

SHARING THE GREEN TECHNOLOGY

Patents ZL 2019 2 0154368.1
ZL 2019 2 0154367.7
ZL 2017 2 1351290.X



Patented Products



International
Quality System
Certification



CE certification



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GF Series Four-Shaft Shredder

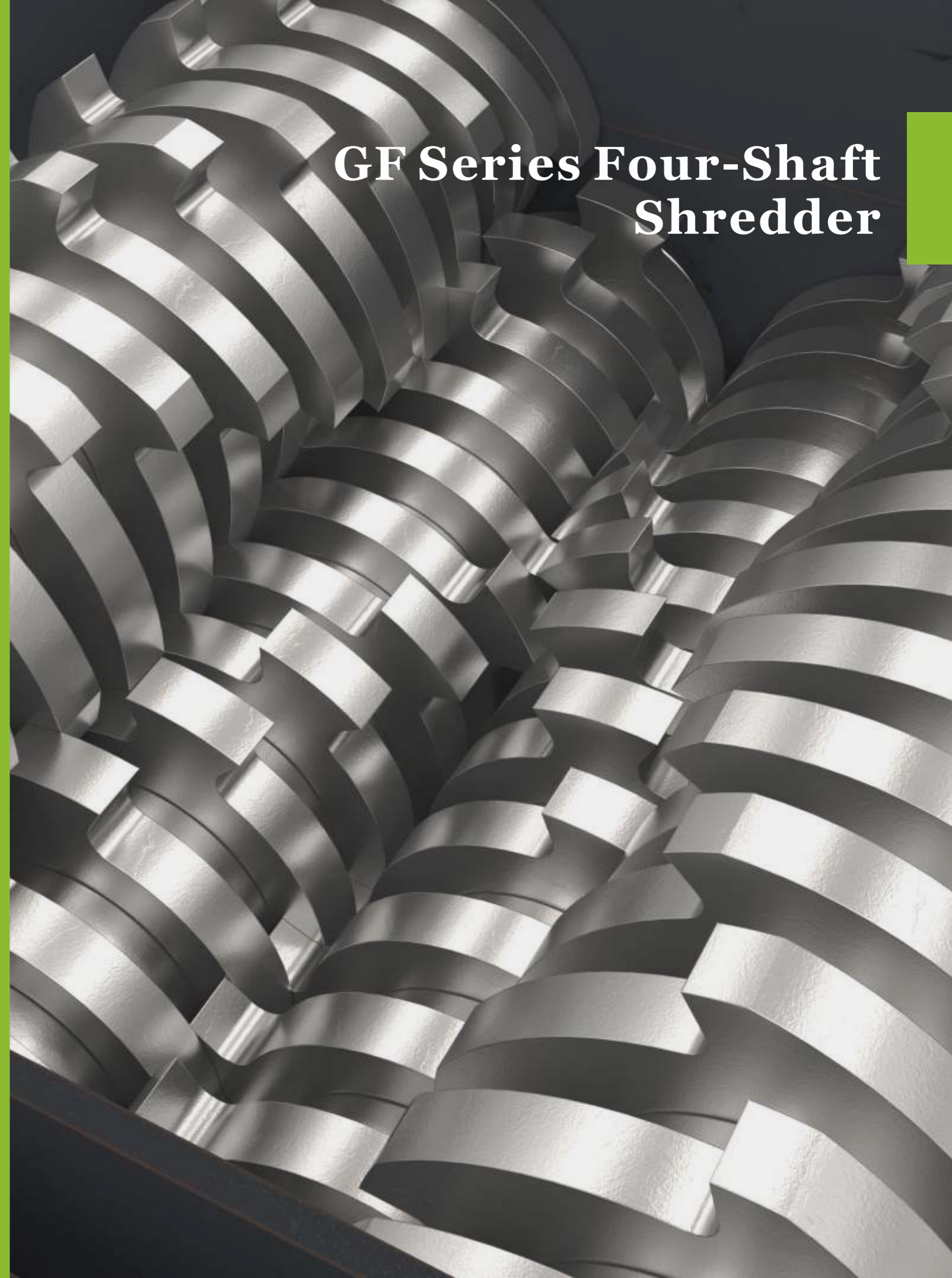


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R & D BACKGROUND

The four-shaft shredder has the same operating principle as the twin-shaft shredder, but is able to provide greater shear forces and higher shredding efficiency than the twin-shaft shredder, but of course at a relatively higher price for the same power. The high level of the cutter assists in shredding and gripping the material, thus making it easier for the material to enter the cutter chamber and eliminating the need for an additional press mechanism. It comes with a screen that can be sieved and changed quickly, and the material size can be adjusted according to the screen aperture. It is a powerful and versatile machine.

