

SHARING THE GREEN TECHNOLOGY

Patents ZL 2022 2 0059957.3
ZL 2020 2 2105462.3
ZL 2019 2 0908474.4



Patented Products



International
Quality System
Certification



CE Certification



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**GSS Series Europe Type
Single-Shaft Fine Shredder**



Contents

01 / 02	●	Product Description
03 / 06	●	Product Highlights
07 / 08	●	Technical Parameters
09 / 10	●	National Patent, Software Copyright
11 / 12	●	Model Projects
13 / 14	●	Digital GEP Ecotech
15 / 16	●	Worry-free Service, Service Sectors
17 / 18	●	Product Family

GSS Series Europe Type Single-Shaft Fine Shredder

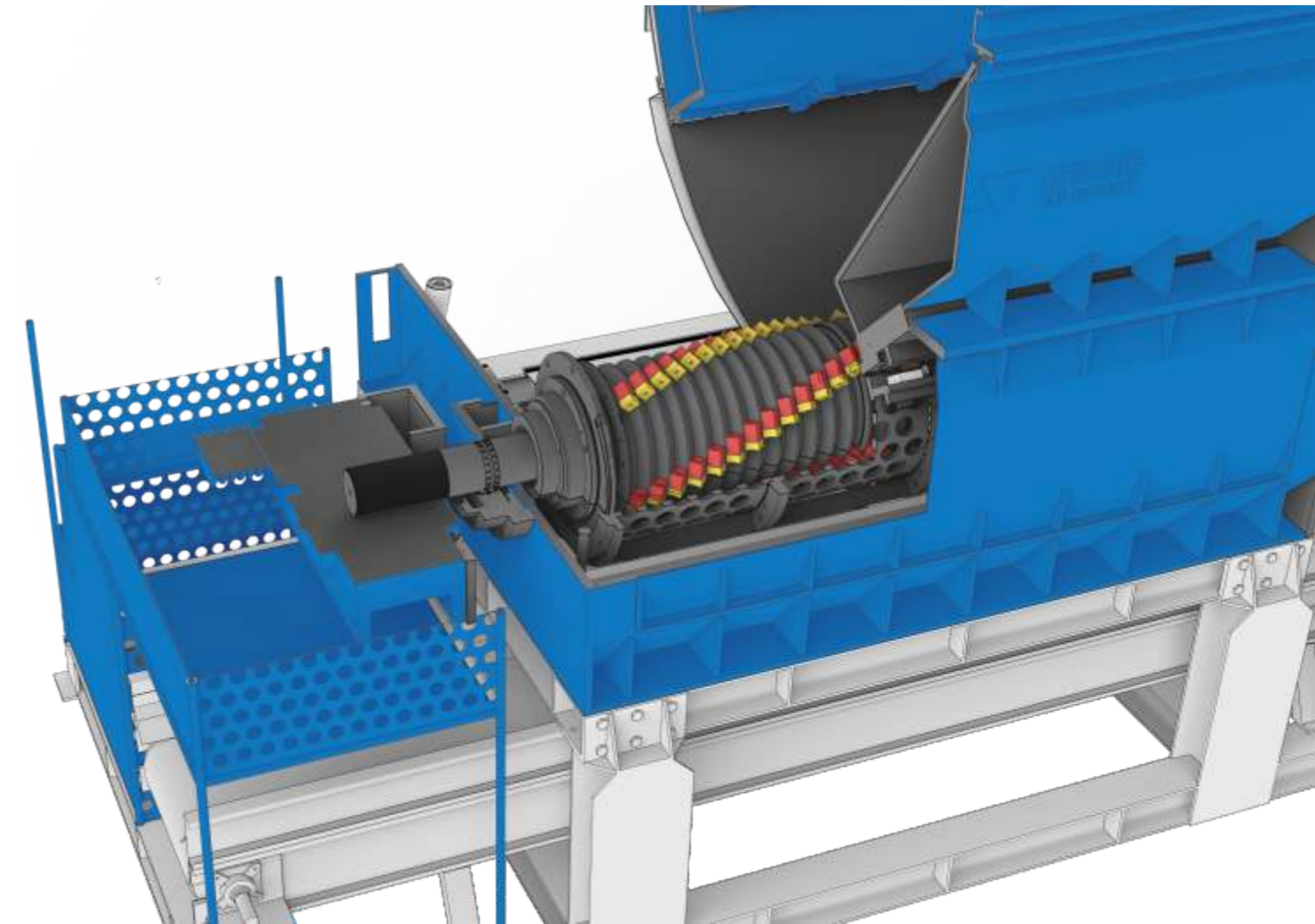


PRODUCT DESCRIPTION

The GSS series European single shaft shredder is an outstanding fine shredding equipment which is suitable for disposing solid waste such as waste rubber, waste plastics, paper waste, wood waste, industrial and municipal solid waste. The R&D team have created intelligent protection system, hydraulic auxiliary device and automatic lubrication system; thus, the equipment has excellent comprehensive performance and outstanding performance in terms of processing capacity, reliability and maintenance, and has a high market share.

» Working principle

The materials fall on the rotor and the unopened access door through the inlet. The materials falling on the access door move towards the rotor under the action of the access door curved surface and the pusher. The materials are cut by the cutters in circular motion on the spindle and the fixed tooth-shaped fixed cutters, and when the volume of the cut materials are smaller than the aperture of the screen, they fall out directly, while the larger material continue to be shredded.



