

SHARING THE GREEN TECHNOLOGY

National Patents: ZL 2019 2 0908474.4
ZL 2020 2 2105462.3
ZL 2020 2 2108451.0



Patented Products



International
Quality System
Certification



CE Certification



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GS Series Fine Shredder



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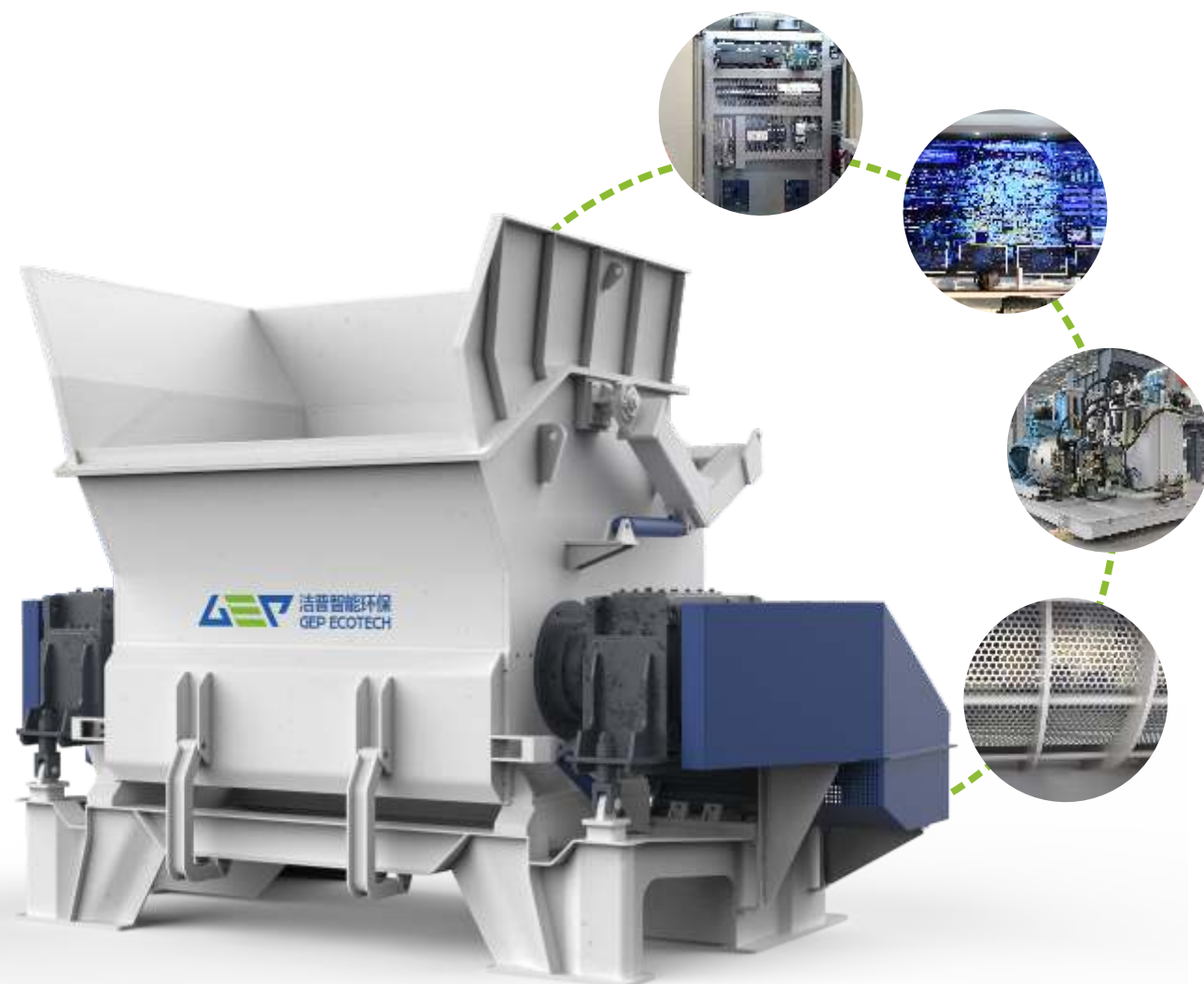
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GS Series Fine Shredder



