

SHARING THE GREEN TECHNOLOGY

Patents ZL 2020 1 1009400.0
ZL 2022 2 0271857.7
ZL 2022 3 0079048.1



Patented Products



International
Quality System
Certification



CE Certification



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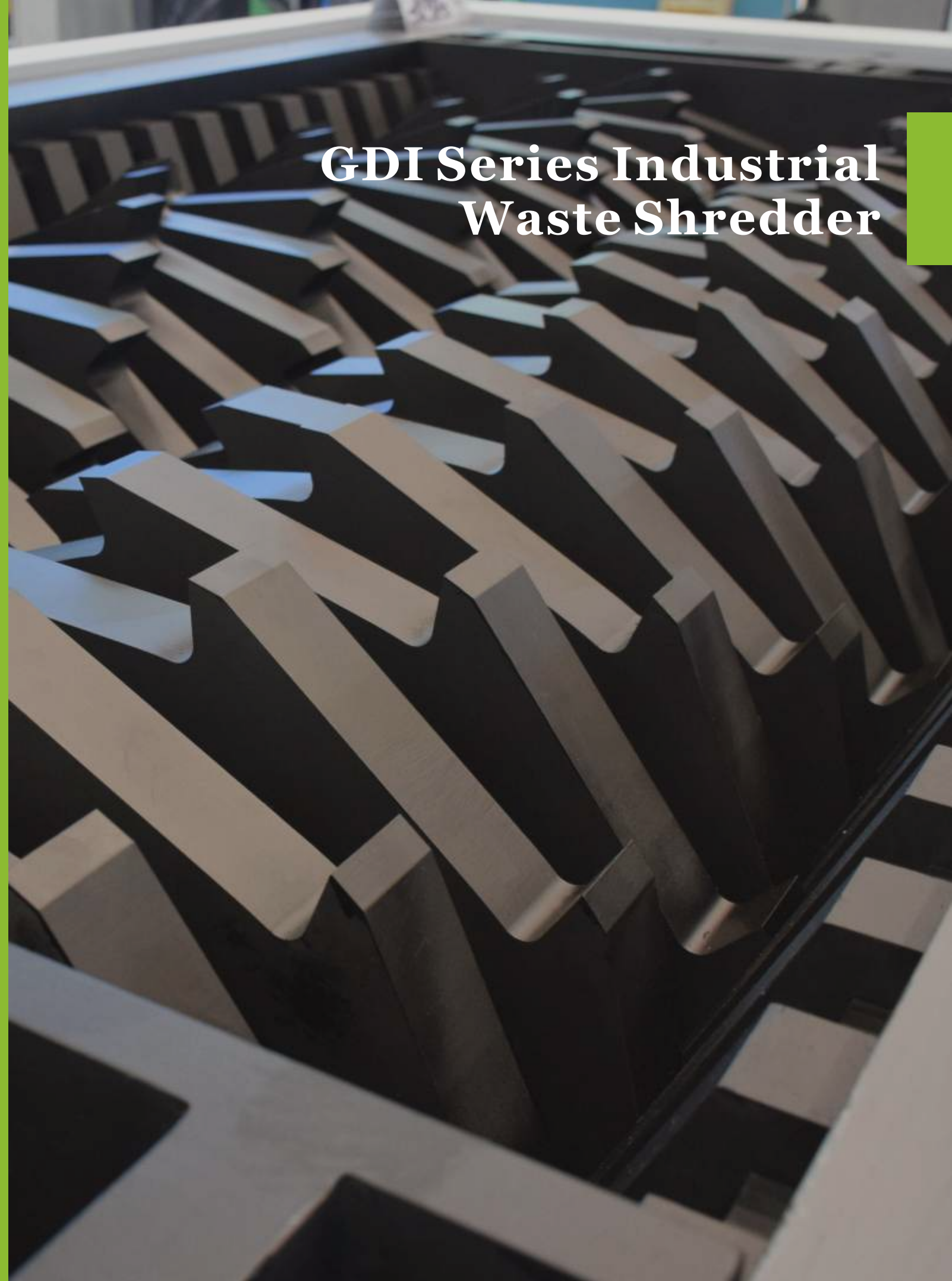
GDI Series Industrial Waste Shredder



