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SHARING THE GREEN TECHNOLOGY



Patented Products



International  
Quality System  
Certification



CE Certification



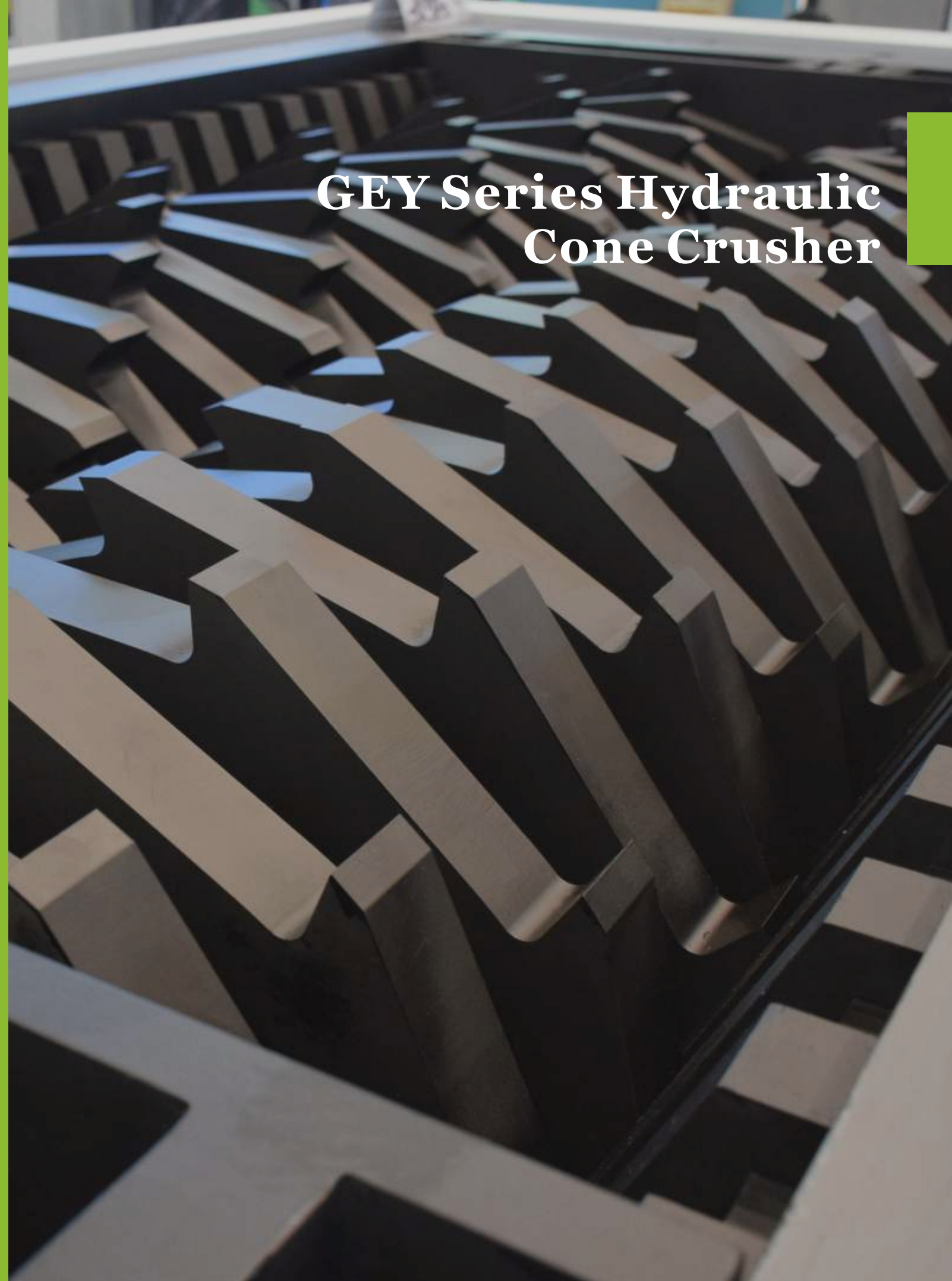
## GEY Series Hydraulic Cone Crusher



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## GEY Series Hydraulic Cone Crusher

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## PRODUCT DESCRIPTION

When the cone crusher, which has long been well-known in the field of mining crushing, is increasingly involved in the resource utilization of construction waste, demolition waste and decoration waste due to the rapid development of urban construction, GEP quickly optimized and innovated the cone crusher for mining in response to the characteristics of new materials and launched the new hydraulic cone crusher for construction waste in the market. In addition to the strong crushing efficiency and output, the new product also takes into account the user's emphasis on energy utilization, ease of operation and maintenance, and operating costs, and can process the broken bricks and rubble in construction waste into high-quality sand and gravel aggregate.



