

SHARING THE GREEN TECHNOLOGY

Patents ZL 2019 2 0154368.1
ZL 2019 2 0154367.7
ZL 2021 2 3247216.2



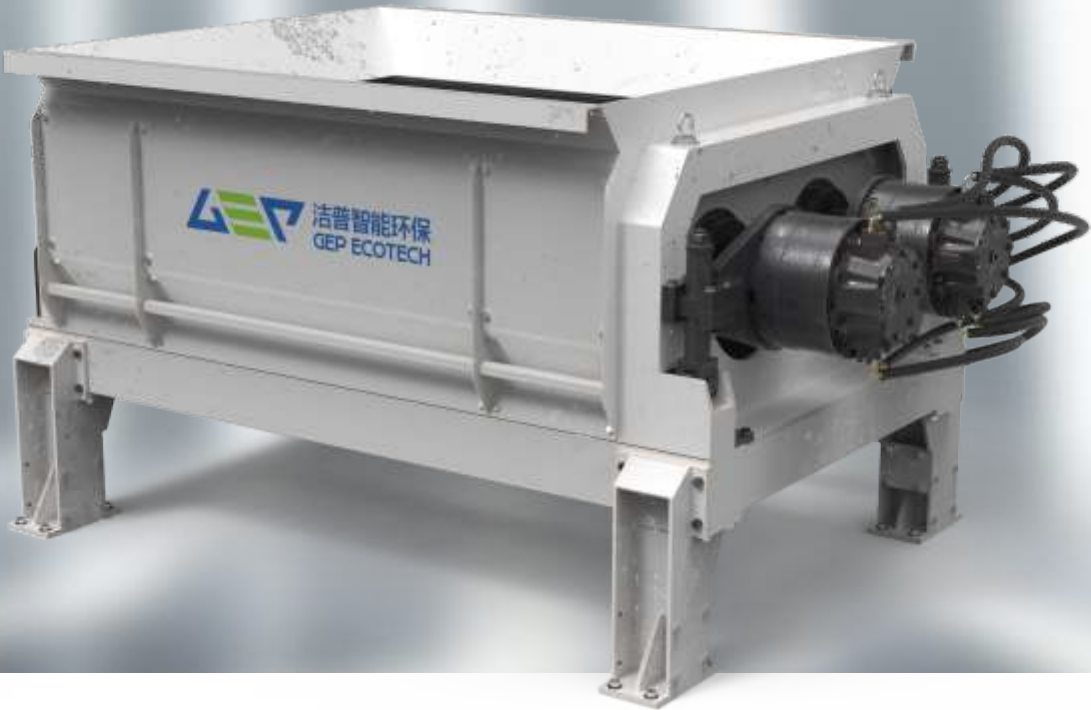
Patented Products



International
Quality System
Certification



CE Certification