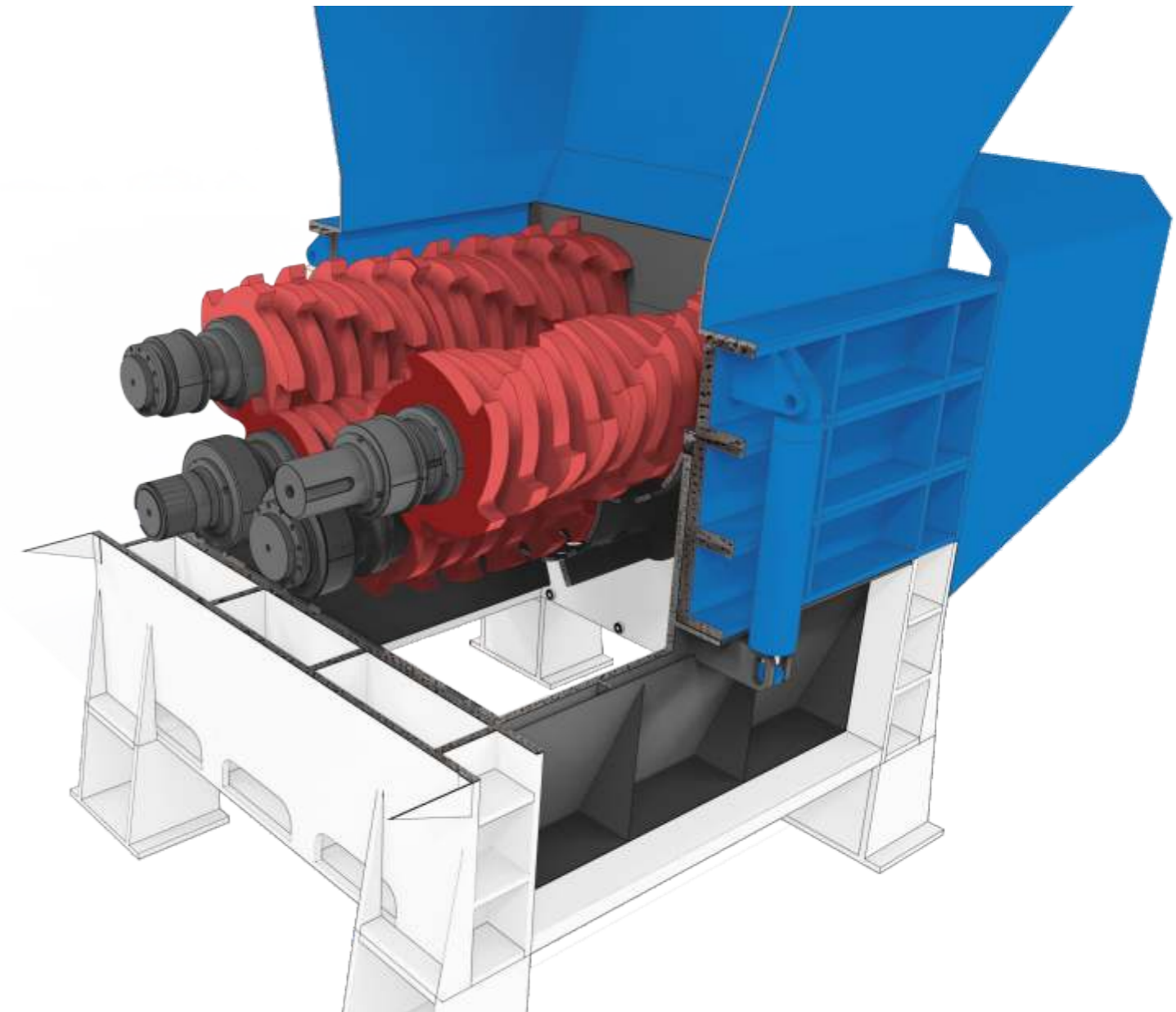


»» Equipment composition

Main machine (with motor, reducer or hydraulic motor), feed hopper section, electrical control cabinet, automatic lubrication section, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

»» Working principle

After entering the shredding chamber, the material is shredded into small pieces by the tearing and shearing action of the cutters on the four sets of cutter rollers. The size of the discharge is controlled by the screen. After the material is cut once, the material whose particle size is smaller than the screen mesh is discharged from the bottom of the box under the action of gravity and squeezing force. The material with the size larger than the screen mesh is guided by the main cutters and the auxiliary cutters. The function is to return to the shredding box along the inner surface of the screen for secondary cutting, and so on, until the material can be discharged from the screen hole.



