

SHARING THE GREEN TECHNOLOGY



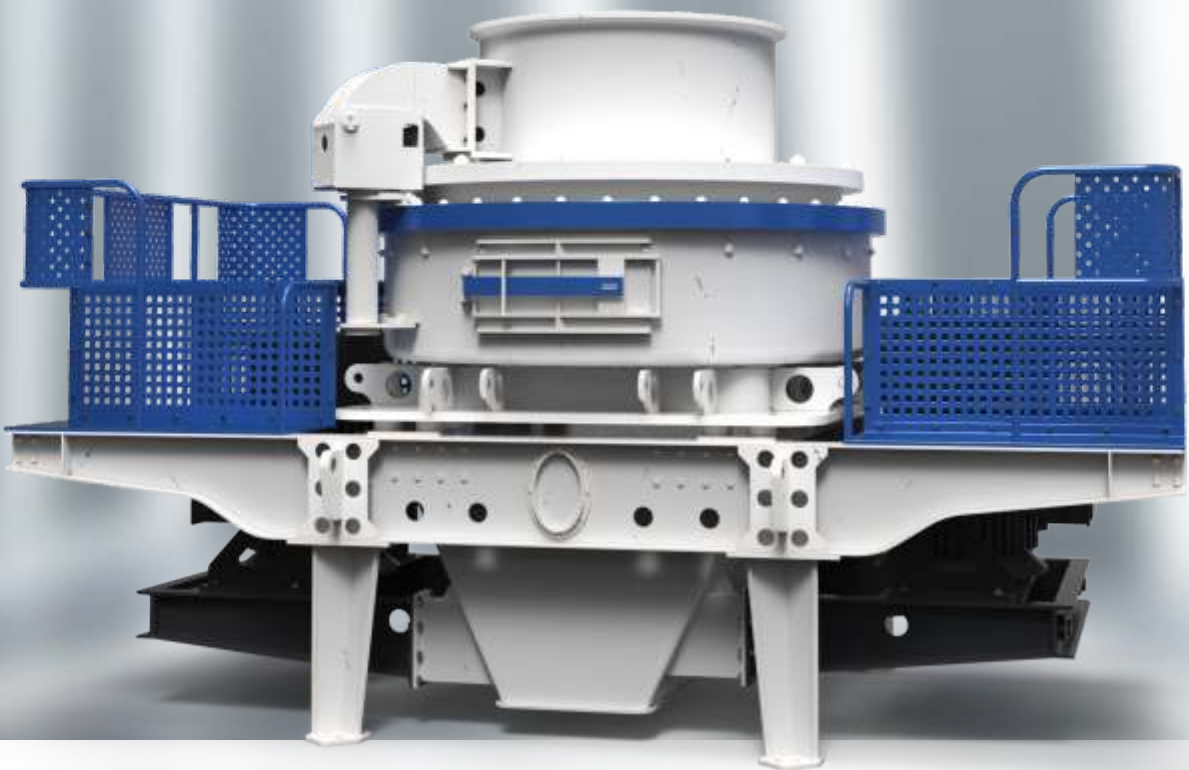
Patented Products



International
Quality System
Certification



