

SHARING THE GREEN TECHNOLOGY

Patents ZL 2019 2 0154367.7  
ZL 2017 2 1351102.3  
ZL 2019 2 0153572.1



Patented Products



International  
Quality System  
Certification



CE certification



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# GDI Series Industrial Waste Shredder



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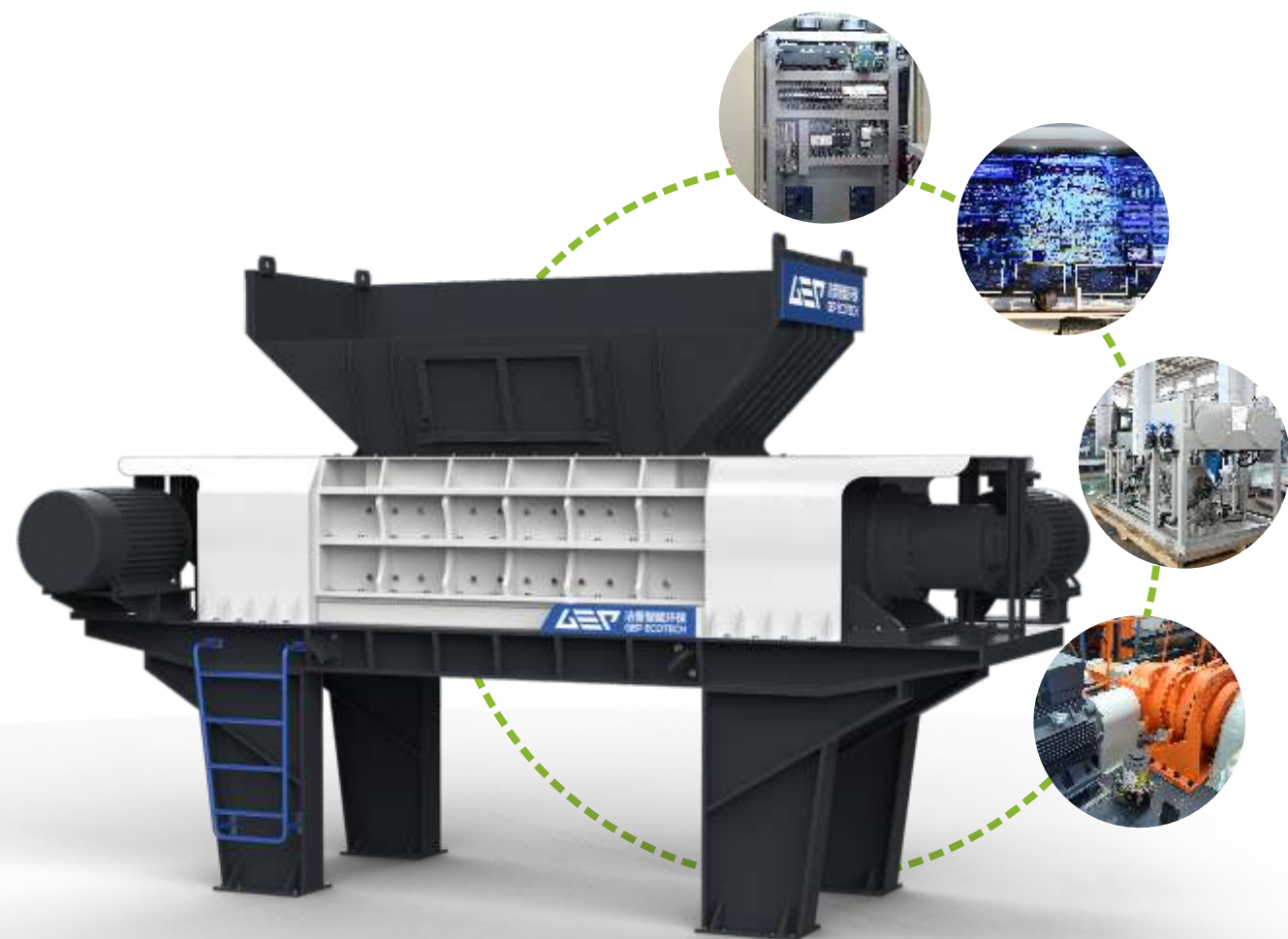
## GDL Series Bulky Waste Shredder