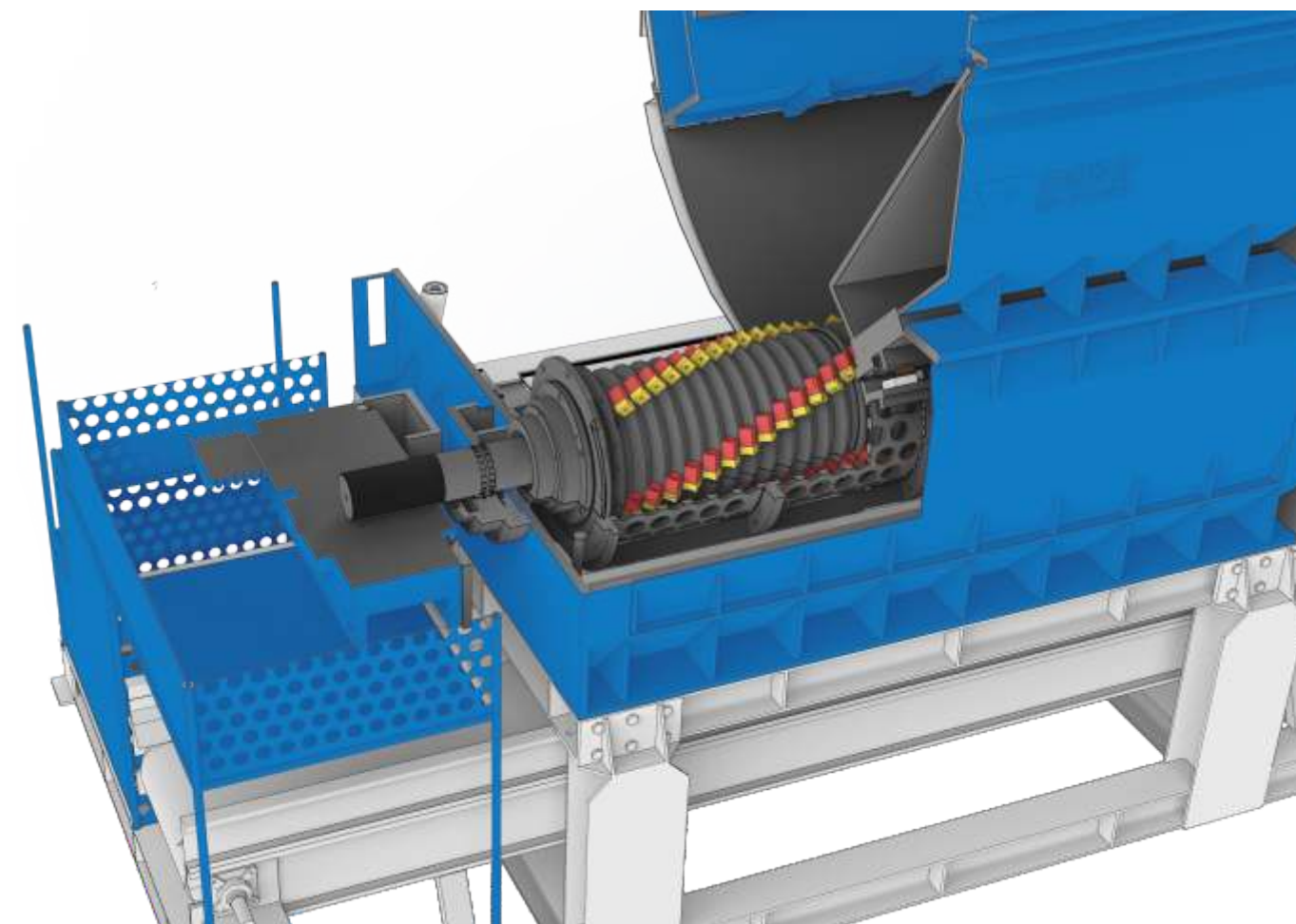
PRODUCT DESCRIPTION

The GS series fine-shredder is used to meet the requirements of fine shredding of solid waste and is located in the second or third shredding process of the solid waste shredding line, with the discharge size concentrated in the range of 30-120mm. It uses rotating cutter grains mounted on the rotor to cut the material, which has the advantages of high material adaptability, high throughput, small finished size and stable performance. With a special screen, the size of the material can be controlled and the final size required by the material can be easily met at once. According to the market needs, we have successively launched various models such as GSD double roll fine shredders, GSS European single shaft fine shredder and GSE-3 third generation European fine shredder.



» Working principle

The material falls into the shredder through the inlet and is shredded by the cutters in circular motion on the shaft and the fixed toothed fixed cutters. The volume of the cut material falls out directly when it is smaller than the aperture of the screen, while the larger material continues to be shredded.



» Equipment composition

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

Product Highlights



01/

» Imported material cutters

- The raw material of the cutter is made of imported material, which has high strength, high abrasion resistance, moderate toughness and long service life; the "V" shaped arrangement reduces the resistance when shredding materials.



