

SHARING THE GREEN TECHNOLOGY

Patents ZL 2019 2 0259196.4
ZL 2017 2 1351290.X
ZL 2017 2 0572159.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

GSD series double rotor
fine shredder



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R & D BACKGROUND

The GSD series double-shaft fine shredder is based on the GSX series flat push single shaft fine shredder, so the same size rotor assembly is common to both machines. From the beginning, this machine was designed for higher capacity, lower operating costs, faster maintenance and a more user-friendly operating experience. It adopts the symmetrical design structure of double cutter roller, two rotors are driven independently, and feed each other, multiple shredding, strong material adaptability and high shredding efficiency; with GI intelligent system, it is easy to shred PVC plastic, leather fabric, cans, electronic waste and other materials.



» Equipment composition

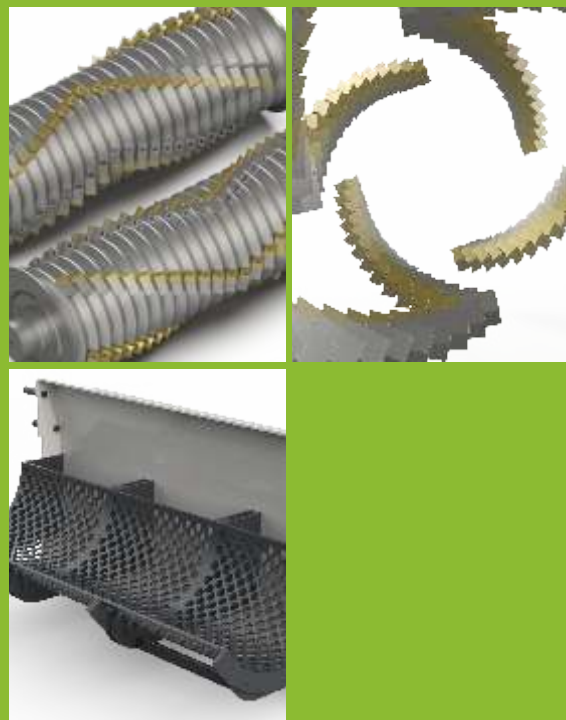
Main machine (including motor, reducer), feed hopper part, electrical control cabinet, automatic lubrication part, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

» Working principle

The material falls onto the rotor through the inlet, and the two rotors of the same left and right do relative movements, and are cut by the cutters particle on the spindle doing circular movement and the fixed tooth-shaped cutters for mutual cutting, and the volume of the cut material are smaller than the screen aperture, they fall out directly, and the larger volume of the material continues to be shredded.



Product Highlights



01/

» One-piece screen and access door

- The drop screen is bolted directly to the access door, and when the door is opened, the screen is turned over with the door.
- The adoption of hydraulic one-touch opening of the access door results in short maintenance time and high efficiency, saving labor costs and improving production continuity.



02/

» NO pushing device

- No pusher, the materials enter through the feed hopper and fall directly into the rotor for cutting and shredding, which improves the shredding efficiency.
- The effective working area of the shredding cavity is relatively large, which has a better direct shredding effect on large volume materials.



03/

» The cutters are arranged in a V-shape

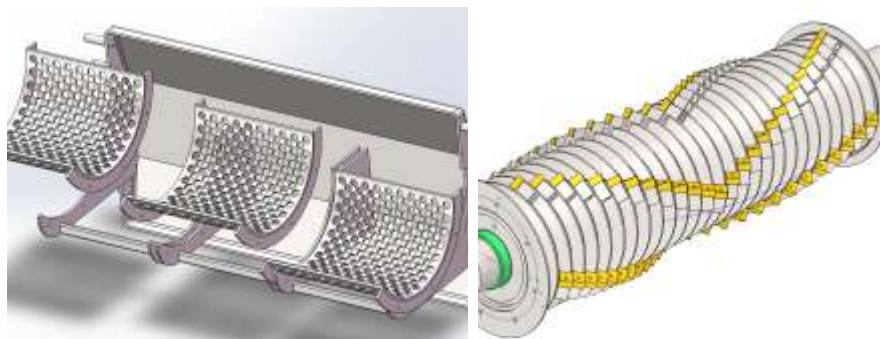
- The moving cutter assembly (cutter grain, cutter seat) are arranged in a V-shape on the rotor, which reduces the material tearing resistance when shredding materials.
- The cutter grains are bolted to the cutter holder, which is welded to the rotor, making it very easy to replace the cutter grains.



04/

» Screen and cutters can be replaced independently

- The whole set of screens consists of several individual screens, and the screens can be replaced independently, effectively reducing maintenance costs.
- The cutters can all be dismantled and installed independently, with short dismantling time and little workload, which can ensure continuous production.