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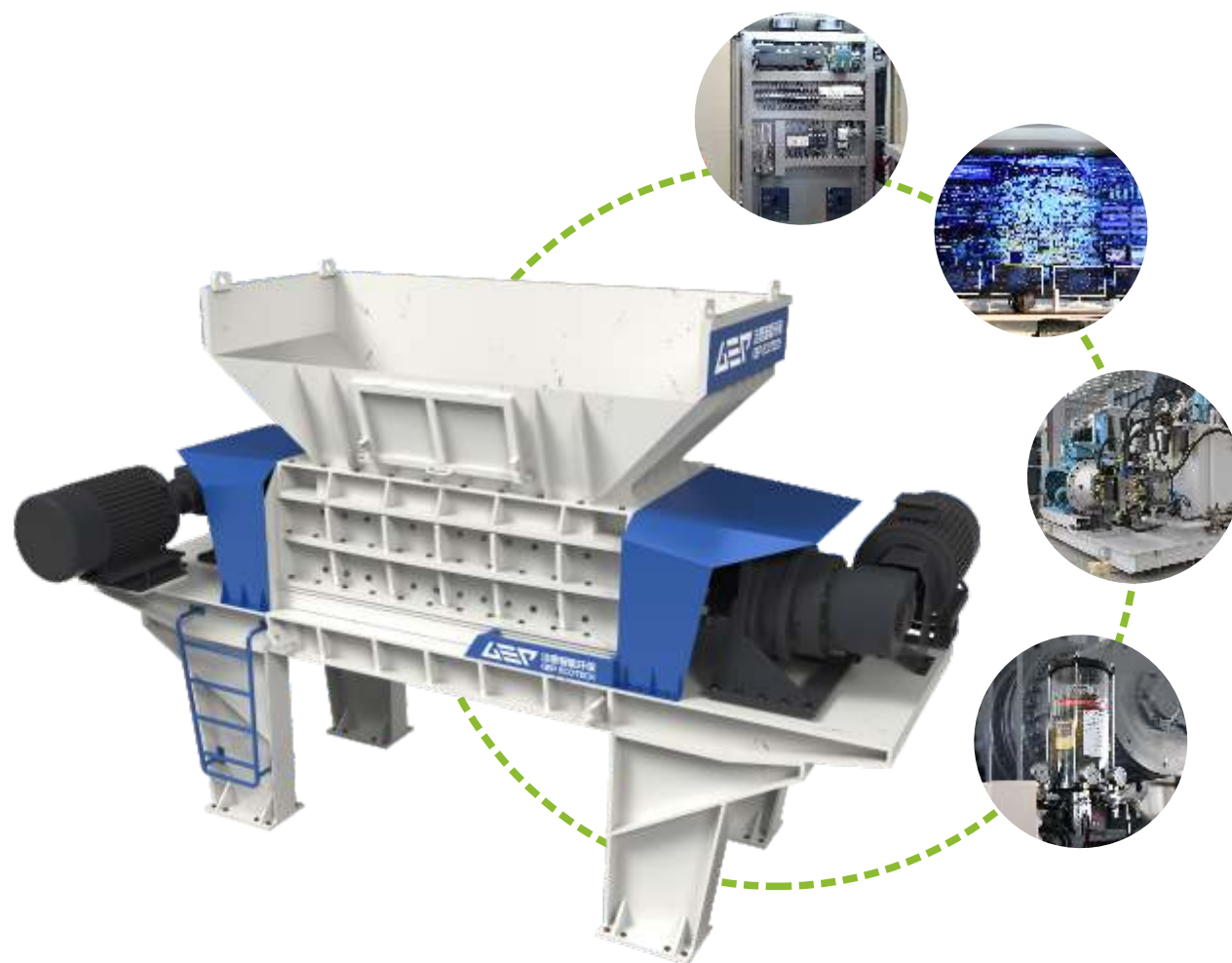
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GDI Series Industrial Waste Shredder