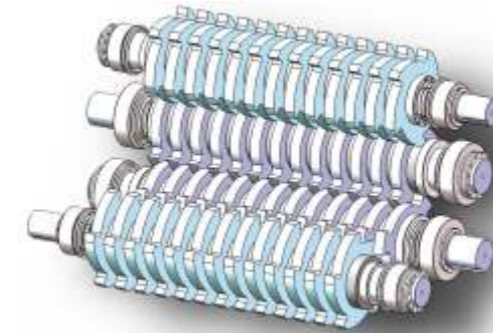
Product Highlights



01/

» Four cutter shaft structure

- Unique four cutter shaft structure and cutter tooth shape, the lower two sets of cutter rolls are responsible for the main shredding, the upper two sets of cutter rolls are responsible for auxiliary shredding and gripping material, reducing ineffective gripping, reversing and idling time, high efficiency.



02/

» High performance cutters

- The raw material of the cutter is made of imported alloy steel, which has high wear resistance, moderate toughness, strong interchangeability and long service life.



03/

» High Strength Spindle

- The shafts are made of high-strength alloy steel, which has been heat-treated and processed with high precision for good mechanical strength, high fatigue and impact resistance and long service life.



05/

» GI intelligent system

- The GI intelligent monitoring system enables automatic memory, data analysis, fault prediction, alarm shutdown and intelligent maintenance.



04/

» Automatic lubrication system

- The automatic bearing lubrication system ensures that the oil in the bearings is always sufficient to reduce the occurrence of bearing damage.



06/

» Dual options for motor and hydraulic drive

- Option One: Dual three-phase asynchronous motors + dual planetary reducer drive for strong power, high torque and reliable operation.
- Option two: hydraulic motor drive system configured with high quality hydraulic pumps and valve sets, strong power output, ensuring stable operation of the hydraulic system.