05/

» Intelligent control system

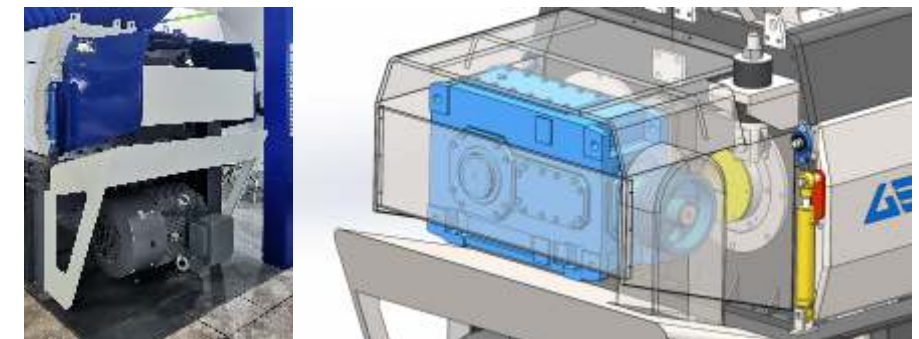
- GI intelligent technology is adopted to realize automatic lubrication, intelligent monitoring, abnormal alarm, and designed with intelligent protection system for unbreakable objects, which reduces the risk of failure and guarantees the long-term stable operation of the equipment



06/

» Suspended reducer

- Space saving by using a suspended reducer, fixed to the torque arm base using the reducer mount.
- Adopting a double power system with strong power, high output torque and high load capacity, it helps to improve productivity and save energy consumption.





Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GSD12	3-20	30-120	3000×2800×3000
GSD15	4-25	30-120	3600×2800×3000
GSD20	5-30	30-120	4200×3000×3200

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共享绿色科技



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

NATIONAL PATENT



Shredder and its 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



Intelligent dust reduction system for garbage 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 cooling control system for shredder spindle	Registration number: 2019SR0072440
Self-diagnostic analysis system for shredders	Registration number: 2019SR0067377



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

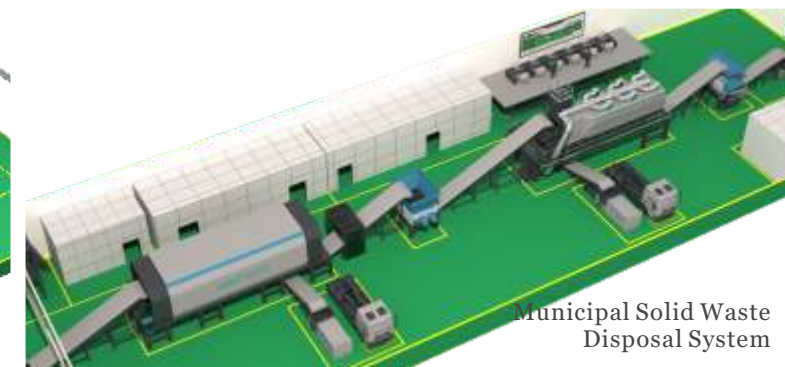
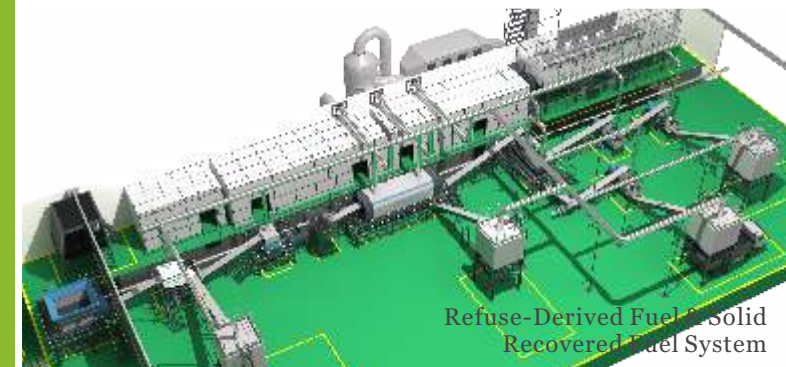
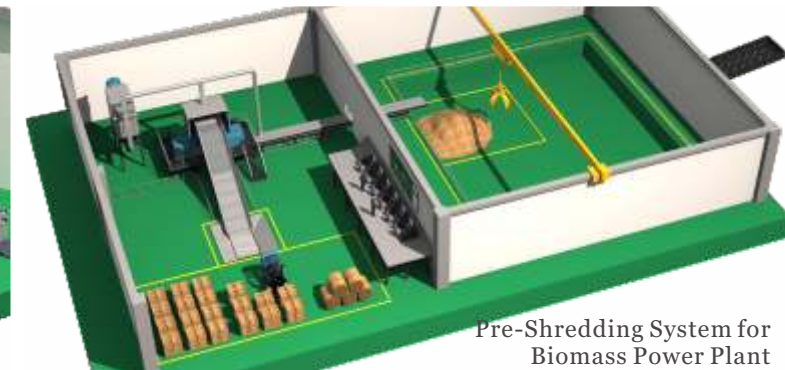
12

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



GSD Double Shaft Fine Shredder

INTELLIGENT SOLID WASTE DISPOSAL SOLUTION PROVIDER AND EQUIPMENT MANUFACTURER



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