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SHARING THE GREEN TECHNOLOGY

Patents ZL 2017 1 0380803.8
ZL 2022 2 0329466.6
ZL 2021 2 3310497.1



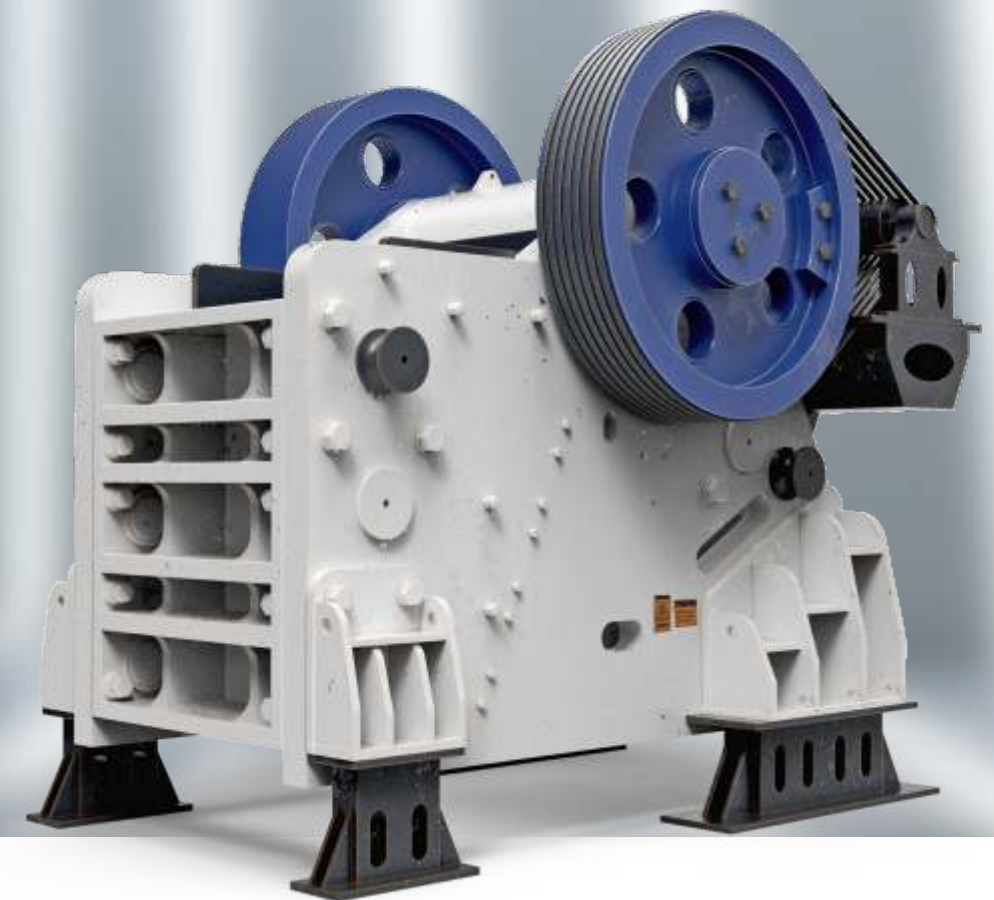
Patented Products



International
Quality System
Certification



CE Certification



GEC Series Jaw Crusher



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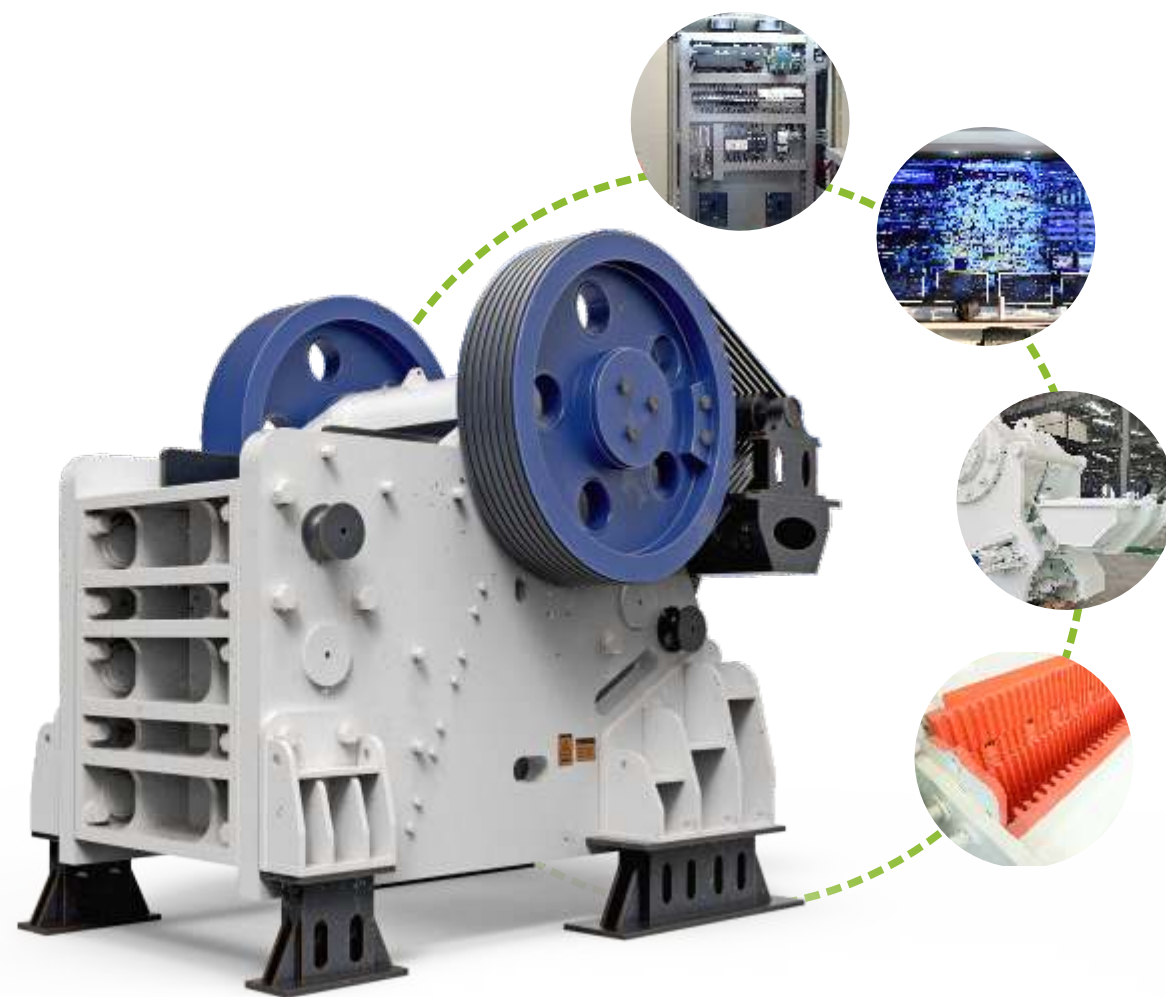
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GEC Series Jaw Crusher



PRODUCT DESCRIPTION

The annual output of urban construction waste in China has exceeded 3 billion tons, and is increasing year by year. These misplaced golden resources are mostly arbitrarily landfilled or piled up, causing serious pollution problems. Construction waste contains a large amount of concrete, stone, brick and tile, asphalt and other materials of medium to high hardness, which require a jaw crusher with high crushing power for the initial crushing. The GEC series jaw crusher has disadvantage of large crushing ratio, high bearing capacity and strong wear resistance; symmetrical V-shaped structure, larger capacity; mature technology and long-lasting test.