» Equipment composition

Main machine (including motor, reducer), feed hopper part, pusher part, electrical control cabinet, automatic lubrication part, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

Product Highlights



01/

» Arm type pusher

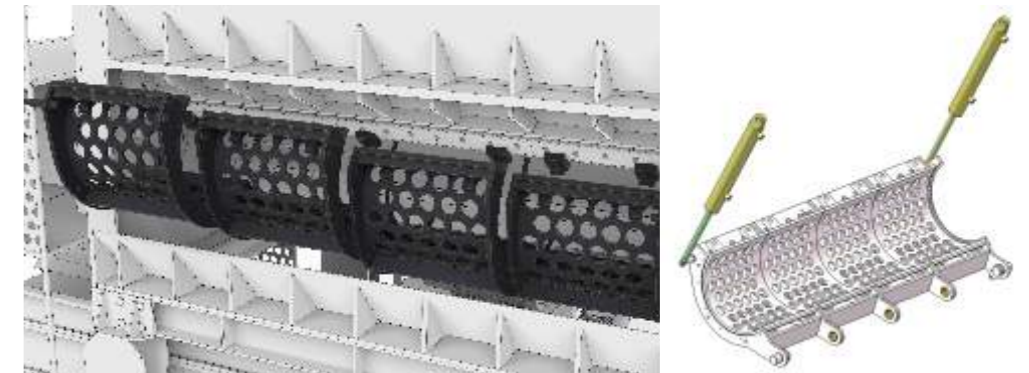
- Adopting inclined type pusher, using hydraulic pressure for driving, pushing material fast frequency and reducing no-load loss.
- When the pusher is not working, it can also use the material's own gravity and the curved access door to make the material fall directly into the shredding chamber for quick shredding, reducing the dependence on the pusher.



02/

» Split screen assembly

- The screen and screen bracket in the drop screen assembly have a split structure, so when adjusting the shredded size, only the screen mesh need to be replaced, which is convenient and low cost.
- The screen assembly supports hydraulic one-touch opening to achieve convenient maintenance of the rotor, reducing manual maintenance time and cost and improving production efficiency.

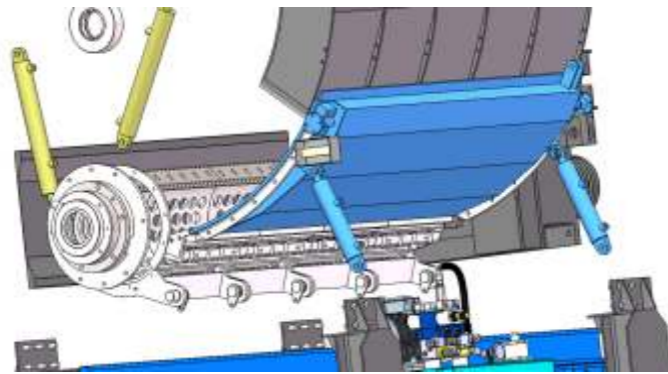


03/

» Curved access door

- When replacing the moving cutters assembly or screen, you can use the hydraulic device to open the access door and carry out maintenance from the open side of the access door, which is quick and convenient and saves manpower and time.

