

SHARING THE GREEN TECHNOLOGY

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ZL 2020 2 1124689.6  
ZL 2020 1 1009400.0



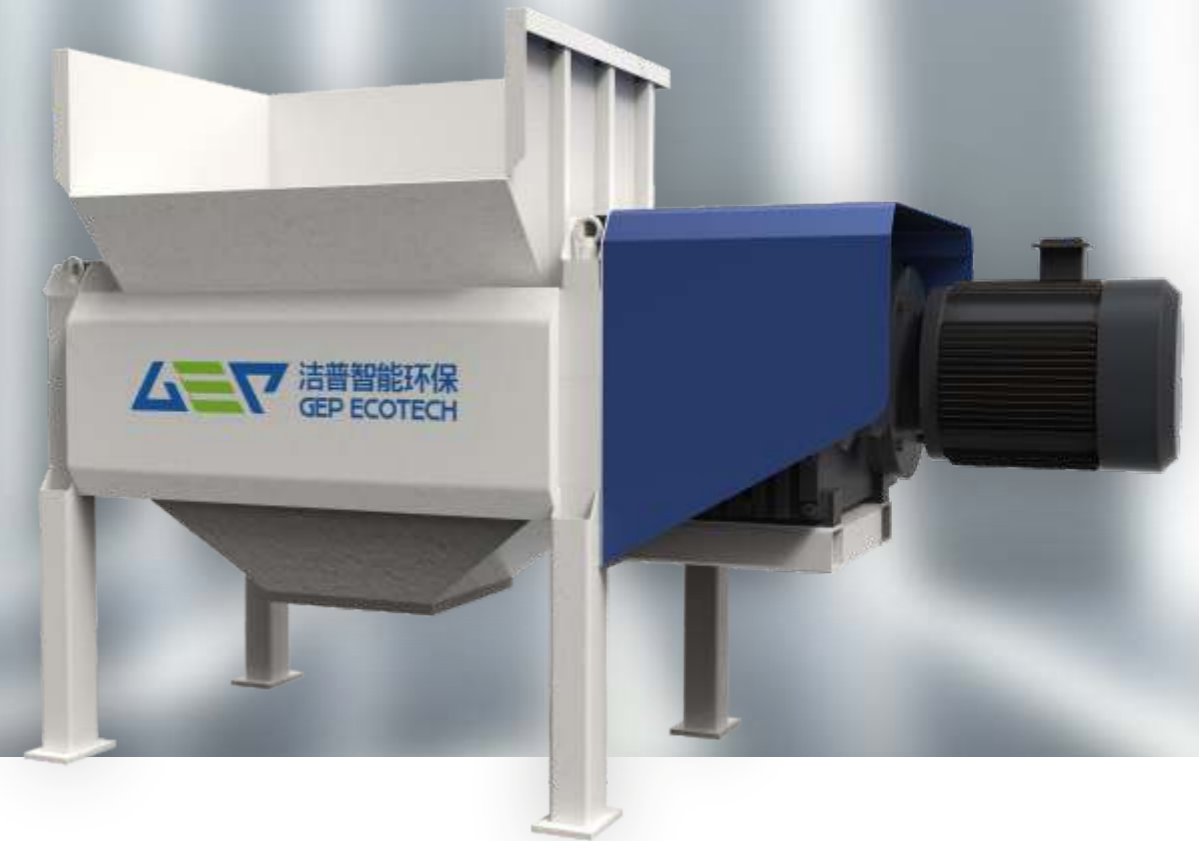
