

SHARING THE GREEN TECHNOLOGY

Patents ZL 2019 2 0154368.1
ZL 2019 2 0154367.7
ZL 2017 2 1351290.X



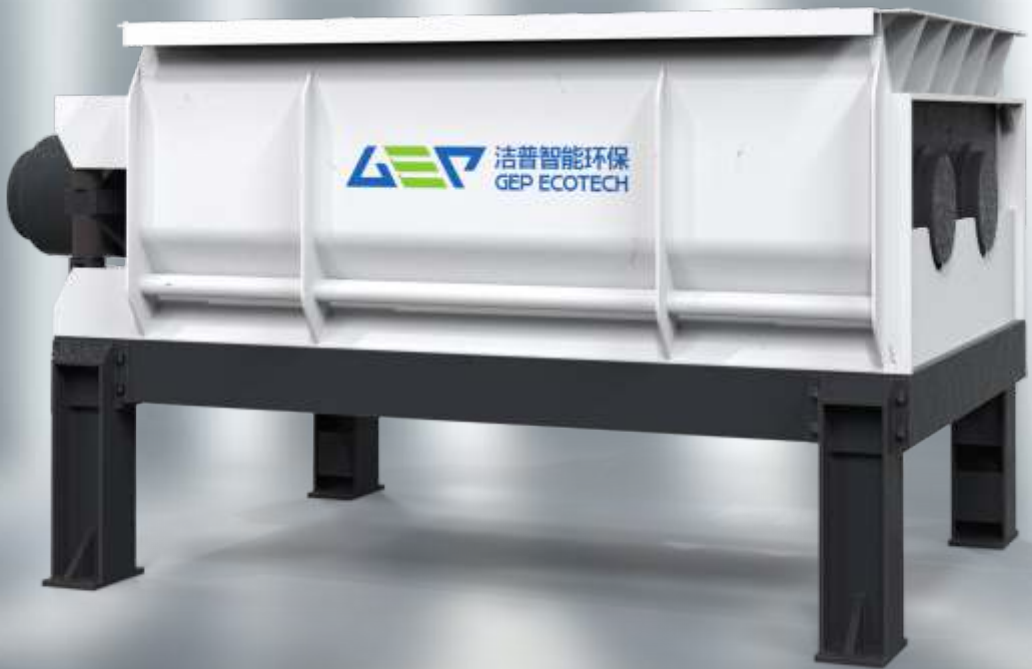
Patented Products



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

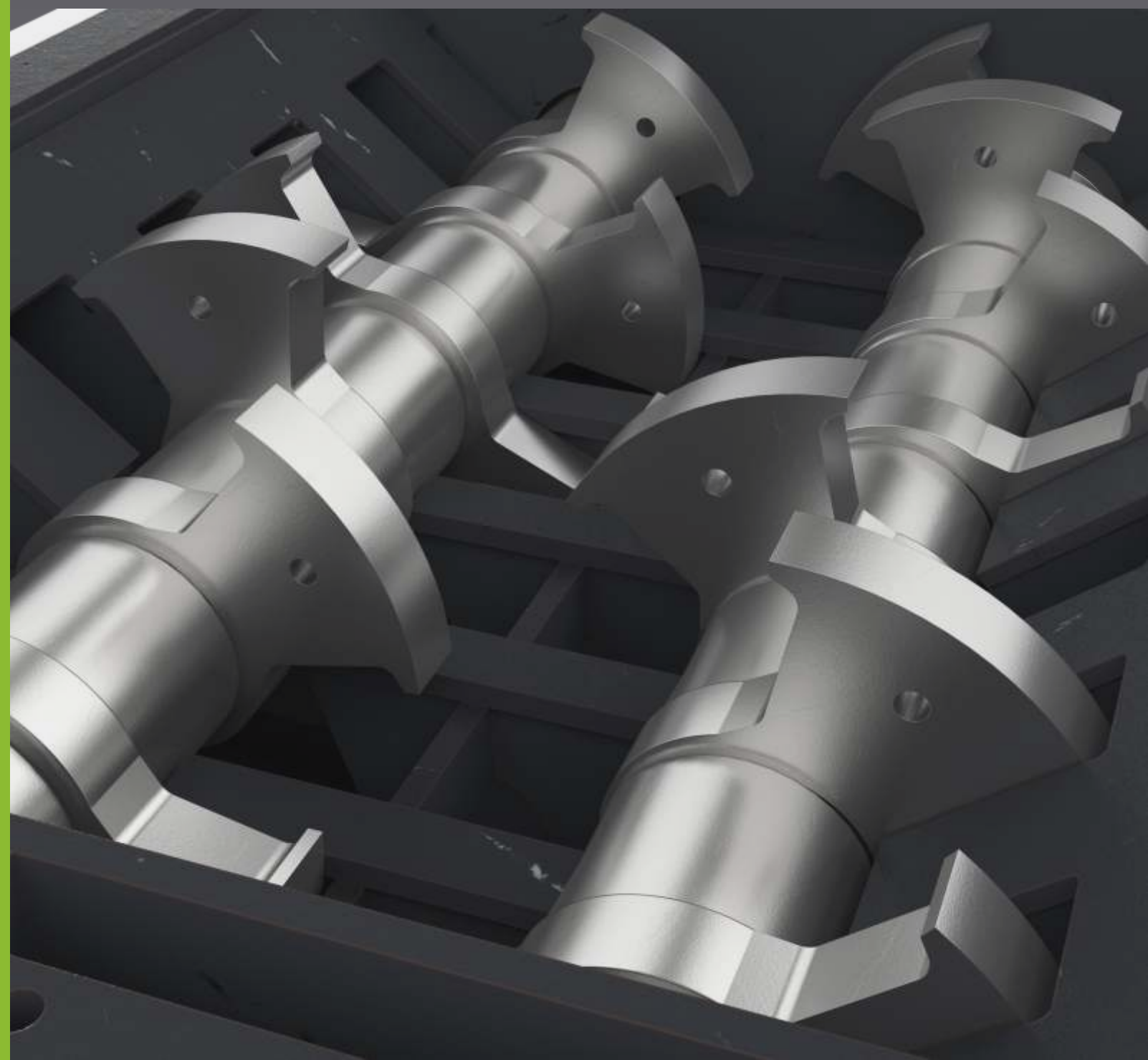
GC Series Hydraulic Primary Shredder



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GC Series Hydraulic Primary Shredder



R & D BACKGROUND

The GC series of double shaft hydraulic pre-shredder was created in response to the need for a machine that would facilitate subsequent shredding and sorting processes for large material size reduction and pre-shredding of bulky solid waste applications. The GC series is a robust, high energy and low consumption machine that delivers a consistent stream of relatively homogeneous material size at high feed rates. With multiple shredding mechanisms such as shearing, chopping and tearing, it can easily handle the breaking and disposal of bulky solid waste with complex composition, and is popular in applications such as bulky waste, domestic waste, decoration waste waste, hazardous waste, agricultural and forestry waste.

