

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



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

GSS Series Europe Type Single-Shaft Fine Shredder



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GSS Series Europe Type Single-Shaft Fine Shredder



R & D BACKGROUND

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.

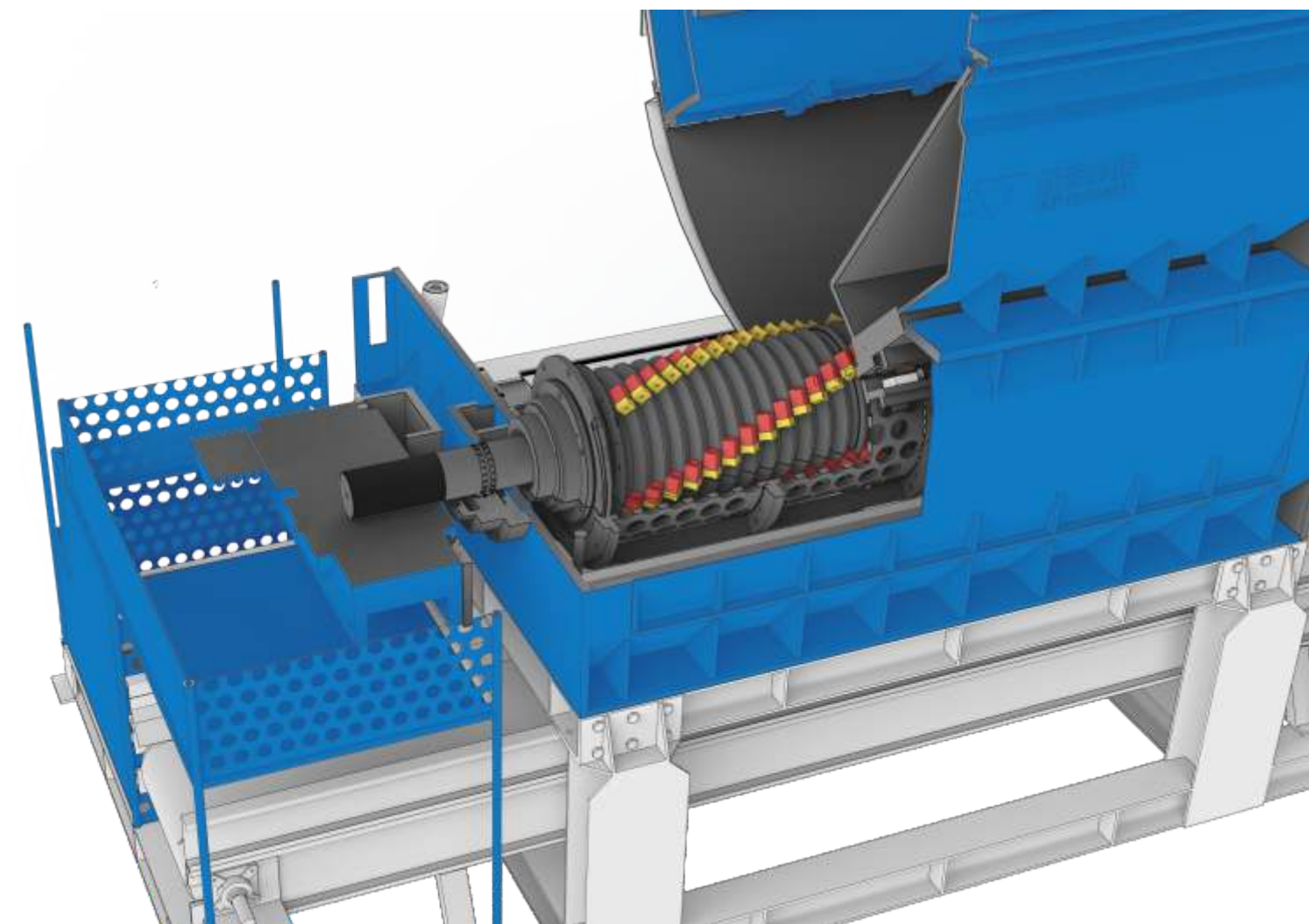


» Equipment composition

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)

» 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.



Product Highlights



01/

» Arm type pusher

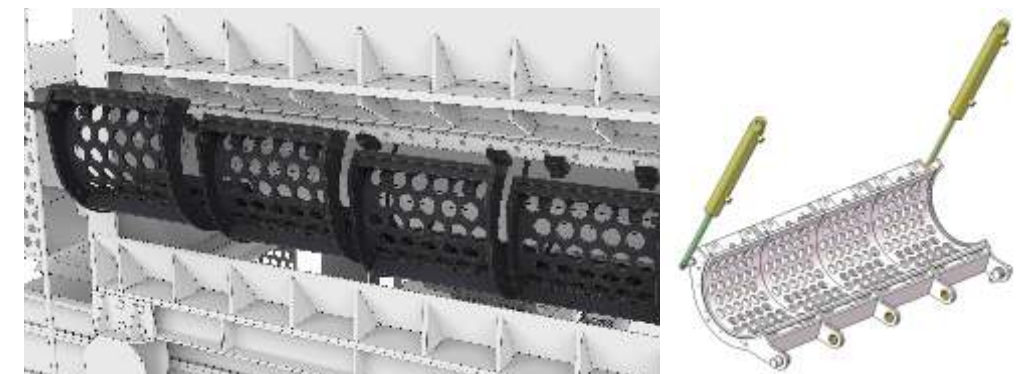
- Adopting inclined type pusher, using hydraulic pressure for driving, pushing material fast frequency and reducing no-load loss.
- When the pusher is not working, it can also use the material's own gravity and the curved access door to make the material fall directly into the shredding chamber for quick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



