

# Single-Shaft Shredder

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Patented Products



International  
Quality System  
Certification



CE Certification

Patents

ZL 2022 2 0059957.3  
ZL 2020 2 2105462.3  
ZL 2019 2 0908474.4

# Better processing effect in complex materials

Single-shaft shredder meets the recycling requirements of various materials.

## Overview

Four-shaft shredders are designed to process challenging materials into uniform sizes in a single pass. Compared to dual-shaft shredders, they feature two additional auxiliary shafts for extra shearing force, and the classifier screen that allows to define the output size.

Maintaining four-shaft shredders poses a significant challenge, particularly when it involves replacing or repairing the bottom blades. This intricate process demands highly skilled technicians with specialized tools and can extend over many hours.

GEP ECOTECH four-shaft shredders are suitable for most size reduction and heavy-duty applications. We recommend using them for handling complex materials and when there are strict output size requirements for single-stage shredding.

GEP ECOTECH four-shaft shredders are renowned for their robust construction and powerful drive shafts. We utilize top-tier materials to enhance blade longevity and equip them with robust electrical or hydraulic drives, along with an intelligent control system. This combination sets GEP ECOTECH four-shaft shredders apart from their counterparts in the same category.



# Technical Highlights

## Greater integration

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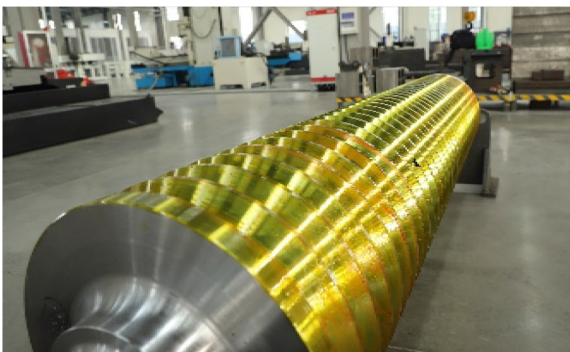
The power system, shredding system, hydraulic feeding system, fast discharge system, intelligent protection system and maintenance system are integrated into one, making operation more convenient and the automatic handling capacity and synergy function more powerful.



## Basic function upgrades

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Adding a wear-resistant layer to the cutter shaft and adjusting the ratio of toughness and strength of the cutter allows the basic functions of the equipment to play a higher shredding capacity and efficiency under the new structure, with an overall improvement in performance, a wider range of applications and a longer service life of the equipment.



## Original strengths enhanced

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The original inclined hydraulic pusher, the "V" shaped cutter layout and the fixed pattern are fully retained, together with the new machine structure, the advantageous functions are more strongly displayed and the capacity and the shredding effect of the machine are higher.



## Automated and intelligent enhancements

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The new equipment is strongly integrated, with three upgrades to make the functions more compatible with the GI Intelligent Monitoring System, and the automation of the equipment is further enhanced with smarter automatic maintenance, data monitoring and exception handling.



# Application

- **Plastics**  
Mouldings, Purgings / Lump, Profiles, Films etc.

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- **Timber / Wood**  
Pallets, Joiners Waste, Green Waste etc.

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- **Metal Products**  
Aluminum Profiles, Oil Filters, Car Casings, Garbage Cans etc.

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- **Aluminum**  
Used Beverage Cans (UBC's), Swarf, Cables etc.

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- **Electronic Appliances**  
Refrigerators, Circuit Boards, TV Casings, etc.

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- **Garbage**  
Domestic Waste, Kitchen Waste, Industrial Waste, Waste Tire etc.



Hard Plastic



PVC Plastic



Chemical Cotton



Automotive Interior



Municipal Solid Waste



Plastic Film



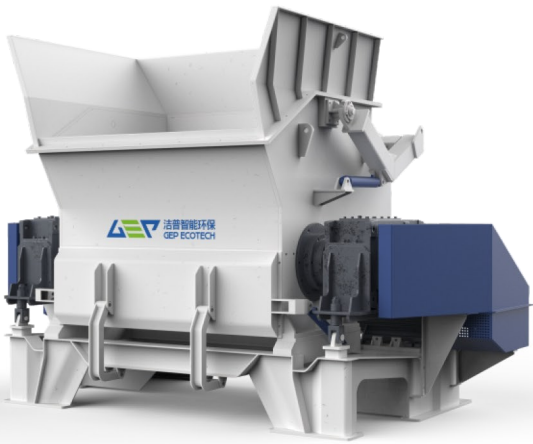
Plastic Mat



Waste Plastic



# Configuration



3rd Generation  
Fine Shredder

**GSE Series**



Single Rotor Fine  
Shredder

**GSS Series**

Model	Capacity (m <sup>3</sup> /h)	Output size (mm)	Dimension (mm)
<b>GSE Series</b>			
GSE312	1-5	30-120	3000×2000×3000
GSE315	3-10		3600×2000×3000
GSE320	6-18		3800×2000×3000
GSE330	10-25		5600×2200×3300
<b>GSS Series</b>			
GSS12	0.5-3	30-120	3000×2000×3000
GSS15	1-8		3600×2000×3000
GSS20	3-15		3800×2000×3000
GSS30	8-20		5600×2200×3300

Note: Technical specifications may change without notice due to ongoing technological advancements.

# Single-Shaft Shredder in Action





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