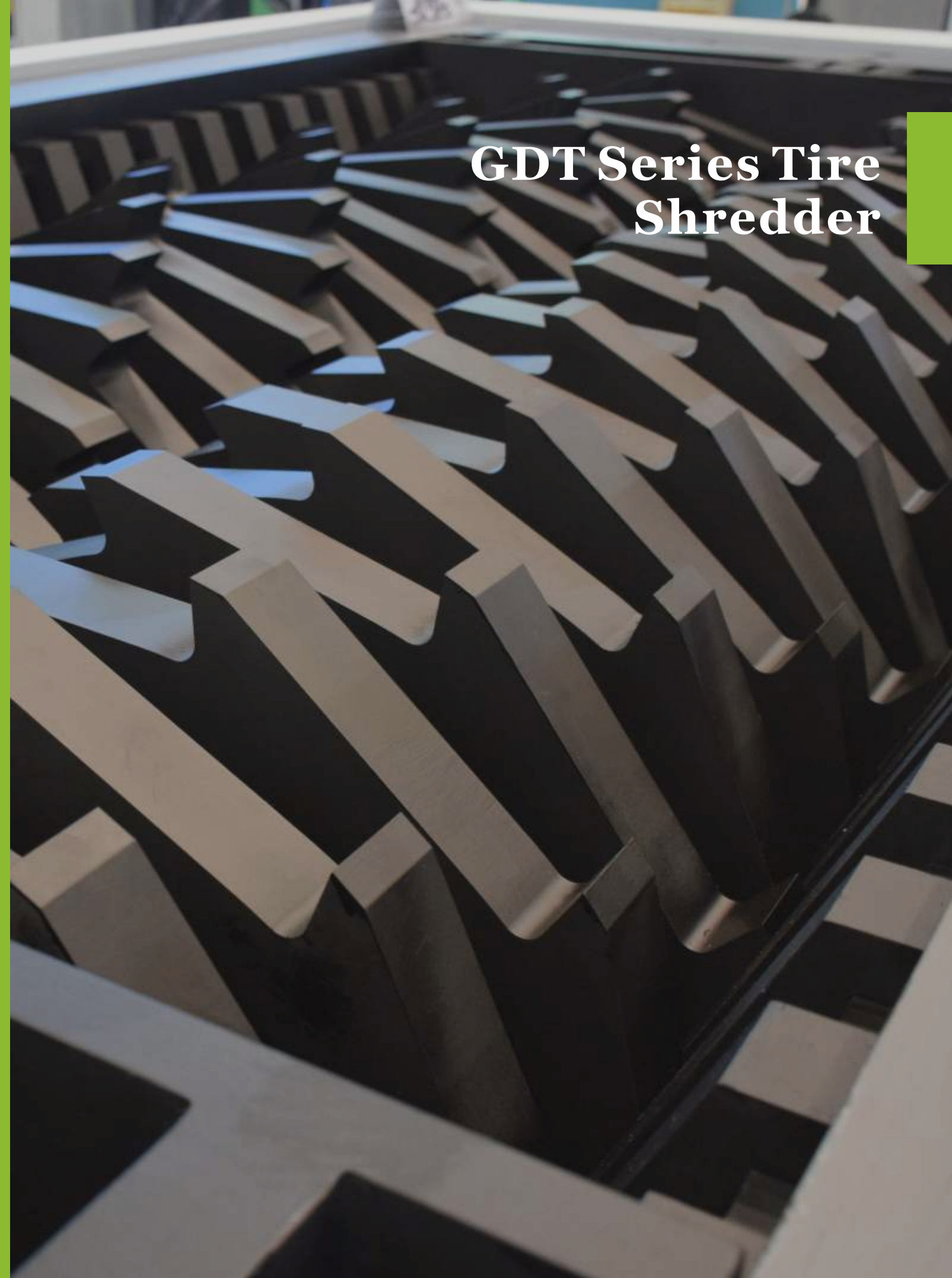
GDT series Tyre shredder



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GDT Series Tire Shredder

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R & D BACKGROUND

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.