CE Certification



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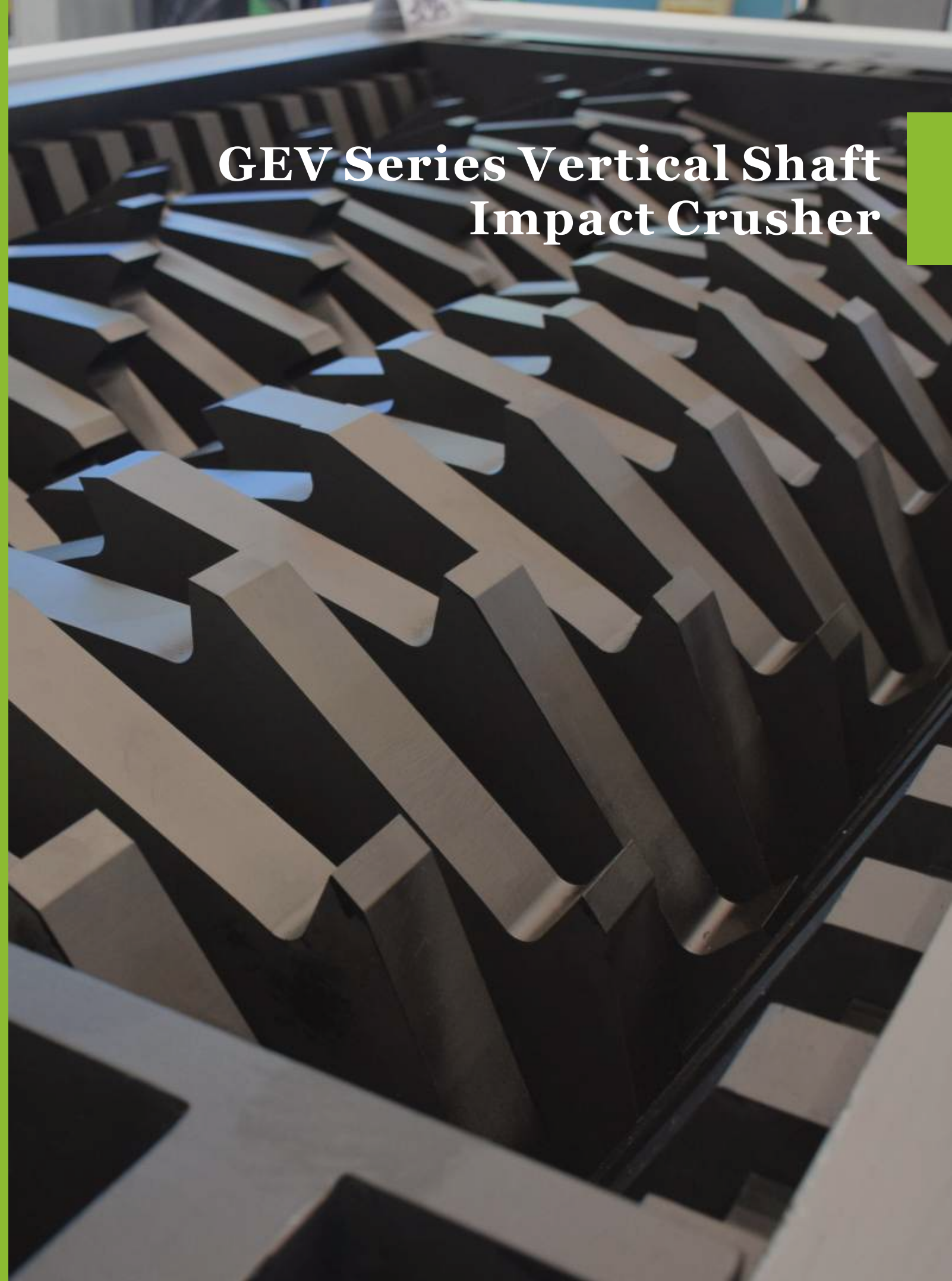
GEV Series Vertical Shaft Impact Crusher