Patented Products



International  
Quality System  
Certification



CE Certification



## GDF Series Food Waste Shredder



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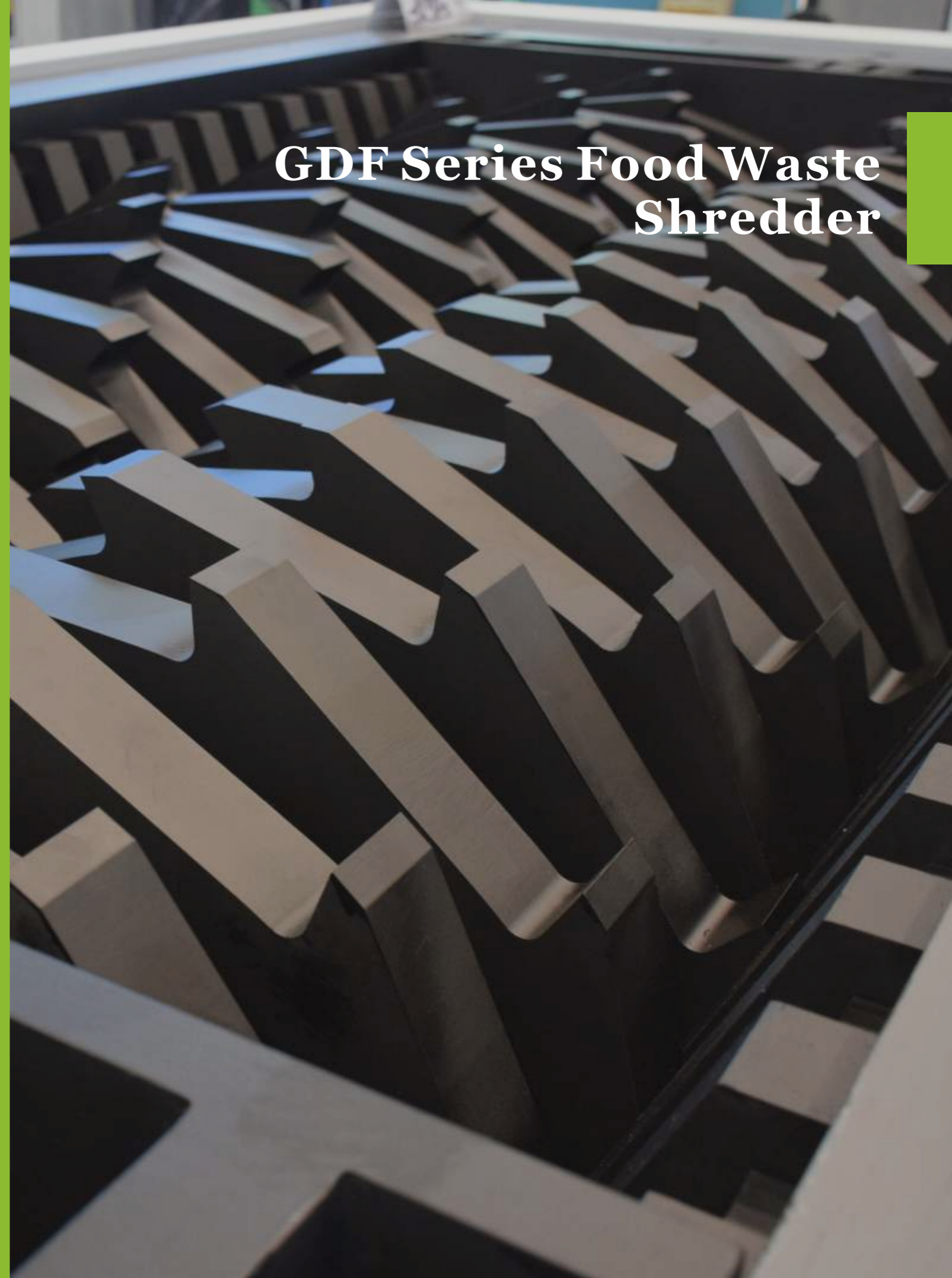
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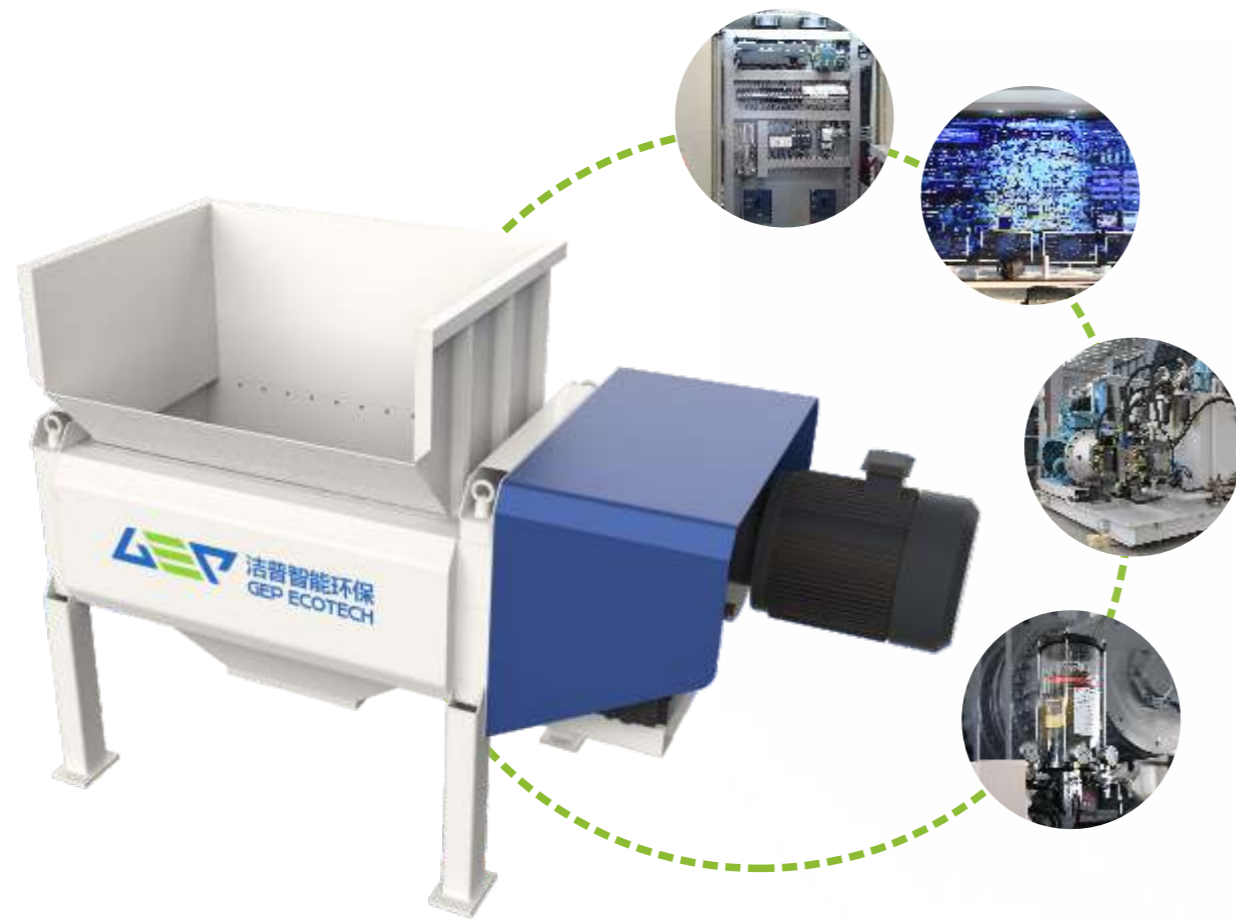
## GDF Series Food Waste Shredder