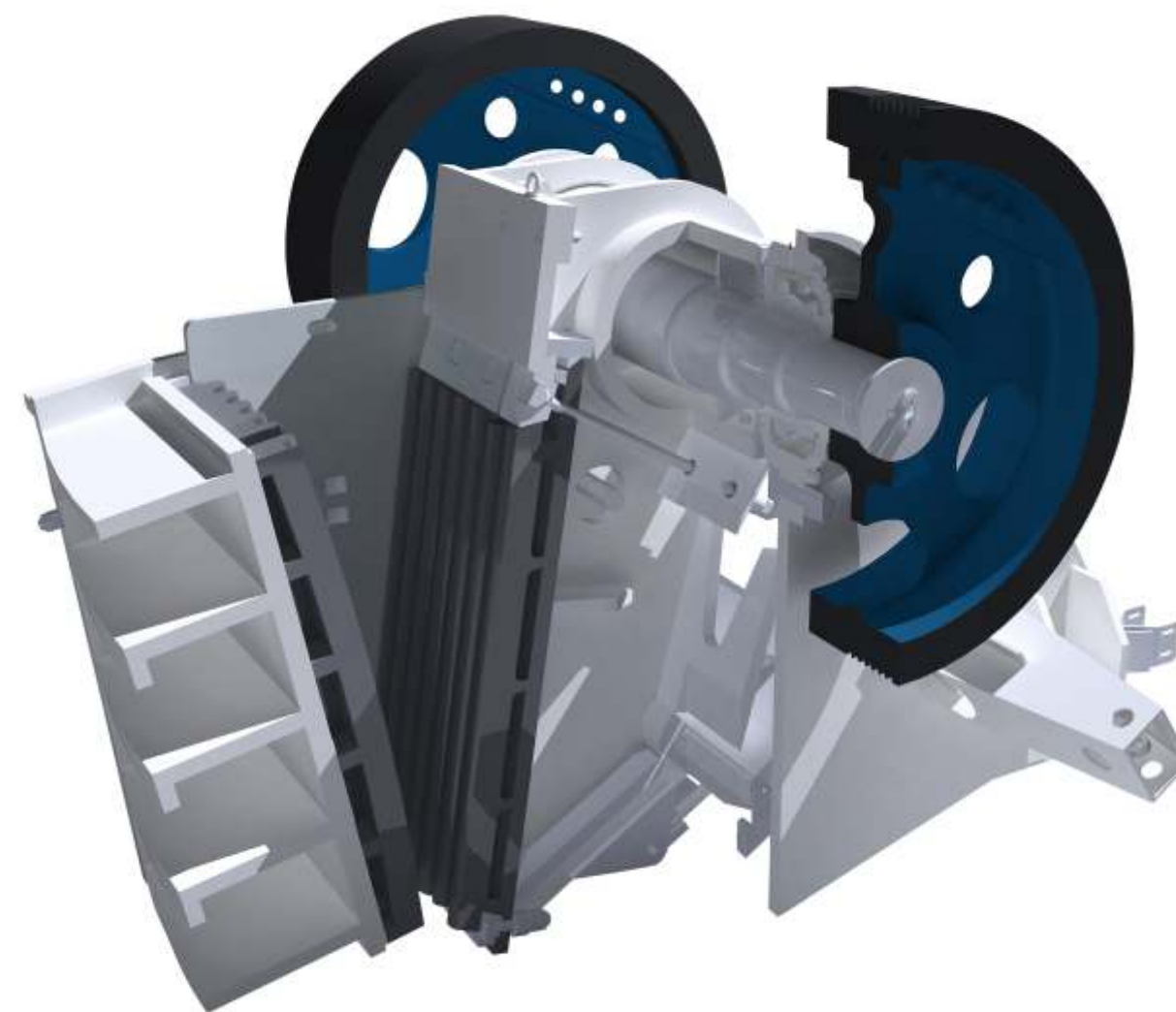


» Equipment composition

Frame part, eccentric shaft rotation part, crushing chamber working part, safety device, discharge opening adjustment device, GI intelligent monitoring system (optional), intelligent dust reduction monitoring system (optional)

» Working principle

The electric motor drives the pulley through the belt, and then drives the eccentric shaft through the pulley to make the moving jaw swing back and forth and up and down, and when the movable jaw pushes the movable jaw plate to the fixed jaw plate, the material is crushed or split. When the movable jaw and the movable jaw plate are backed up by the eccentric shaft and the spring, the material previously crushed or split is discharged from the lower discharge port of the jaw plate.



Product Highlights



01/

» V shape crushing cavity

- The crushing cavity adopts symmetrical V-shaped structure, the actual width of the feed opening is the same as the nominal width of the feed opening, increasing the crushing capacity.