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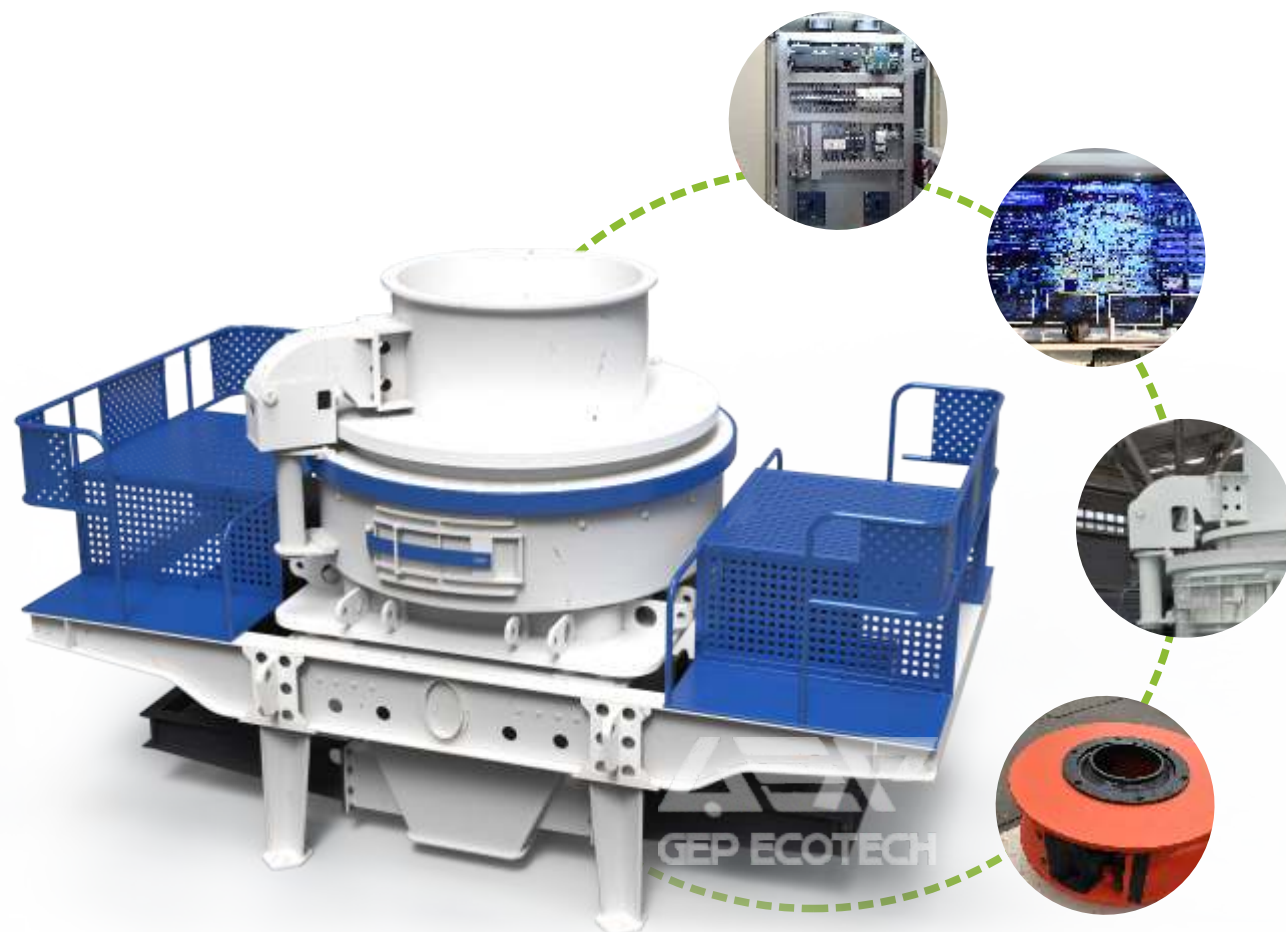
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GEV Series Vertical Shaft Impact Crusher