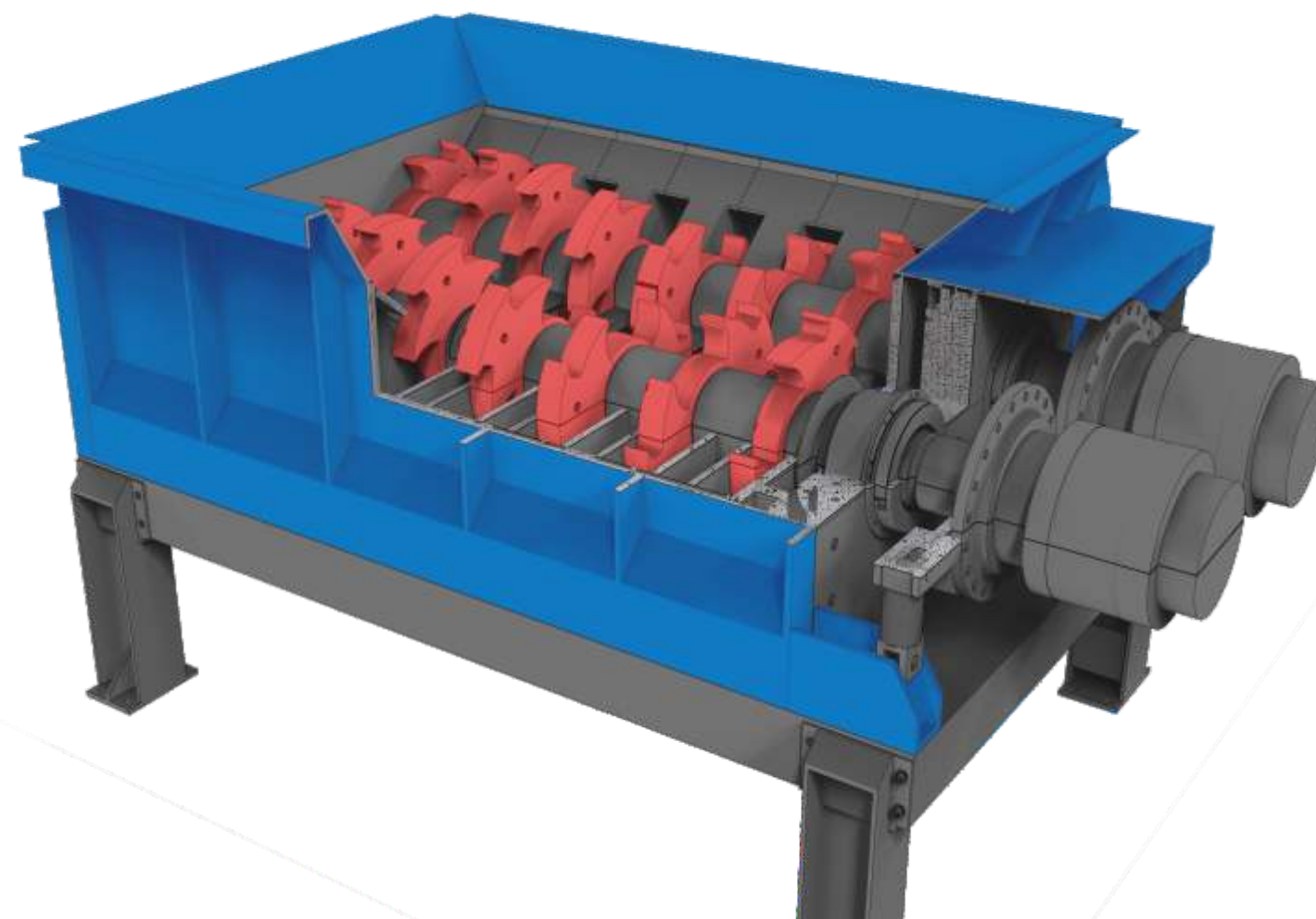


» Equipment composition

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

» Working principle

The pre-shredder uses a low speed, high torque double hydraulic motor to drive the cutters roll directly. The interaction between the movable cutters and the middle comb plate is used to shear, tear, pull and squeeze the material, which is mostly used as the first process of various solid waste shredding.



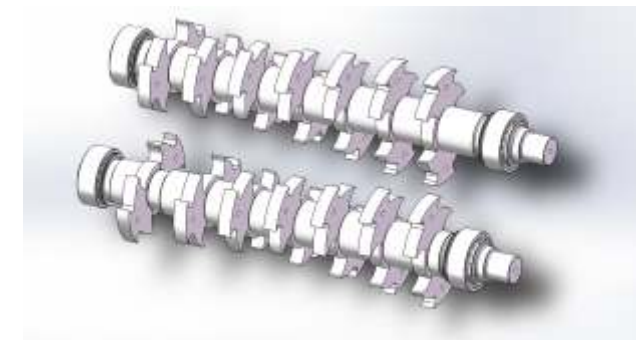
Product Highlights



01/