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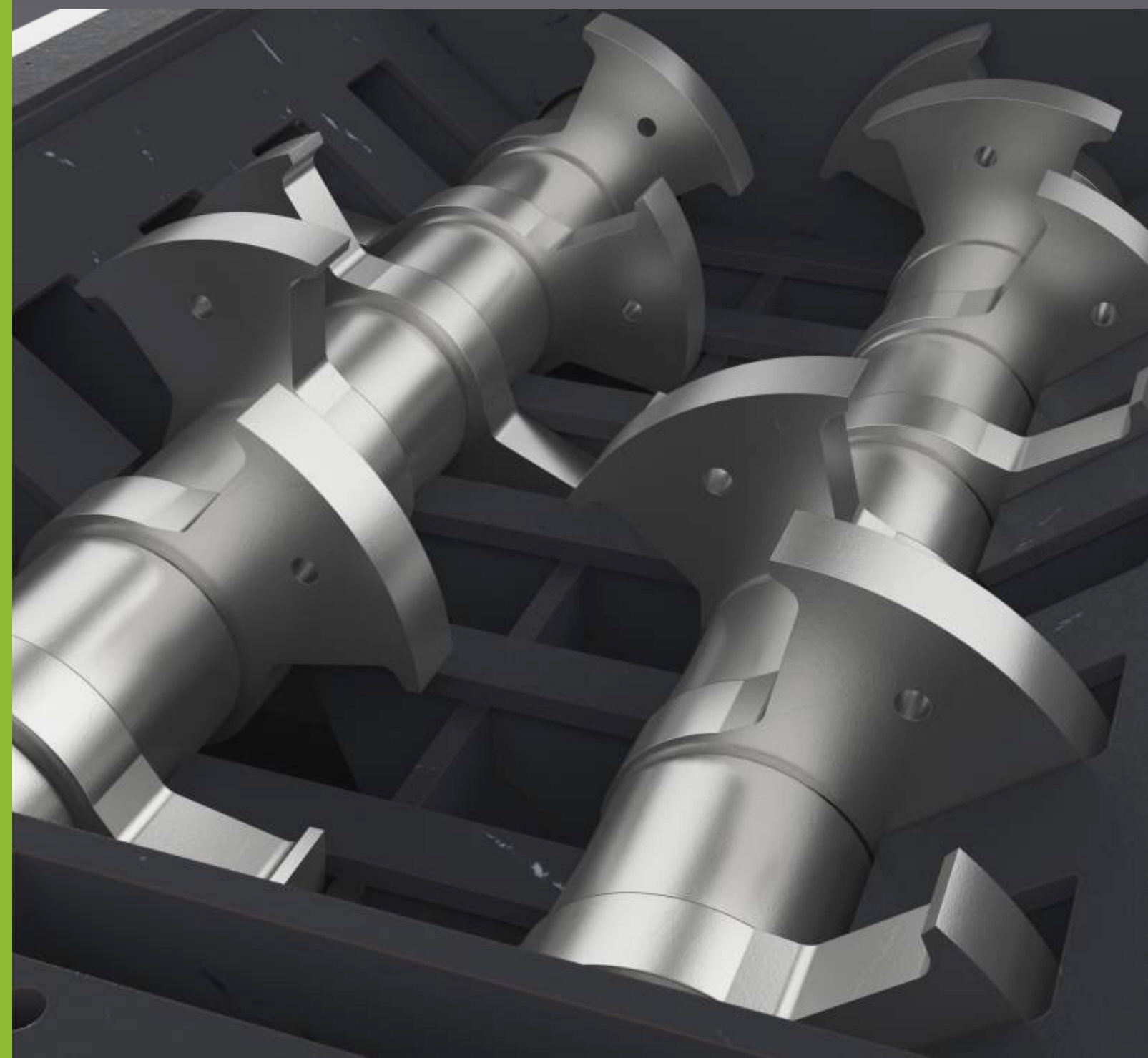
GC Series Hydraulic Primary Shredder



Contents

GC Series Hydraulic Primary Shredder

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PRODUCT DESCRIPTION

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.

