

SHARING THE GREEN TECHNOLOGY

Patents ZL 2022 2 0875642.6
ZL 2022 2 0430143.6



Patented Products



International
Quality System
Certification



CE Certification



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GF Series Four-Shaft Shredder



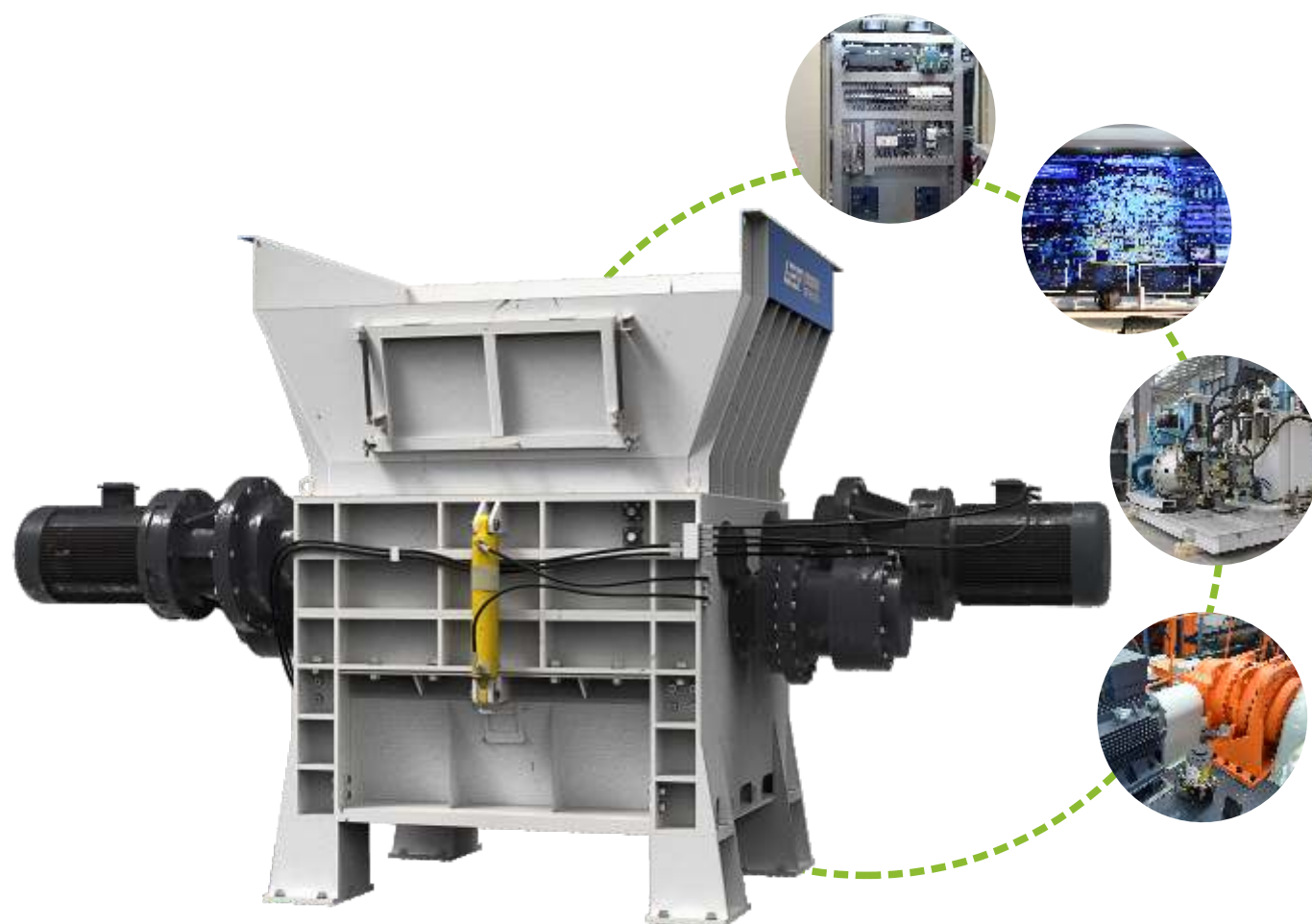
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GF Series Four-Shaft Shredder

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PRODUCT DESCRIPTION

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.