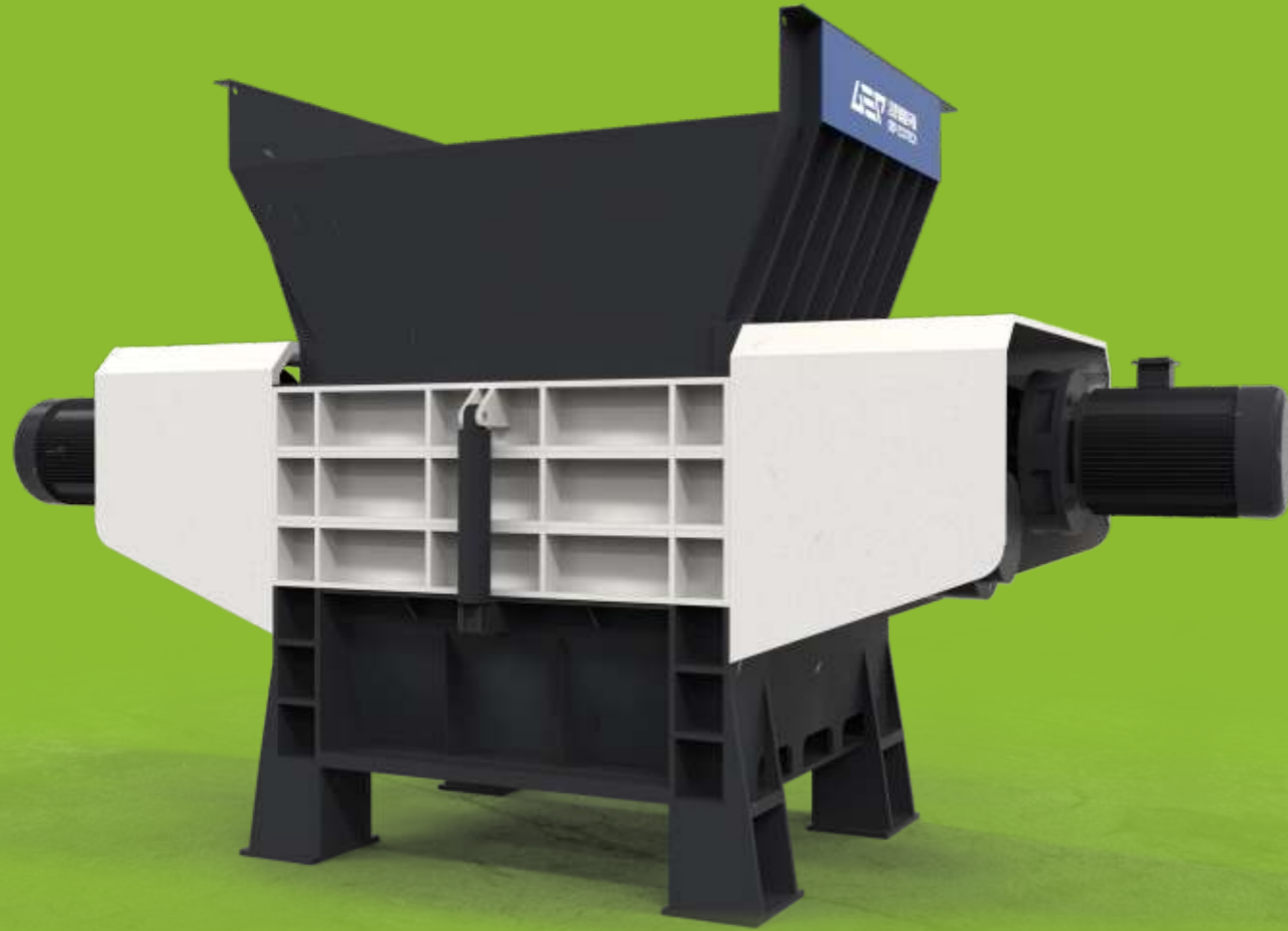




Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GF13	1-6	50~150	3200×2000×3000
GF15	2-10	50~150	4000×2000×3000
GF18	3-15	50~150	4500×2200×3200

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NATIONAL PATENT



Shredder and its chamber	Patent No.:ZL ZL 2017 2 1351290.X
A kind of shredder cutter chamber with a split fixed cutter structure	Patent No.:ZL ZL 2019 2 0154368.1
A kind of shredder cutter chamber with fixed cutter structure	Patent No.:ZL ZL 2019 2 0154367.7
A kind of crusher control system	Patent No.:ZL ZL 2019 2 0259196.4
Negative pressure dust removal device	Patent No.:ZL ZL 2017 2 0572159.X

SOFTWARE COPYRIGHT



Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0053423
Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0071856
Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0067379
Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0072287
Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0071791
Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0072440
Waste shredding Intelligent Dust Reduction System	Registration number: 2019SR0067377

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



Equipment manufacturing base



DIGITAL GEP ECOTECH

2007

35000

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.

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+

8

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.

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

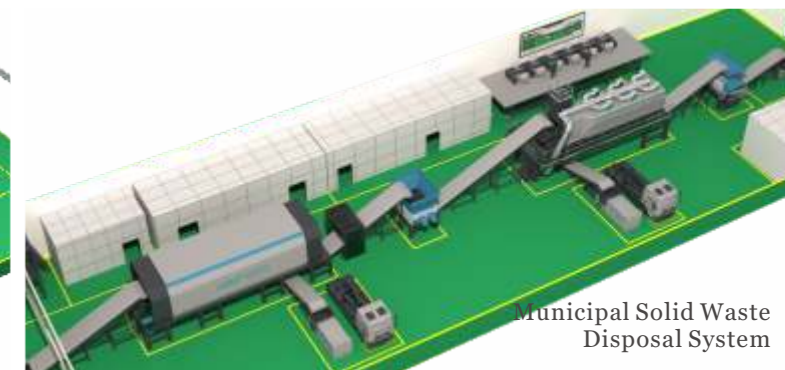
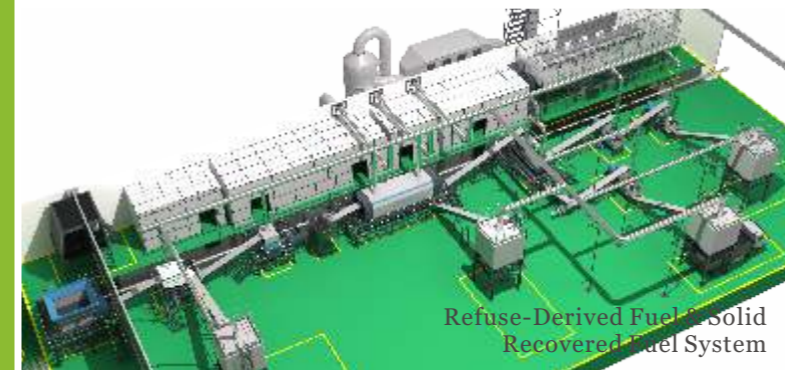
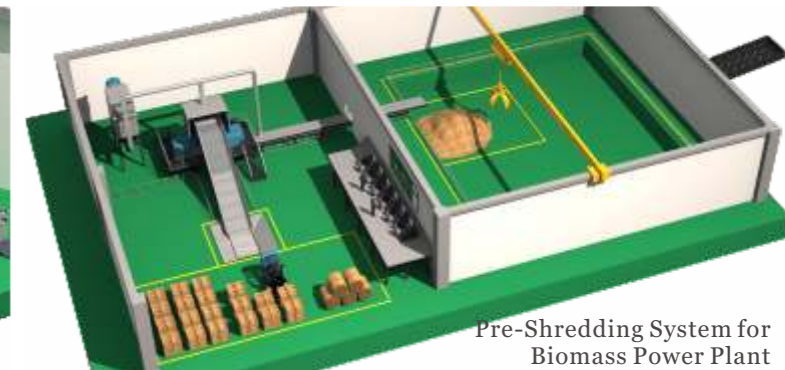
12

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