» High-strength shaft

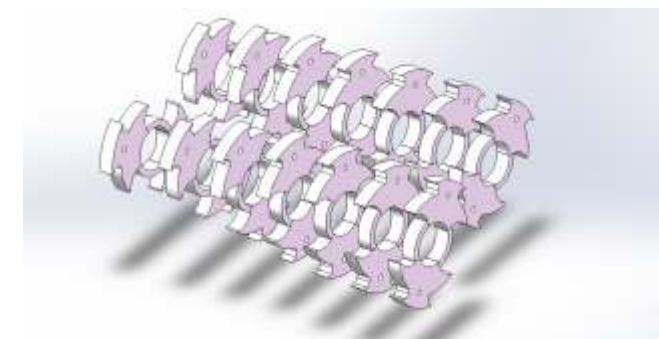
- The shaft is made of high-strength alloy steel, which has been heat-treated and processed with high precision for good mechanical strength, fatigue and impact resistance and long service life.



02/

» Special cutter design

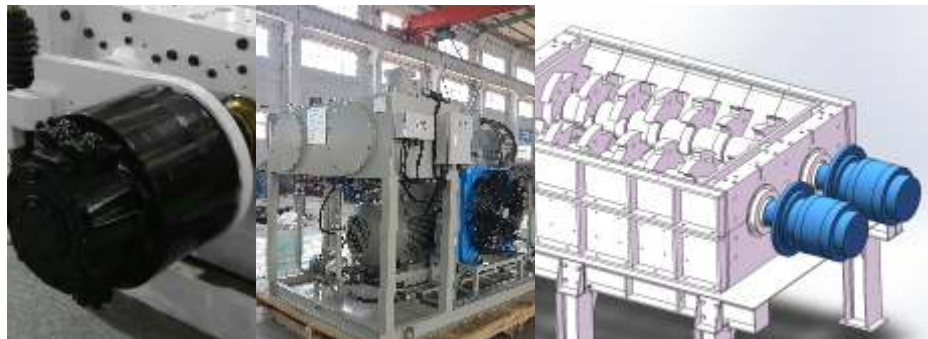
- Special cutter design, imported alloy steel material and surface hardening treatment, strong and durable; can be repaired by welding after wearing and tearing, reducing maintenance costs.