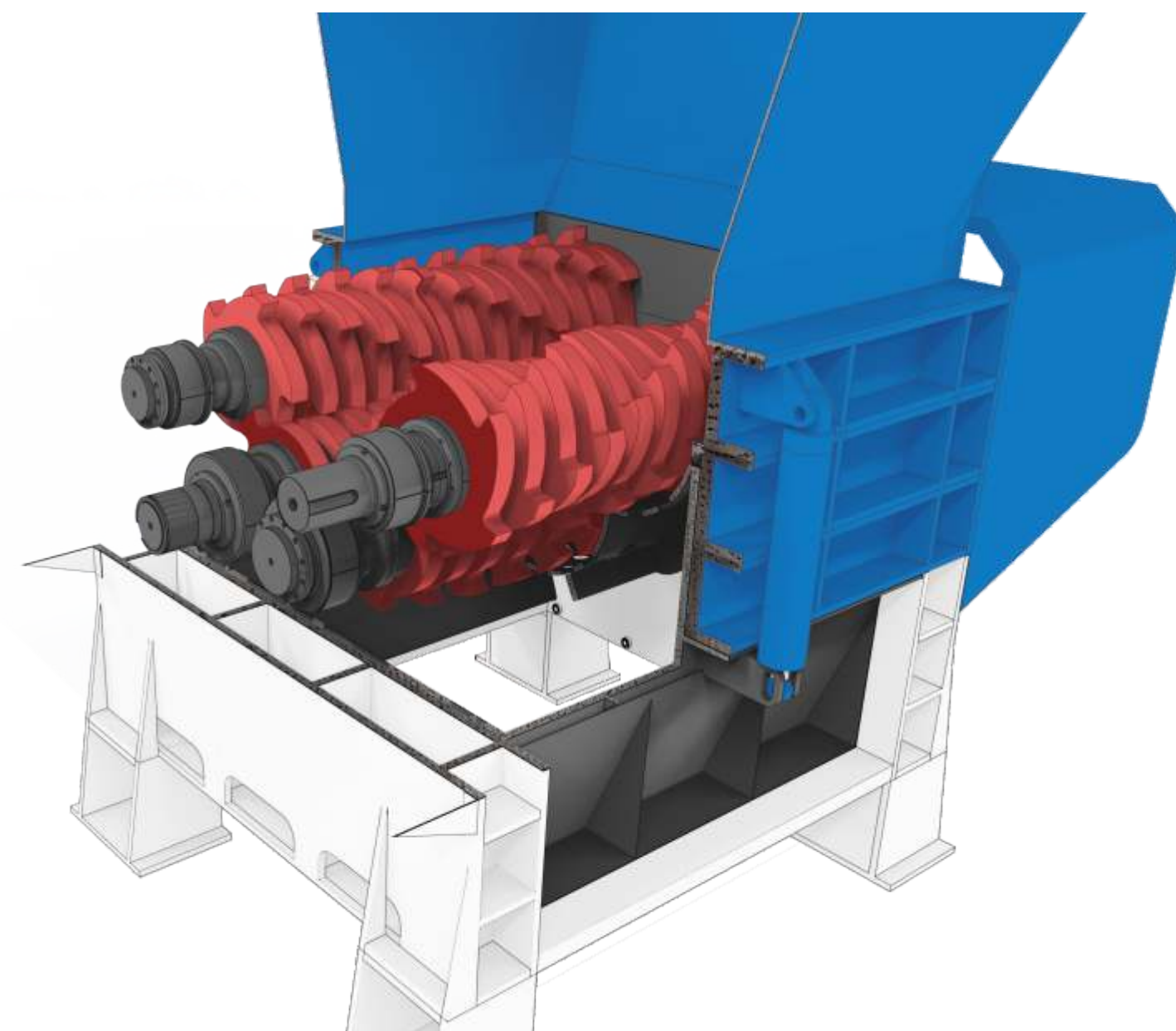


» Equipment composition

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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共享绿色科技



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

NATIONAL PATENT



Shredder and Its Chamber	Patent No.:ZL 2017 2 1351290.X
A Shredder Cutter Box and Cutter Box Components and Shredder	Patent No.:ZL 2017 2 1349588.7
A Shredder Chassis and a Shredder with the Chassis	Patent No.:ZL 2017 2 1351102.3
Sealing Structure for Shredder Cutter Shaft	Patent No.:ZL 2022 2 0430143.6
Shredder Movable Cutter	Patent No.:ZL 2022 2 0875642.6

SOFTWARE COPYRIGHT



Intelligent Dust Reduction System for Waste Crushing	Registration number: 2019SR0053423
Crusher Operation Self-diagnosis System	Registration number: 2019SR0071856
O&M Monitoring System	Registration number: 2019SR0067379
Crusher Rusher 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

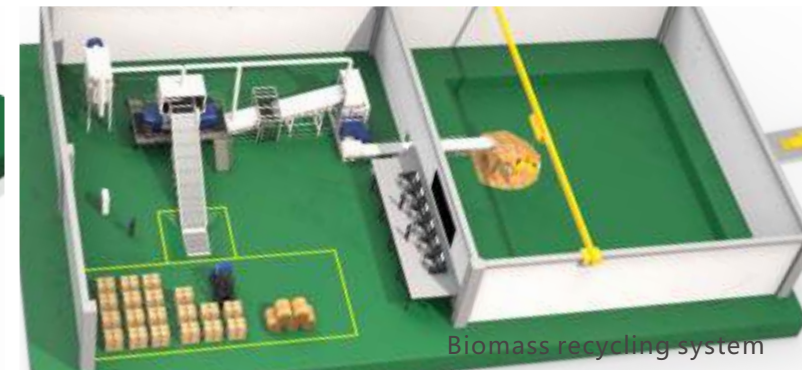
365

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



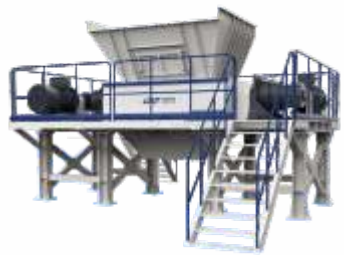
Tower-type hazardous waste recycling system



Food waste recycling system



Domestic waste recycling system



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