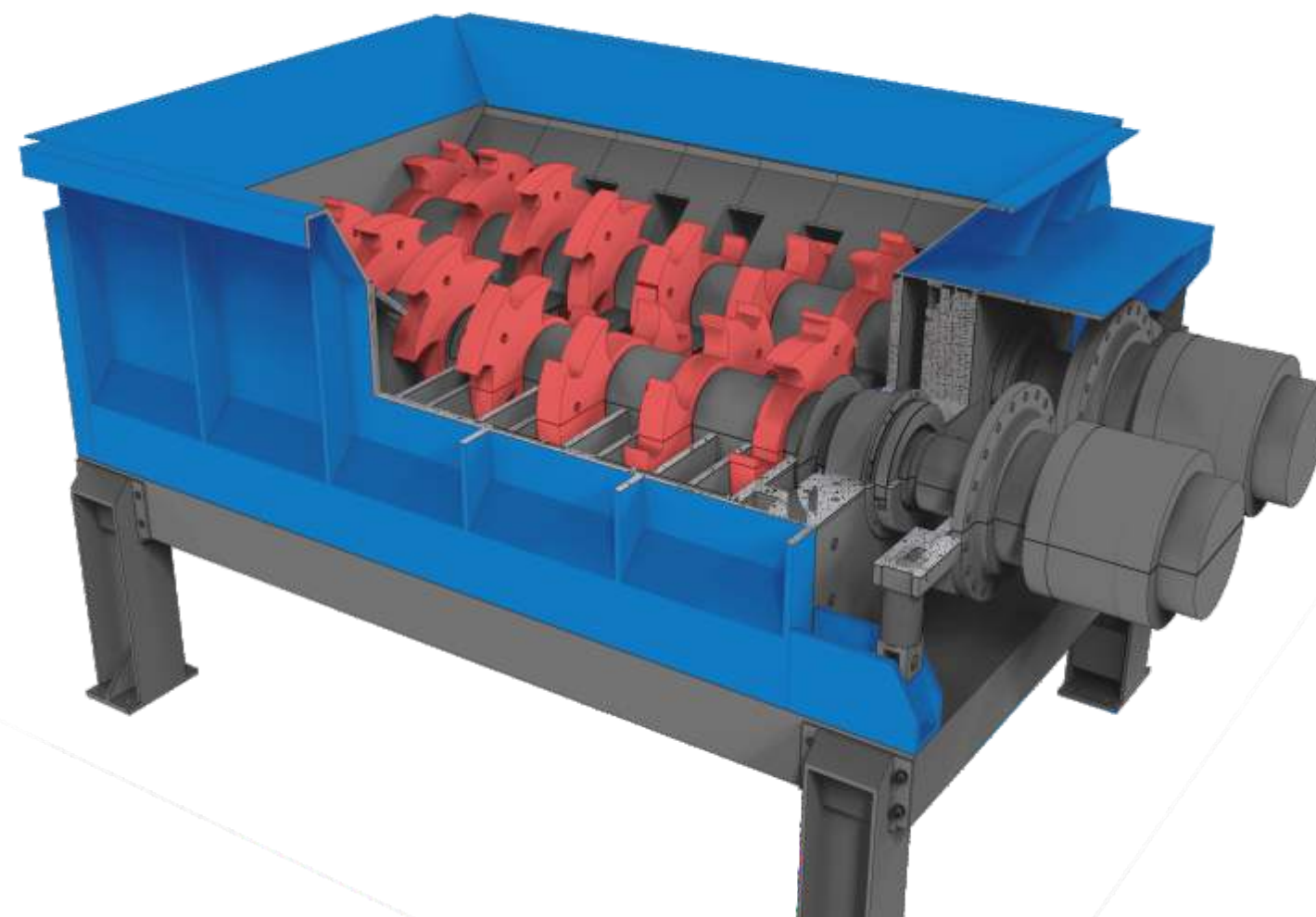


» Equipment composition

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

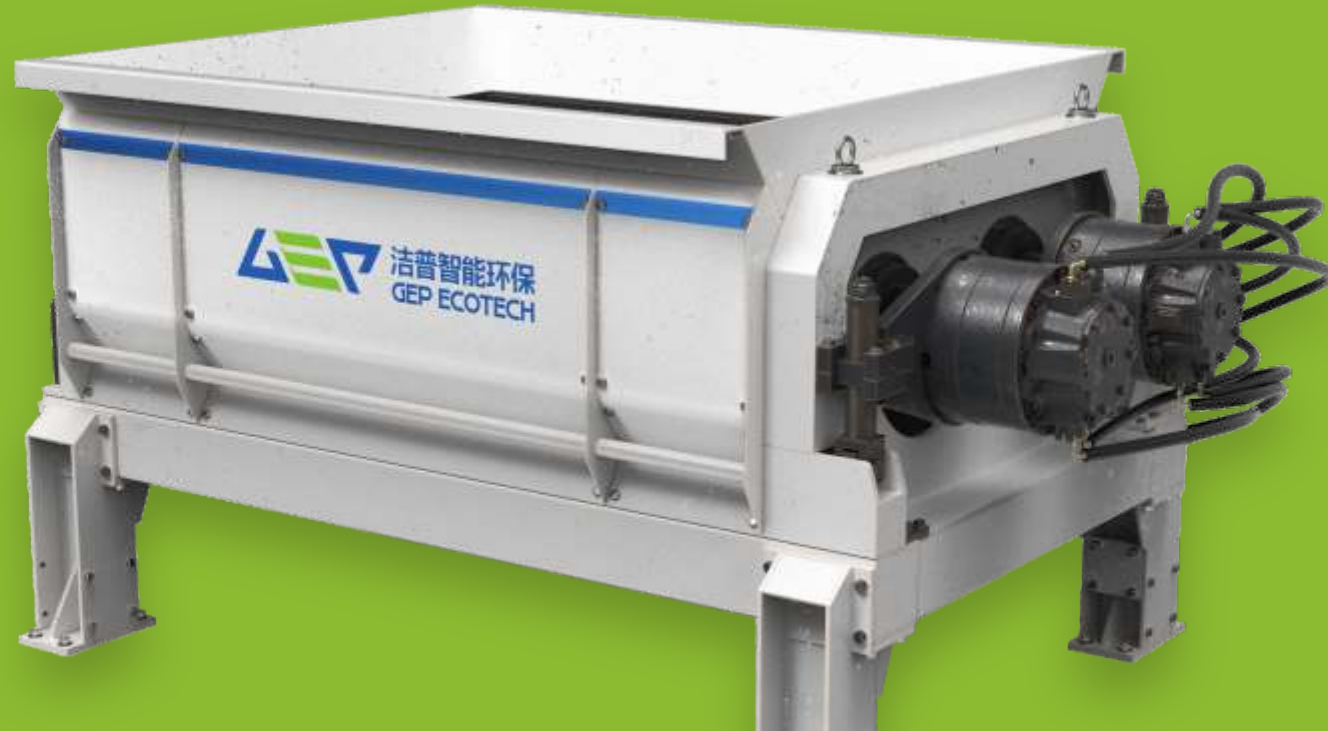
- It can be equipped with professional intelligent dust reduction system, and linkage of the whole shredding system to control all dust production points, energy saving and environmental protection.



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

SHARING THE
| GREEN TECHNOLOGY |
共享绿色科技