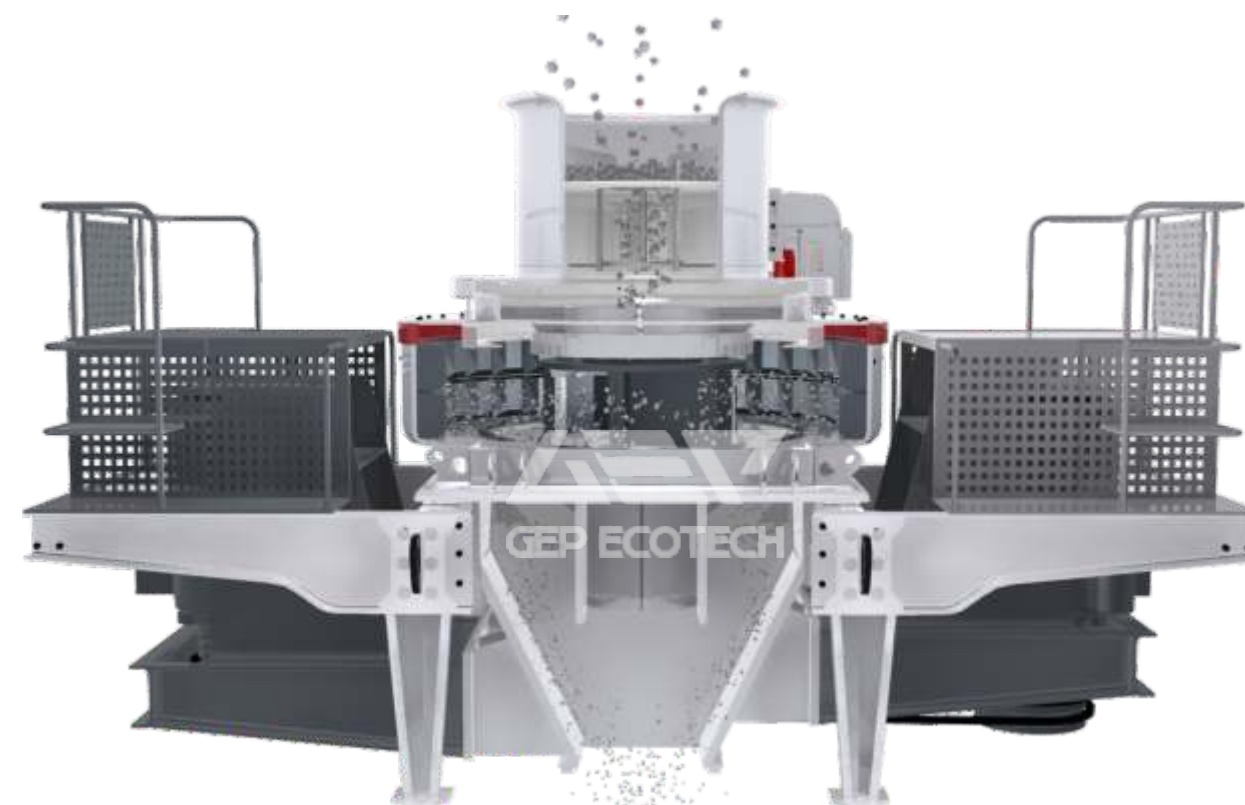
PRODUCT DESCRIPTION

The sand making machine, also known as vertical shaft impact crusher, combines two crushing modes, stone to stone and stone to iron, and can crush harder materials such as concrete and waste bricks in construction waste and renovation waste to very small sizes, usually for secondary or tertiary fine crushing, and has a shaping function, and the finished grain shape is mostly cubic with low needle flake content, ready for subsequent recycling. The simple structure, considerable processing capacity and low investment cost make it very popular in the field of construction waste crushing and disposal and recycling.



» Working principle

The working principle of GEV series sand making machine can be briefly described as the principle of stone hitting stone and stone hitting iron. The material enters the sand making machine from the feed hopper, and the material is divided into two parts by the scattering disk (cone), one part enters the impeller rotating at high speed from the middle of the scattering disk (cone), is accelerated rapidly in the impeller, and then is ejected from the runner at a speed of 60-70 m/s, and is crushed by the high speed impact on the surrounding impact blocks (stone hits iron). The crushed material is firstly rebounded to the top of the crushing cavity, then deflected to move downward and produce high speed impact and high density crushing (stone hits stone) with another part of the material falling from around the scattering disk (cone) and the subsequent material launched from the impeller runner, and finally discharged through the lower discharge port.



» Equipment composition

Frame part, bearing barrel part, rotor part, lubrication system, GI intelligent monitoring system (optional), intelligent dust reduction system (optional)