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## PRODUCT DESCRIPTION

Food waste is a mixture of oil, water, vegetables, fruit peelings, meat, rice and noodles, soup and waste tableware, plastic and paper towels, etc., generated by the daily life of residents or by the production activities of the catering industry, and accounts for approximately 60% of current household waste. Food waste is rich in organic matter, has a high moisture content and is prone to decay. If not treated in time, its odor and properties can have a bad effect on the surrounding environment. The GDF series of food waste shredders developed independently by GEP are equipped with corrosion-resistant and highly wear-resistant compatible food waste special cutters, which are highly adaptable to the material, have good shredding effect and high sealing capacity, and can directly shred wet waste with high moisture content.

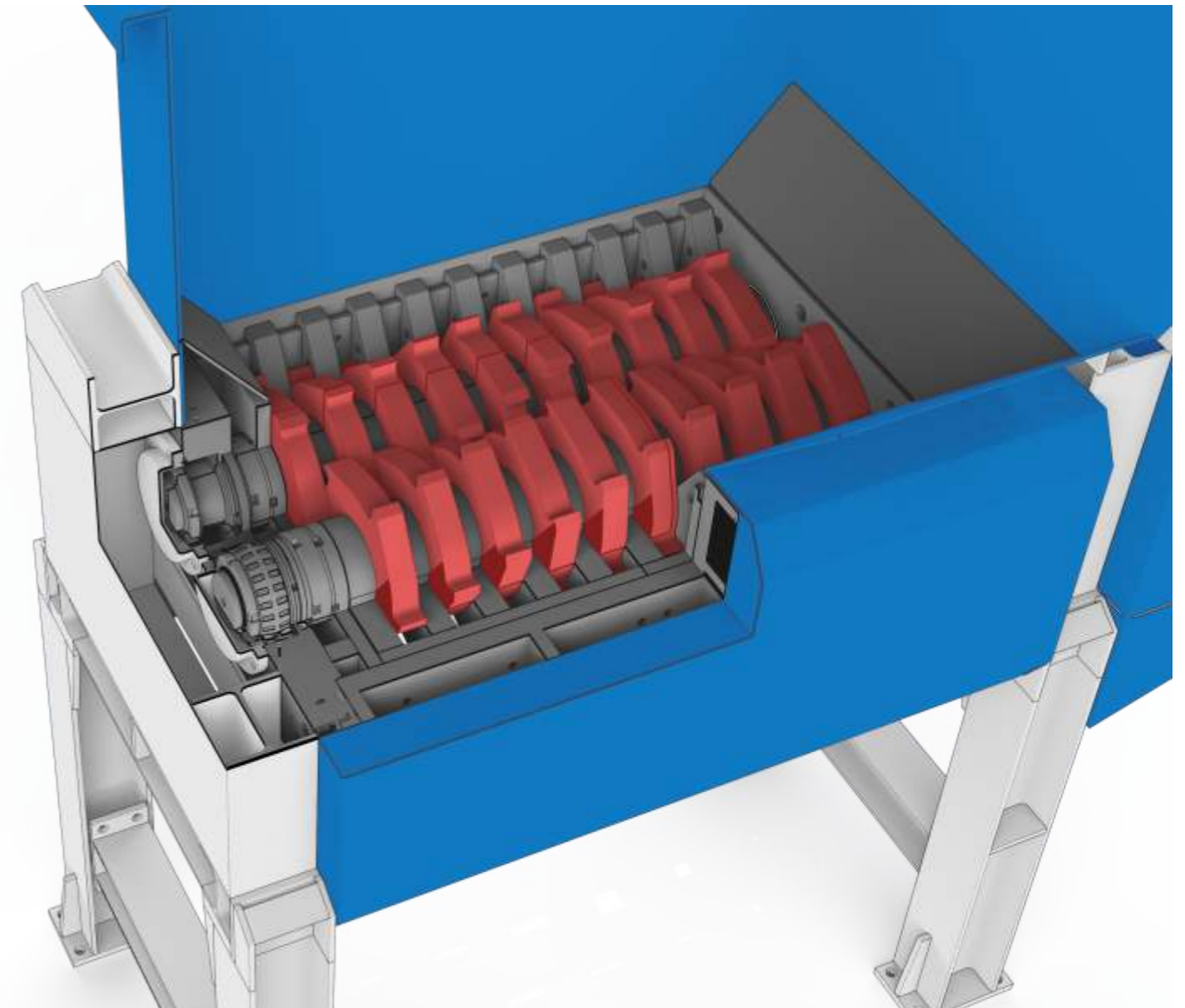


### » Equipment composition

Main machine (including motor and reducer), frame platform, feeding hopper section, electrical control cabinet, automatic lubrication section, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

### » Working principle

The food waste shredder uses a single motor + reducer to drive the cutter shaft, and through the shearing action of the adjacent moving cutter blade and the tearing action of the moving cutter teeth, the shredder is able to reduce the volume and quantity of food waste with complex composition.