03/

» Hydraulic motor direct drive

- The hydraulic motor is directly driven by a low-speed, high-torque hydraulic motor, which is directly connected to the cutter shaft of the shredder and has a high transmission efficiency; the hydraulic system is equipped with high-quality hydraulic pumps and valves, with strong power output to ensure the stable operation of the hydraulic system.



05/

» GI intelligent system

- The intelligent monitoring system realises intelligent data analysis, visualisation of the production process, timely abnormal alarms and safety intelligence.



04/

» Automatic lubrication system

- The automatic bearing lubrication system ensures that the oil in the bearings is always sufficient to avoid damage to the bearings, which affects the normal operation of the equipment.



06/

» Intelligent dust reduction system

- It can be equipped with professional intelligent dust reduction system, and linkage of the whole shredding system to control all dust production points, energy saving and environmental protection.





Technical Parameters

Model	Capacity(t/h)	Discharge size(mm)	Dimension(mm)
GC12	10-30	100~400	3500×1900×3100
GC16	20-40	100~400	3800×2200×3200
GC18	40-60	100~400	4800×2400×3300

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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 with a split fixed cutter structure	Patent No.: ZL 2019 2 0154368.1
A kind of shredder cutter chamber with fixed cutter structure	Patent No.: ZL 2019 2 0154367.7
A kind of 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



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

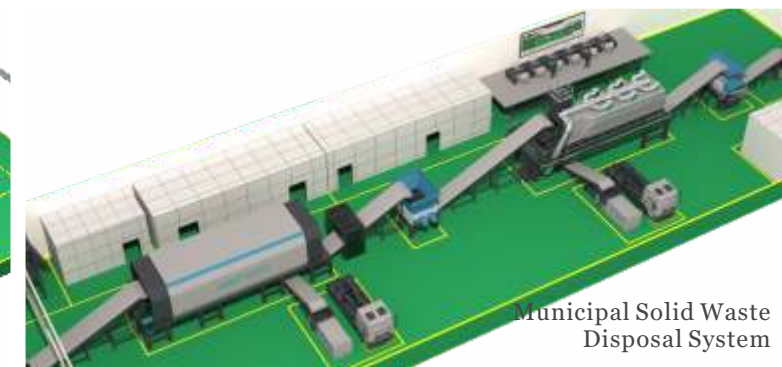
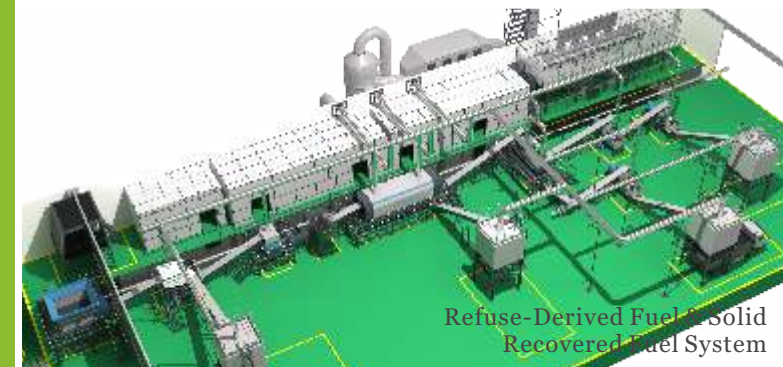
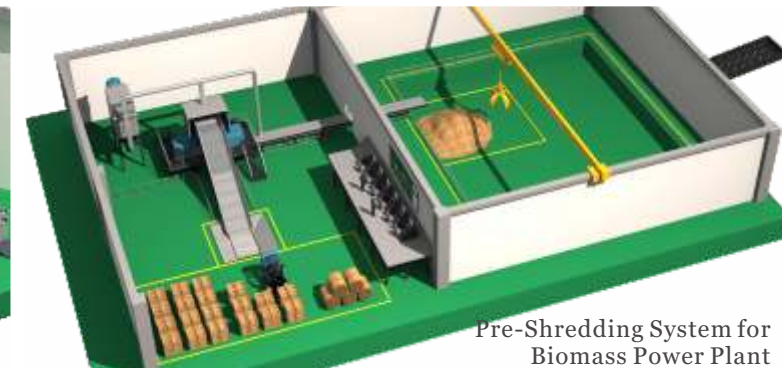
12

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