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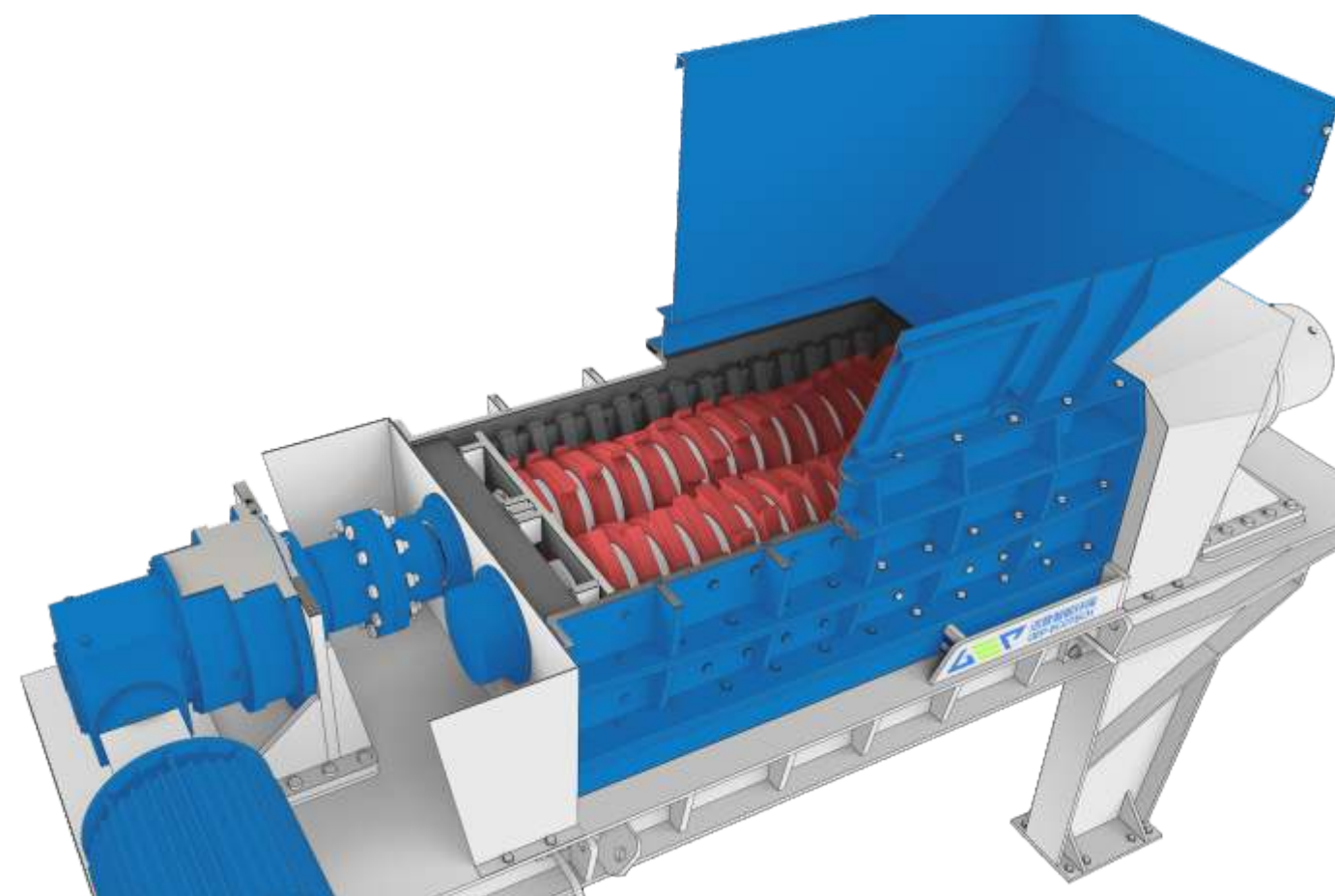
## R & D BACKGROUND

The rapid development of industry in China has produced a large amount of industrial waste, including waste pallets, rock wool, waste rubber belts, leather trimmings, waste cable skins, paper and plastic packaging, scrap metal objects and so on. The simple and crude landfill method is gradually being eliminated and the reuse mode after shredding and pre-treatment is becoming the trend. In response to the needs of the times, the GDI series industrial waste shredder was born. It has low energy consumption, high processing capacity, good economy, simple and easy maintenance, and can pre-treat some high calorific value industrial waste into high quality SRF/RDF as an alternative fuel with good social and economic benefits.



## » Working principle

The industrial waste shredder mainly relies on the principle of shearing and cutting to complete the process of shredding materials. The motor drives the reducer and transmits the torque through the cutter roller shaft to the movable cutter of the shredder. The movable cutter hooks the material and tears it downwards, while the blades of the opposite roller cut the material like scissors, The shredded material is discharged from the bottom of the shredder.



## » Equipment composition

Feed hopper section, pusher section, drive section, cutter chamber assembly section, frame platform section, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

# Product Highlights



01/

## » Intelligent monitoring system

- The GI intelligent system is powerful enough for real-time monitoring, abnormal alarms, remote diagnosis and data analysis to achieve intelligent operation and maintenance.
- The intelligent centralized control system and advanced human-machine interface make on-site operation more time-saving, labor-saving and mind-saving.



02/

## » Anti-winding cutter

- The unique anti-tangle cutter is ideal for industrial waste with mixed components, effectively solving the problem of tangled wrappings, improving material shredding efficiency and ensuring stable operation of the equipment.
- The fixed cutter is made of high strength wear resistant steel plate, which significantly improves the wear resistance and service life.





03/

### » Integral cutter chamber

- The integral shredding chamber is heat-treated and machined in a single operation by a high precision 4-shaft machine tool, with high mechanical strength and machining accuracy, not easily deformed, with stronger load-bearing capacity, longer service life and more reliable working conditions.
- The shredding chamber is divided into two bodies, which makes it easy to overhaul and guarantees the continuity of the equipment.