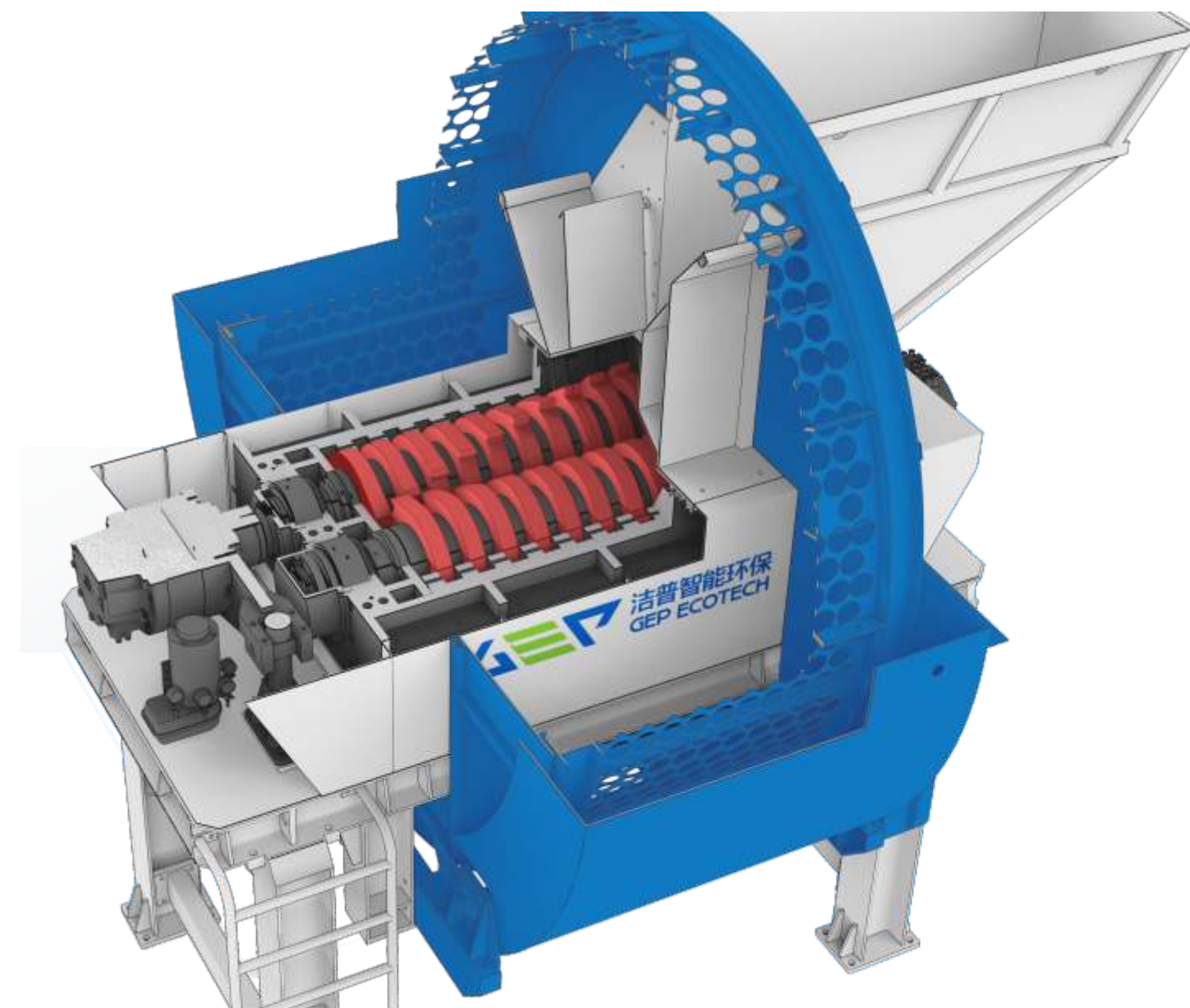


» Equipment composition

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.





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共享绿色科技

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



INTELLIGENT SOLID WASTE DISPOSAL SOLUTION PROVIDER AND EQUIPMENT MANUFACTURER

NATIONAL PATENT



Shredder and its chambers	Patent No.:ZL 2017 2 1351290.X
A kind of split-type fixed knife structure for shredder knife box	Patent No.:ZL 2019 2 0154368.1
A kind of shredder knife box with fixed knife structure	Patent No.:ZL 2019 2 0154367.7
A kind of shredder knife box and knife box assembly and shredder	Patent No.:ZL 2017 2 1349588.7
Tool assembly and axial top pressure structure for shredder	Patent No.:ZL 2019 2 0454810.2
A shredder's chamber and a shredder having such a chamber	Patent No.:ZL 2017 2 1351102.3

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



Equipment manufacturing base



DIGITAL GEP ECOTECH

2007

Founded in 2007, 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 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.

35000

Located in the Yuan Yang County Industrial Cluster, the high-efficiency intelligent environmental protection equipment manufacturing base has a total investment of 500 million yuan, covering a total area of 100 mu, with a total construction area of 35,000 square meters, an annual output of 400 sets of high-efficiency intelligent environmental protection equipment, and an annual output value of more than 500 million. With CNC wire-cut machine tools, CNC lathes, vertical machining centres, CNC gantry machining centres and more than 100 sets of precision processing equipment.