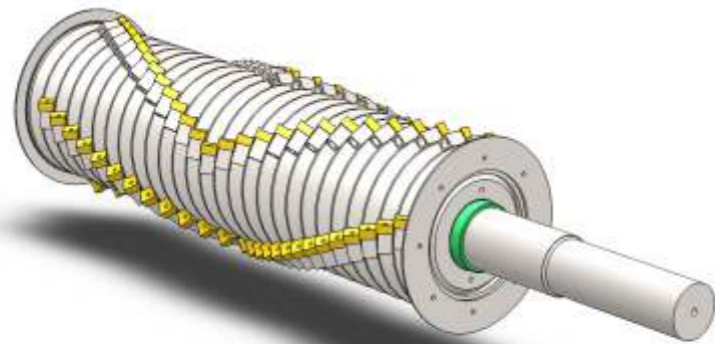
When the access door is closed, the falling materials can fall directly onto the arc of the access door, which is convenient for the free fall of the material and the pushing of the material pusher to improve the shredding efficiency.



04/

» Bolt-on fixation

- The movable cutter seat and cutter grain are fixed by bolts, which is convenient and quick to disassemble and install, and improves the maintenance efficiency.
- The cutters adopt the "V" shaped arrangement, which reduces the material tearing resistance when shredding materials.



05/

» Modular design

- The shredder adopts modular design and integrates power system, shredding system, hydraulic feeding system, fast discharge system and intelligent protection system, with comprehensive functions and compact structure.



06/

» Intelligent System

- GI intelligent technology is adopted to realize automatic lubrication, intelligent monitoring, abnormal alarm, and designed with intelligent protection system for unbreakable objects, which reduces the risk of failure and guarantees the long-term stable operation of the equipment.



Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GSS12	1-8	30~120	3000×2000×3000
GSS15	2-12	30~120	3600×2000×3000
GSS20	3-18	30~120	3800×2000×3000
GSS30	4-25	30~120	5600×2200×3300

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NATIONAL PATENT



An Adjustable Single Shaft Shredder	Patent No.: ZL 2022 2 0059957.3
A Cutter Seat and a Cutter Seat Component and Shredder Using the Cutter Seat	Patent No.: ZL 2019 2 0908474.4
Shredder	Patent No.: ZL 2020 2 2105462.3
Shredder and Its Chassis	Patent No.: ZL 2017 2 1351290.X

SOFTWARE COPYRIGHT



Intelligent Dust Reduction System for Waste 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
Shredder Monitoring System	Registration number: 2019SR0071791
Automatic Shredder Spindle Cooling Control System	Registration number: 2019SR0072440
Shredder Self-diagnostic Analysis System	Registration number: 2019SR0067377

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



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

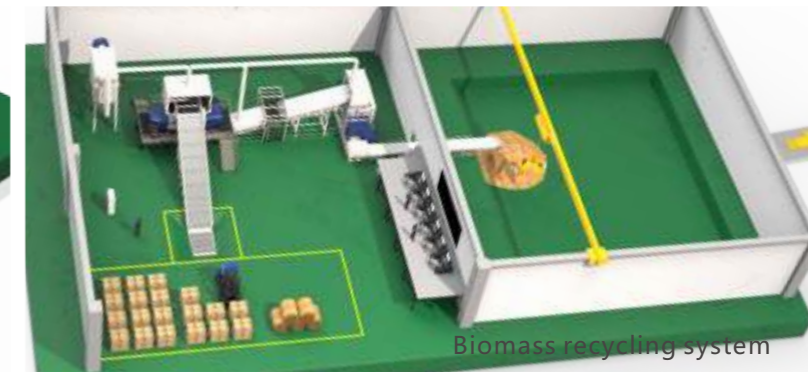
12

Free repair within 12 months
of delivery

365

365 days a year for
service requests

SERVICE SECTORS





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