02/

» Assembled frame structure

- The use of assembled, modular, non-welded frame structure, which is more convenient for installation, transportation, fatigue strength, with high reliability.



03/

» Low stress welding method

- Adopt large arc transition fillet welding method to reduce stress concentration, ensure equal strength and uniform force in all directions of the frame, and stronger impact resistance.



04/

» Heavy movable jaw assembly

- The heavy-duty jaw assembly adopts forged heavy-duty eccentric shaft, high-quality heavy-duty rolling bearings, and finite element software-optimized jaw body, giving the equipment high impact resistance and high stability.



05/

» Centralized lubrication system

- Centralized lubrication system to reduce the difficulty of maintenance; labyrinth seal to ensure the internal lubricating grease of the bearings is clean and improve the service life of the bearings.



06/

» Hydraulic adjustment device

- The use of double wedge or hydraulic discharge adjustment device which is more simple and faster than the shim adjustment operation, shortened the downtime.



07/

» Integrated motor mounting

- The motor base and frame are installed in one piece, saved installation space and reduced the length of the v-belt, and because of the synchronous movement of the frame, motor base and motor, the adjustable motor base realizes the adjustment of the v-belt tension, thus extending the service life of the v-belt.



08/

» Rubber shock absorbing device

- Fixed with rubber vibration damping device, which effectively absorbs the peak vibration of the equipment, while allowing the displacement of the equipment in vertical and horizontal directions, thus reducing the impact on the foundation.



Technical Parameters

Model	Feed Opening (mm)	Max Feeding Size (mm)	Discharge Range (mm)	Capacity (t/h)	Motor Power (kW)	Weight (t)
GEC2512	250×120	220	20-40	20-50	37-45	8
GEC5180	510×800	425	40-150	50-150	55-75	8.9
GEC6310	630×1000	580	80-180	100-230	75-90	20.5
GEC8511	850×1100	680	90-215	160-570	110-132	33.7
GEC9512	950x1250	800	100-250	260-810	132-160	49.3
GEC1215	1200×1500	960	150-350	400-1000	200-250	90.3

SHARING THE
| GREEN TECHNOLOGY |
共享绿色科技



NATIONAL PATENT



Jaw Crusher	Patent No.:ZL 2017 1 0380803.8
A Dust Collection Device for Jaw Crusher	Patent No.:ZL 2022 2 0329466.6
An Opening Adjustment Structure for Jaw Crusher	Patent No.:ZL 2021 2 3310497.1
A Main Shaft Sealing Cover for Jaw Crusher	Patent No.:ZL 2021 2 3243876.3
A Frame for Jaw Crusher	Patent No.:ZL 2021 2 3247240.6

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
Intelligent Monitoring System for Waste Crushing Line	Registration number: 2019SR0072410
Crushing Production Line Intelligent Monitoring System	Registration number: 2019SR0053414
Intelligent Dust Reduction System for Waste Crushing	Registration number: 2019SR0053423
Intelligent Dust Reduction System for Mining Crusher	Registration number: 2018SR1078342

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



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

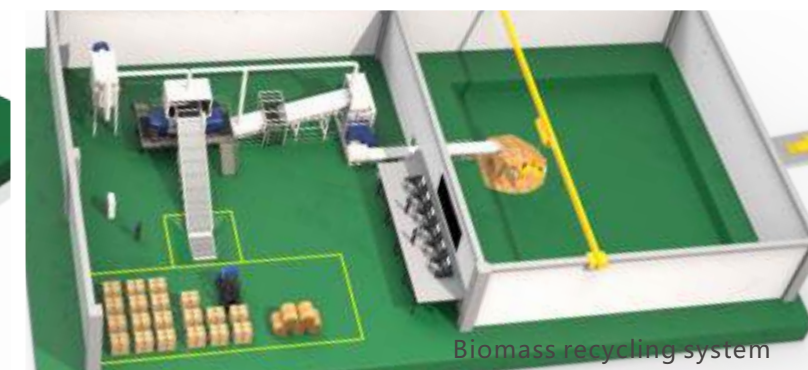
365

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 Pelletizing Mill



Wind Sifter