100+

The company has now been awarded as a high-tech enterprise, AAA grade credit rating enterprise, provincial and municipal solid waste resource recycling equipment engineering technology research centre and other corporate awards, has obtained 75 national patents and 15 software copyrights, and has successfully passed the ISO three system certification (quality, environment and occupational health) and the CE certification.

8

GEP ECOTECH is deeply committed to the 8 major fields of bulky waste disposal, biomass fuel pre-shredding, food waste comprehensive disposal, industrial waste comprehensive disposal, waste tire recycling disposal, hazardous waste shredding, domestic waste shredding and sorting, construction & decoration waste disposal, with rich experience, excellent equipment and services.

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

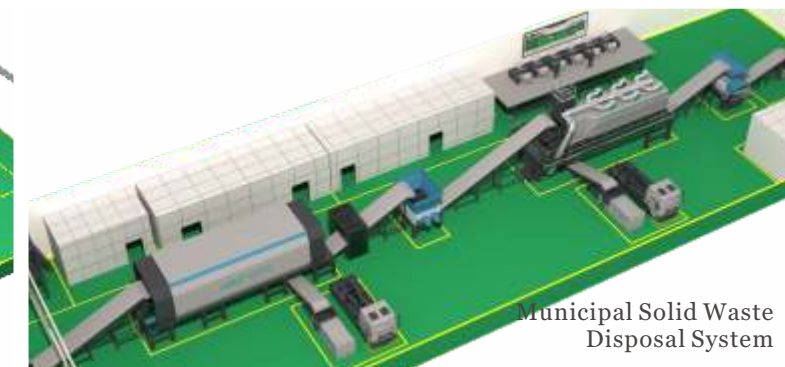
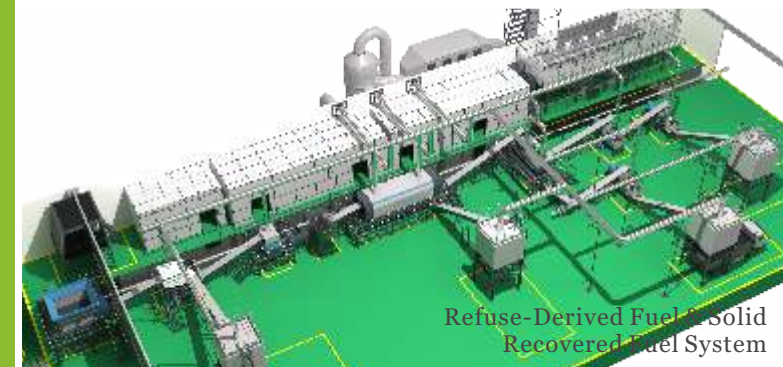
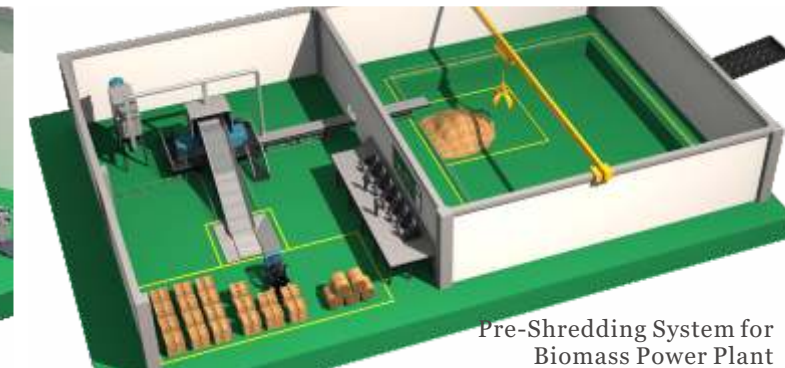
12

Free repair within 12 months
 of delivery

365

365 days a year for
 service requests

SERVICE SECTORS





GDL Bulky Waste Shredder



GDF Food Waste Shredder



GDI Industrial Waste Shredder



GDT Tyre Shredder



GC Pre-shredder



GF Four Shaft Shredder



GSX Flat Push Single Shaft Fine Shredder



GSS European Single Shaft Fine Shredder



GDB Biomass Shredder

INTELLIGENT SOLID WASTE DISPOSAL SOLUTION PROVIDER AND EQUIPMENT MANUFACTURER



GSD Double Shaft Fine Shredder



GEC Jaw Crusher



GEF Impact Crusher



GEV Vertical Shaft Impact Crusher



GPW Tyre Solid Waste Mobile Shredding Plant



GPC Crawler Solid Waste Mobile Shredding Plant



Flip-flow Screen Gesc Series



Rotary Drum Screen Gts Series



Wind Sifter Gfx Series