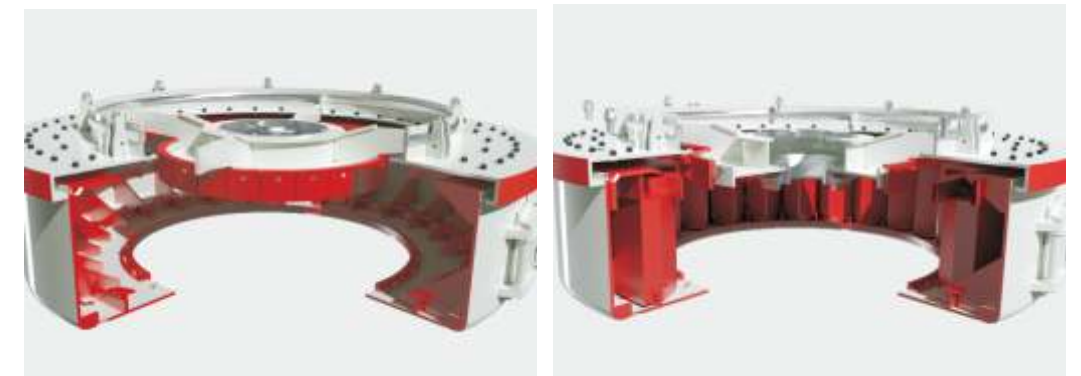
Product Highlights



01/

» Diversified functions

- It can realize the conversion between two feeding modes: complete center feeding and center feeding accompanied by cascade feeding, as well as the conversion between two crushing modes: stone hitting stone and stone hitting iron, with the function of both fine crushing and coarse grinding, which is multi-purpose.



02/

» Hydraulic capping device

- Equipped with hydraulic cover-opening device, the cover can be opened quickly by hydraulic jack during maintenance, which can quickly complete the maintenance and dismantling of the internal parts of the crushing chamber, shortening the downtime and saving costs.



03/

» Optimized impeller design

- The optimized impeller design reduces the material passing resistance, improves the material passing capacity and crushing ratio, and realizes the double improvement of crushing efficiency and output.



04/

» The finished product is cubic in shape

- The finished product has excellent granularity, mostly cubic, low flake content, reasonable gradation, adjustable fineness modulus, and high bulk density, which is especially suitable for the recycling of construction waste to produce good quality sand and gravel aggregates.



Technical Parameters

Model	Maximum feed particle size (mm)	Rotation speed (r/min)	Capacity (t/h)	Power (kW)	Dimension (mm)
GEV3000	45(70)	1700-2000	30-60	75-90	3080×1716×2126
GEV4000	55(70)	1400-1620	50-90	110-150	4100×1916×2166
GEV5000	65(80)	1330-1530	80-150	180-264	4300×2215×2427
GEV6000	70(100)	1200-1400	120-250	264-320	5300×2728×2773
GEV7000	70(100)	1000-1200	180-350	320-400	5300×2728×2863
GEV8000	80(150)	1000-1100	250-380	400-440	6000×3000×3420
GEV9000	80(150)	1000-1100	380-600	440-630	6000×3022×3425



INTELLIGENT SOLID WASTE DISPOSAL SOLUTION PROVIDER AND EQUIPMENT MANUFACTURER

NATIONAL PATENT



Anti-blocking Nozzle	Patent No.:ZL 2017 1 0365245.8
A Shredder Control System	Patent No.:ZL 2019 2 0259196.4
Negative Pressure Dust Removal Device	Patent No.:ZL 2017 2 0572159.X

SOFTWARE COPYRIGHT



Crusher Operation Self-diagnosis System	Registration number: 2019SR0071856
Crusher O&M Monitoring Systems	Registration number: 2019SR0067379
Crusher Intelligent Monitoring System	Registration number: 2019SR0072287
Crushing Production Line Intelligent Monitoring System	Registration number: 2019SR0053414
Intelligent Dust Reduction System for Mining Crusher	Registration number: 2018SR1078342
Intelligent Dust Reduction System for Waste Crushing	Registration number: 2019SR0053423
Intelligent Monitoring System for Waste Crushing Line	Registration number: 2019SR0072410



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

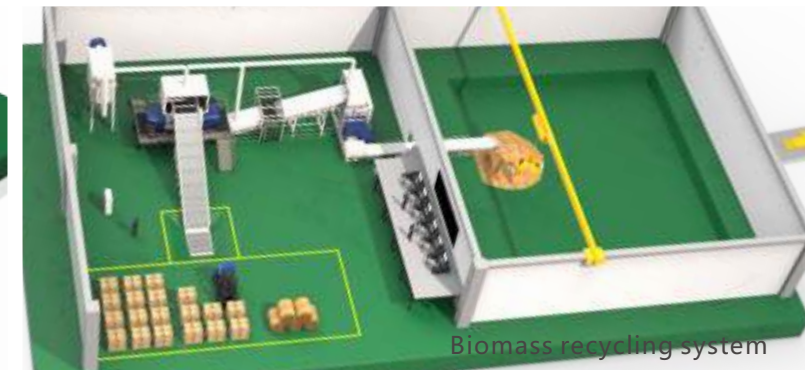
365

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