### » Working principle

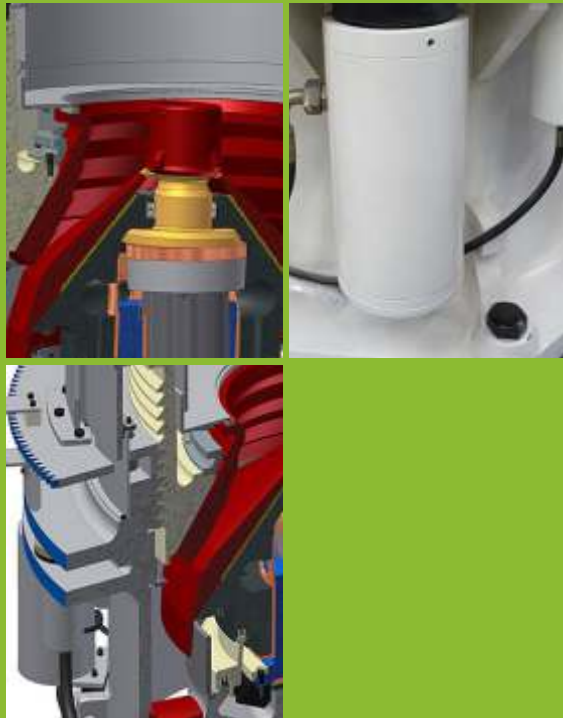
The hydraulic cone crusher adopts the principle of layer compression crushing, the motor drives the eccentric sleeve to rotate through the v-belt, transmission shaft and bevel gear, and the moving cone makes a swinging motion under the action of the eccentric sleeve. The moving cone and the fixed cone are sometimes close to each other and sometimes deviated, 360° to crush the material in the crushing chamber, and the crushed material is discharged from the lower part.



### » Equipment composition

Frame part, support sleeve part, adjustment ring part, dynamic cone part, eccentric sleeve part, transmission part, safety device part, GI intelligent monitoring system (optional), intelligent dust reduction system (optional)

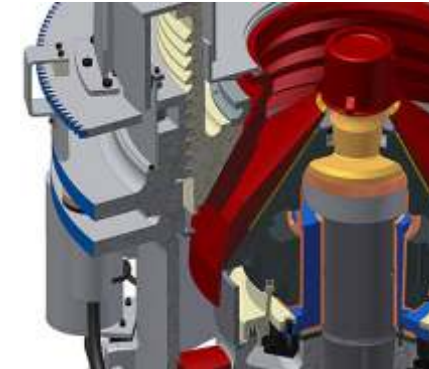
# Product Highlights



01/

## » Fixed spindle structure

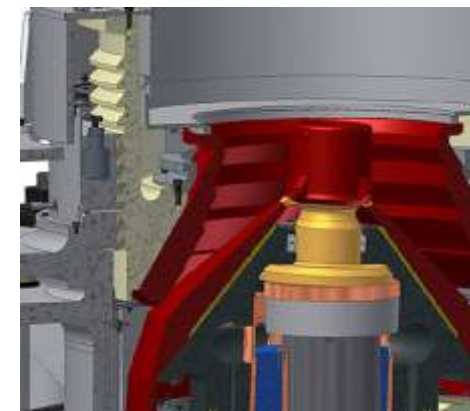
- With the structure of fixed spindle and rotating eccentric sleeve around the spindle, the force is more reasonable and can withstand greater crushing power, thus obtaining higher output.



02/

## » Laminated crushing principle

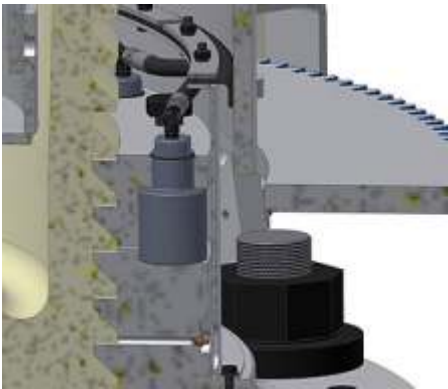
- Adopting the principle of laminated crushing, instead of the traditional single particle crushing, the material is extruded and grounded by multiple parties in the crushing cavity, which makes the crushing and self-crushing more adequate, with higher crushing efficiency and lower wear and tear of wearing parts.



03/

» Hydraulic adjustment of discharge port

- Through the hydraulic motor forward and reverse rotation, to achieve remote and accurate adjustment of the size of the discharge opening; through the hydraulic motor continuous rotation, to achieve rapid disassembly and installation of the adjustment ring, saving time and effort quickly.



04/

» Hydraulic safety system

- The insurance system consists of a large insurance cylinder and a large capacity accumulator. The insurance cylinder provides crushing force for the equipment when it is tensioned in the forward direction, and plays the role of overload protection and over-iron release at the same time, and can realize the cavity clearing function when it is reversed.



# Technical Parameters

Model	Chamber type	Inlet size（mm）	Minimum discharge opening size on closed side(mm)	Capacity（t/h）	Power（kw）	Weight（t）
GEY160	C	150	13	120-240	160	13
	F	76	6	55-180		
GEY220	C	225	13	150-430	220	18
	F	86	6	90-260		
GEY315	C	290	13	190-610	315	26
	F	100	6	108-320		
GEY400	C	320	13	230-700	400	33
	F	120	6	140-370		





## 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 System	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

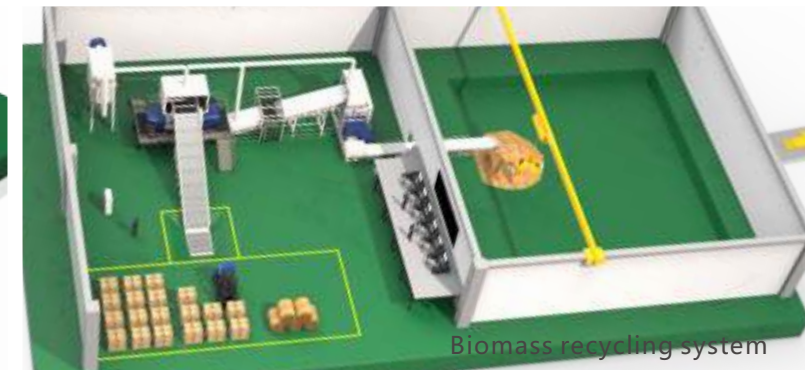
365

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



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