# Product Highlights

PRODUCT HIGHLIGHTS

产品亮点



01/

## » Intelligent monitoring system

- The GI intelligent system is powerful enough to enable real-time monitoring, abnormal alarms, remote diagnosis and data analysis for intelligent operation and maintenance.
- Intelligent centralized control system with human-machine interface for more time-saving, labor-saving and trouble-free operation on site



01/

## » Anti-winding fixed cutters

- The unique anti-winding fixed cutter is ideal for handling food waste with mixed components, effectively solving the problem of wrapped material entanglement, 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 increases the wear resistance and service life; single installation, group fixing, strong interchangeability, easy to replace and maintenance.



# 03/

## » High performance shafts and cutters

- The main shaft and cutters are made of high-strength alloy steel and refined through multiple processes, providing high wear resistance and long service life.
- The main 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.



# 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, allowing direct shredding of wet waste with high moisture content.

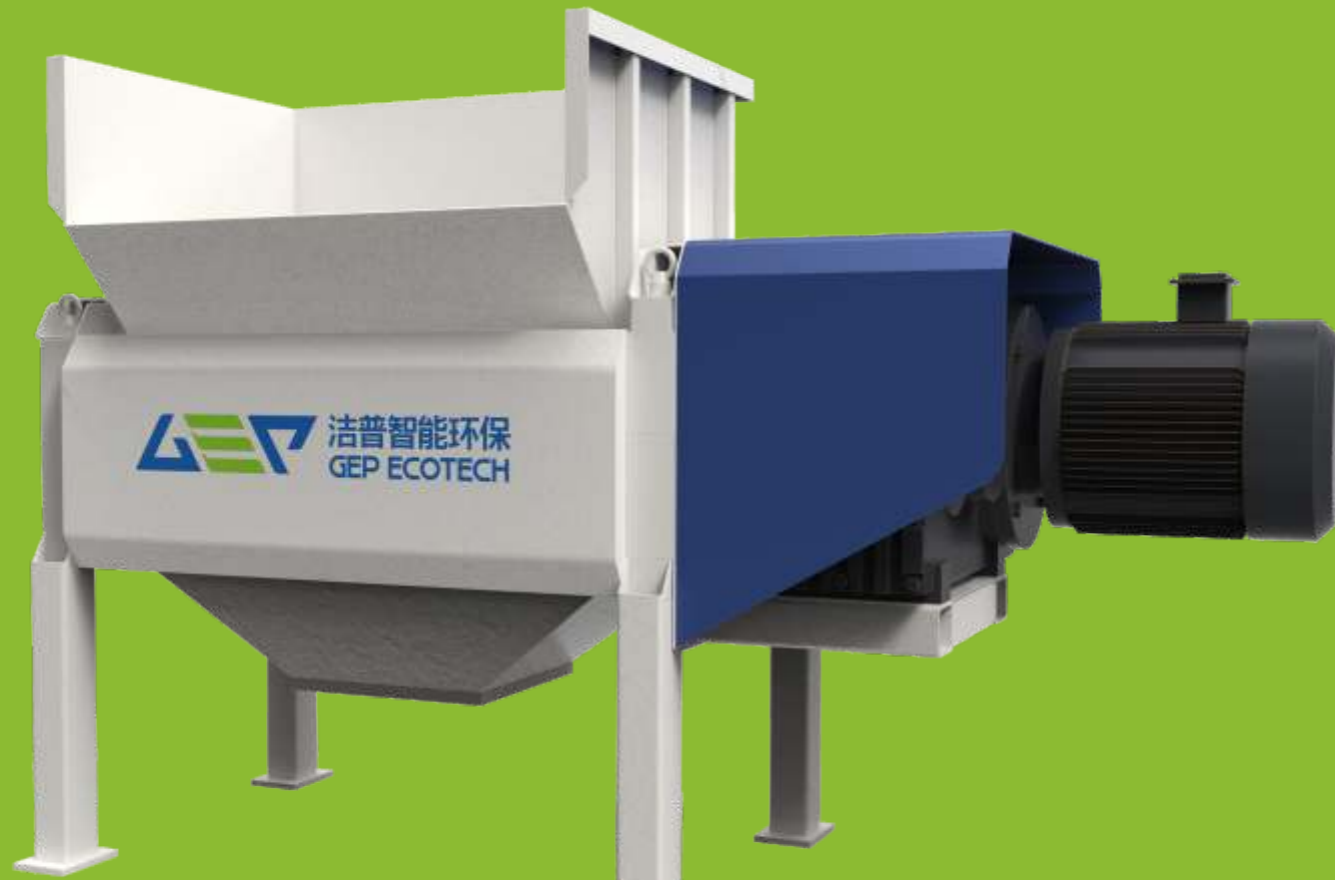




SHARING THE  