02/

» Split screen assembly

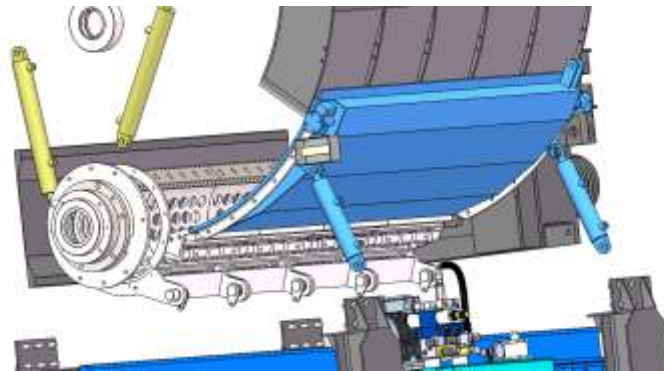
- The screen and screen bracket in the drop screen assembly have a split structure, so when adjusting the shredded size, only the screen mesh need to be replaced, which is convenient and low cost.
- The screen assembly supports hydraulic one-touch opening to achieve convenient maintenance of the rotor,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



03/

» Curved access door

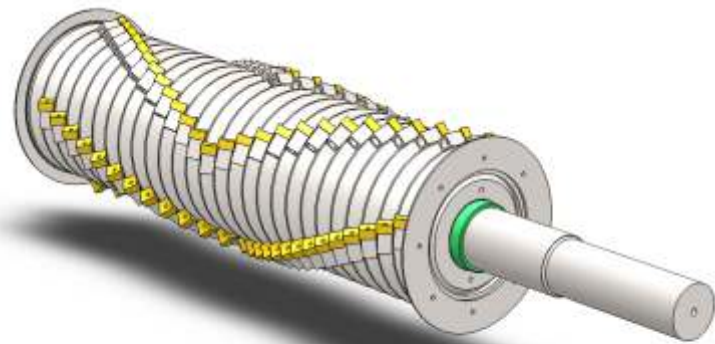
- When replacing the moving cutters assembly or screen, you can use the hydraulic device to open the access door and carry out maintenance from the open side of the access door, which is quick and convenient and saves manpower and time.
- When the access door is closed, the falling materials can fall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





SHARING THE
| GREEN TECHNOLOGY |
共享绿色科技

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



NATIONAL PATENT



Shredder and its chambers	Patent No.: ZL 2017 2 1351290.X
A knife holder and a knife holder assembly and crusher using the knife holder	Patent No.: ZL 2019 2 0908474.4
A crusher control system	Patent No.: ZL 2019 2 0259196.4
Negative pressure dust removal device	Patent No.: 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

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

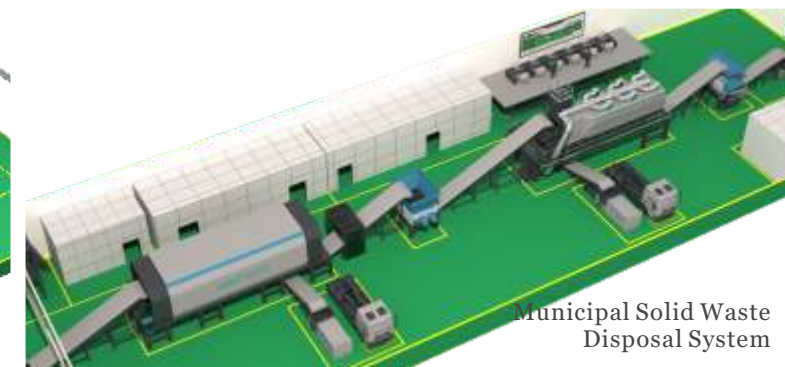
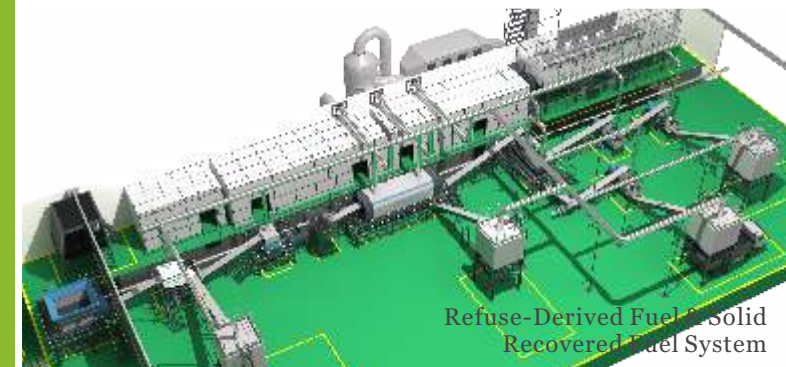
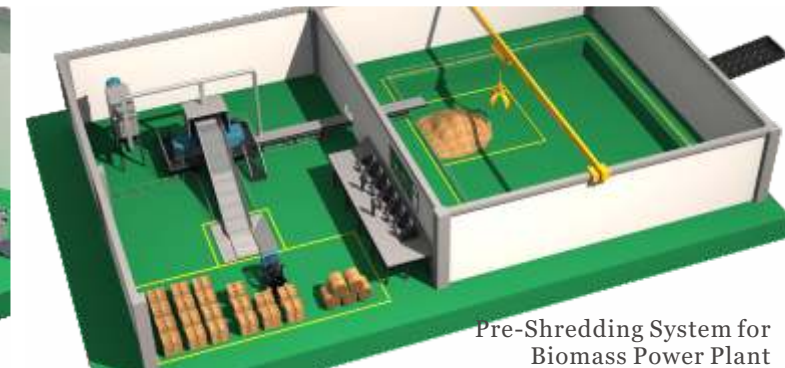
12

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