02/

» Hydraulic one-touch on

- Equipped with a discharge screen to control the size of the material to be discharged. The discharge screen is hydraulically opened with a single key, a quick operation, making maintenance time shorter and more efficient, saving labour costs and improving production continuity.



03/

» GI Intelligent Monitoring System

- GI intelligent technology is used to achieve automatic lubrication, intelligent monitoring, abnormal alarms and intelligent protection of unbreakable objects, reducing the risk of failure, guaranteeing the long-term healthy operation of the equipment and reducing labour and operating costs.



05/

» Suspension reducer

- Adopt suspension type reducer, use reducer fixed seat fixed on the torque arm seat, compact structure, save space. The belt is used for transmission between the motor and reducer, with high output torque and large load capacity, which can improve productivity and reduce energy consumption.



04/

» Centralised automatic oil filling system

- The centralised automatic oil filling system prevents the occurrence of oil-free bearings due to manual negligence, and the amount and timing of oil filling can be controlled, saving manpower and reducing risk.



06/

» National patent certification

- With a number of national patents (Patent No. ZL 2019 2 0908474.4, ZL 2020 2 2105462.3, ZL 2020 2 2108451.0, etc.), the aim is to improve the comprehensive performance of the equipment and to facilitate user operation, management and maintenance.



Technical Parameters

Equipment name	Model	Capacity (t/h)	Discharging size (mm)	Dimension (mm)
Third generation european fine shredder	GSE312	0.8-3	30-120	3000×2000×3000
	GSE315	1-5		3600×2000×3000
	GSE320	3-8		3800×2000×3000
	GSE330	8-20		5600×2200×3300
European version single-shaft fine shredder	GSS12	1-8		3000×2000×3000
	GSS15	2-12		3600×2000×3000
	GSS20	3-18		3800×2000×3000
	GSS30	4-25		5600×2200×3300
Double roller fine shredder	GSD12	3-20		3000×2800×3000
	GSD15	4-25		3600×2800×3000
	GSD20	5-30		4200×3000×3200

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| GREEN TECHNOLOGY |
共享绿色科技



INTELLIGENT SOLID WASTE DISPOSAL SOLUTION PROVIDER AND EQUIPMENT MANUFACTURER

NATIONAL PATENT



Shredder	Patent No.:ZL 2020 2 2105462.3
Fine Shredder(I)	Patent No.:ZL 2022 3 0087549.4
Shredder and Its Chassis	Patent No.:ZL 2017 2 1351290.X
A Cutter Seat and a Cutter Seat Component and Shredder Using the Cutter Seat	Patent No.:ZL 2019 2 0908474.4
Fine Shredder(II)	Patent No.:ZL 2022 3 0130398.6
An Adjustable Single-shaft Shredder	Patent No.:ZL 2022 2 0059957.3

SOFTWARE COPYRIGHT



Shredder Monitoring System	Registration number: 2019SR0071791
Automatic Shredder Spindle Cooling Control System	Registration number: 2019SR0072440
Shredder Self-diagnostic Analysis System	Registration number: 2019SR0067377
Crusher Operation Self-diagnosis System	Registration number: 2019SR0071856
Crusher O&M Monitoring System	Registration number: 2019SR0067379
Crusher Intelligent Monitoring System	Registration number: 2019SR0072287
Intelligent Monitoring System for Waste Crushing Line	Registration number: 2019SR0072410
Intelligent Dust Reduction System for Waste Crushing	Registration number: 2019SR0053423

Model Projects





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

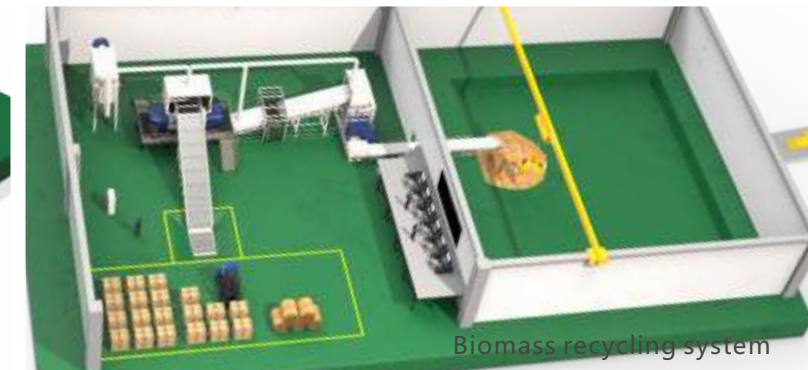
365

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

PRODUCT FAMILY



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