| GREEN TECHNOLOGY |  
共享绿色科技

# Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GDF5	2-8	30-200	2100×1000×1900
GDF5P	3-10	30-200	2500×1000×2000
GDF6S	5-15	30-200	3000×1100×2200
GDF6	8-20	30-200	3100×1200×2500
GDF8	15-30	30-200	4300×3200×3200
GDF9	20-50	30-200	5400×3200×3300



## NATIONAL PATENT



A Kind of Food Waste Shredder Cutters and Food Waste Shredder	Patent No.:ZL 2020 1 0555606. 7
A Food Waste Shredder Cutter and Food Waste Shredder Patent	Patent No.:ZL 2020 2 1124689. 6
Double-shaft Shredder	Patent No.:ZL 2020 1 1009400. 0
Shredder and Its Chamber	Patent No.:ZL 2017 2 1351290. X
A Shredder's Chamber and a Shredder Having such a Chamber Patent	Patent No.:ZL 2017 2 1351102. 3
A Split Cutter Structure for Shredder Cutting Chamber	Patent No.:ZL 2019 2 0154368. 1

## SOFTWARE COPYRIGHT



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







## 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

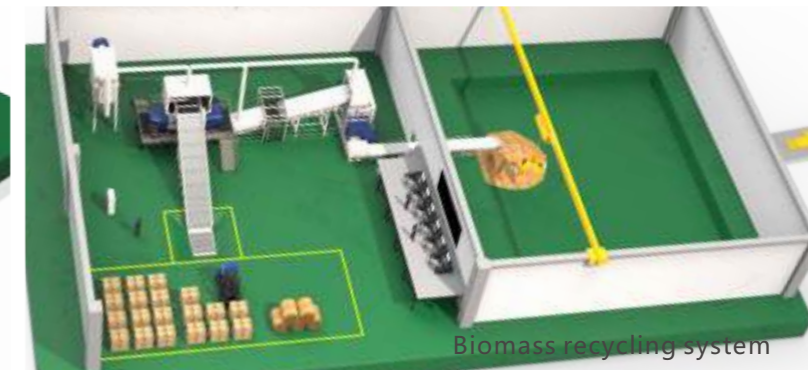
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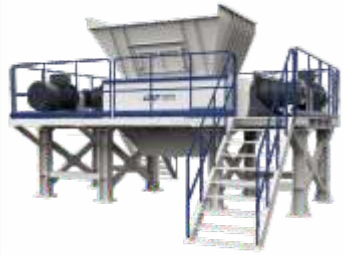
Free repair within 12 months  
of delivery

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



Double-Shaft Biomass Shredder

# PRODUCT FAMILY



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