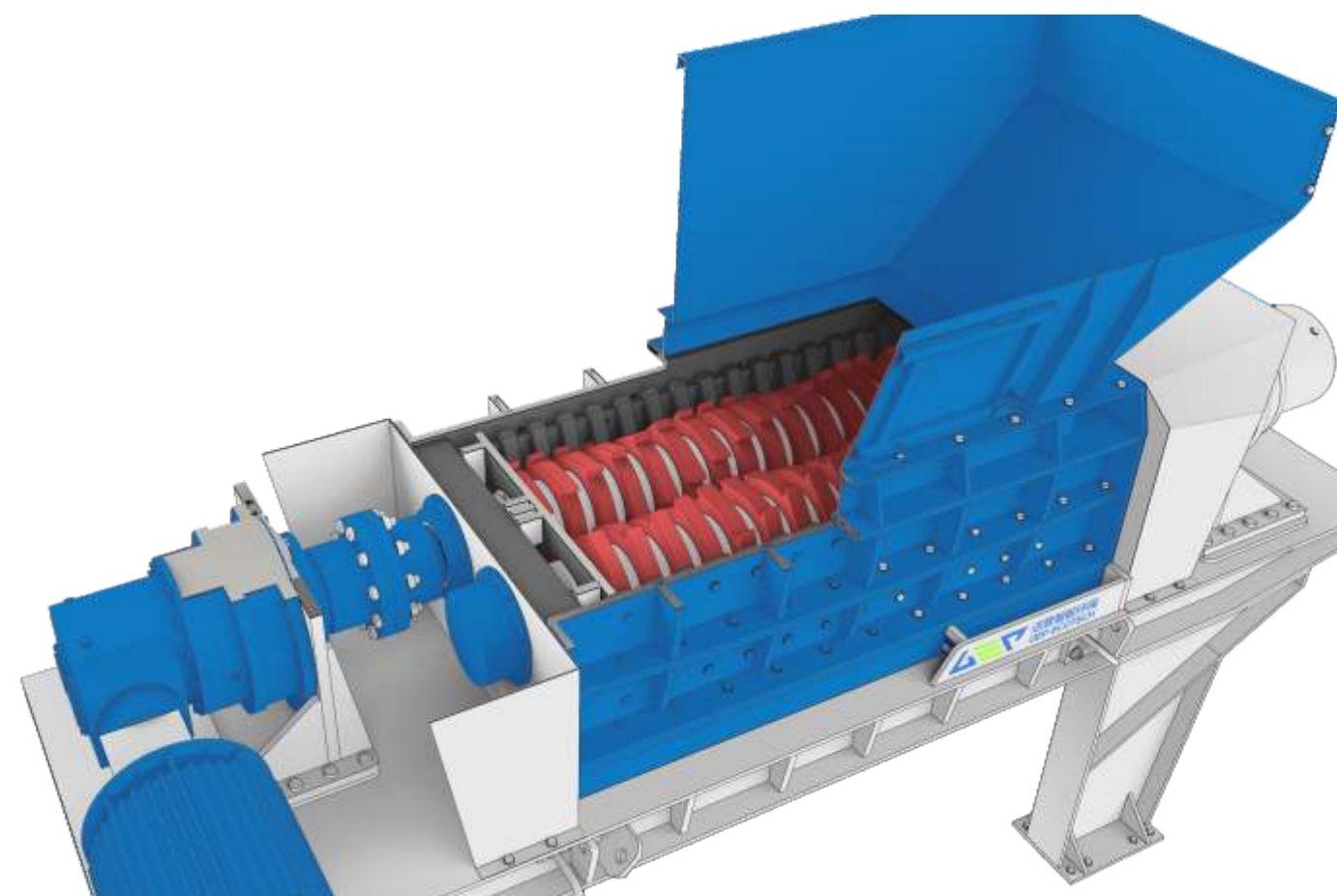
PRODUCT DESCRIPTION

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.





SHARING THE
| GREEN TECHNOLOGY |
共享绿色科技

Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GD18	5-10	100-300	5000×2650×3300
GD19	8-15	100-300	5300×2750×3400
GD110	10-20	100-300	5500×2850×3500
GD112	15-30	100-300	6000×3250×3600
GD113	20-40	100-300	6400×3500×4000
GD115	30-50	100-300	6900×3700×4500



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

NATIONAL PATENT



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
Double Shaft Shredder	Patent No.:ZL 2020 1 1009400.0
Shredder(I)	Patent No.:ZL 2022 3 0079048.1

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

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

12

Free repair within 12 months
 of delivery

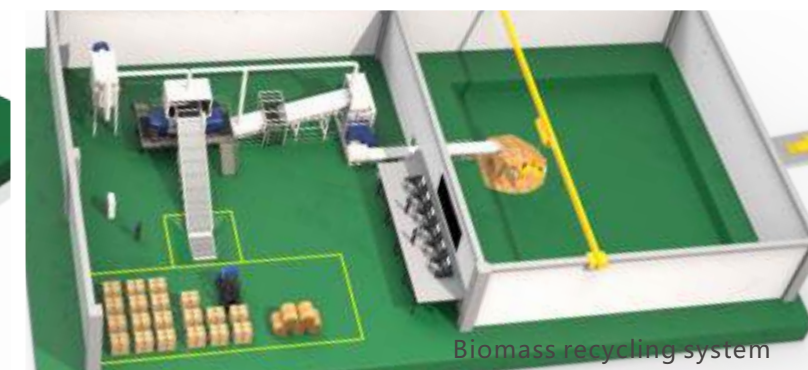
365

365 days a year for
 service requests

SERVICE SECTORS



Bulky waste recycling system



Biomass recycling system



Industrial waste recycling system



Construction and demolition waste recycling system



Waste tire recycling system



Tower type hazardous waste recycling system



Food waste recycling system



Domestic waste recycling system



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