04/

### » Automatic lubrication system

- Equipped with automatic bearing lubrication system, reducing human intervention in the equipment, improving stability and saving production management costs.
- Multiple combination seals protect the imported bearings from complex materials, waterproof, dustproof and dirt-proof, resulting in a longer service life.



05/

### » Hydraulic pusher device

- A customized hydraulic pusher device is available to cope with unshreddable materials and to improve the overall adaptability of the equipment.
- The frequency and stroke of the pusher can be adjusted according to the actual working conditions.



06/

### » High performance spindle and cutters

- The shaft and cutters are made of high-strength alloy steel and refined through multiple processes to provide high wear resistance and long service life.
- The shaft is linked by German standard splines, with a high transmission torque, no relative sliding of the parts mounted on it, a large total contact area, which allows it to withstand a large load and a uniform force when connected.







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共享绿色科技

# Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GDI8	5-10	100-300	5000×2650×3300
GDI9	8-15	100-300	5300×2750×3400
GDI10	10-20	100-300	5500×2850×3500
GDI12	15-30	100-300	6000×3250×3600
GDI13	20-40	100-300	6400×3500×4000
GDI15	30-50	100-300	6900×3700×4500





Shredder and its chamber	Patent No.:ZL 2017 2 1351290. X
A kind of shredder cutter chamber and cutter chamber assembly and shredder	Patent No.:ZL 2017 2 1349588. 7
Cutter assembly for shredder and axial top pressure structure	Patent No.:ZL 2019 2 0454810. 2
A shredder chamber and a shredder having such a chamber	Patent No.:ZL 2017 2 1351102. 3
Negative pressure dust removal device	Patent No.:ZL 2017 2 0572159. X
A crusher control system	Patent No.:ZL 2019 2 0259196. 4



Waste Shredding Intelligent Dust Reduction System	Registration number: 2019SR0053423
Crusher Operation Self-Diagnosis System	Registration number: 2019SR0071856
Crusher Operation and Maintenance 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

## MODEL PROJECTS







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.

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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

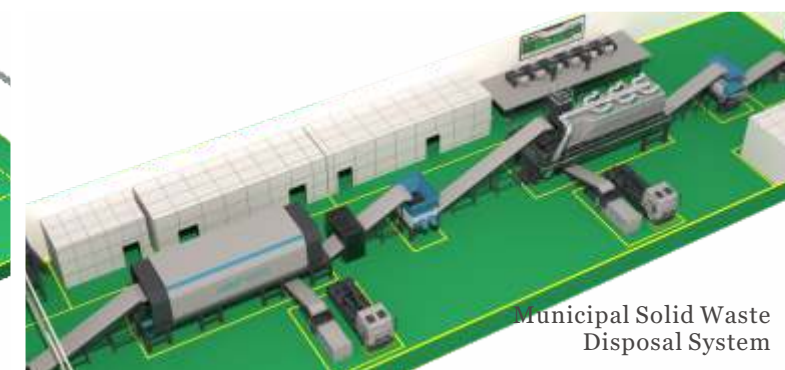
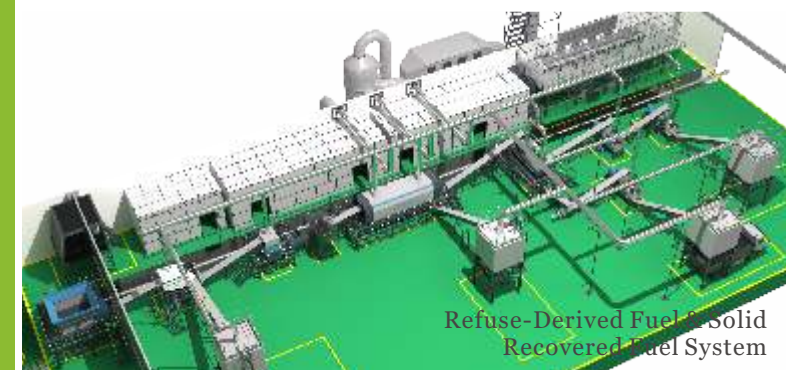
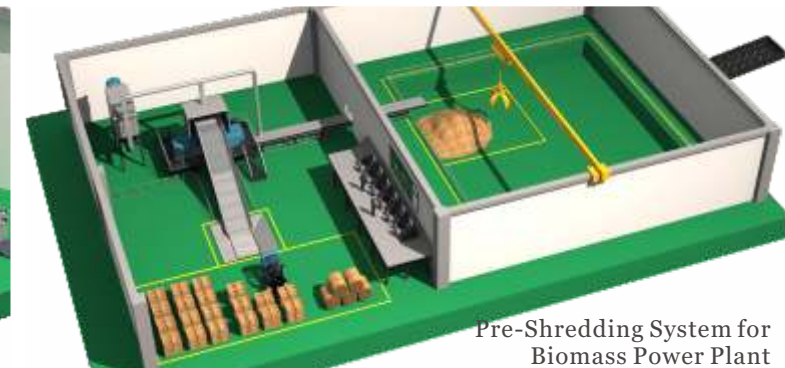
12

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