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 Primary Shredder with Controllable Discharging Speed	Patent No.: ZL 2021 2 3247216.2

SOFTWARE COPYRIGHT



Intelligent Dust Reduction System for Waste 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 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

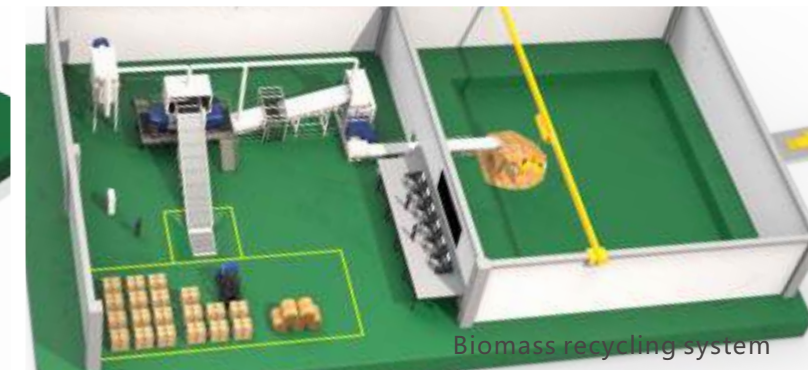
365

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

PRODUCT FAMILY



Double-Shaft Biomass
Shredder



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