



Shredder Technical Parameters

Model	Guangjun800mm Single Shaft Shredder
Overall Dimension	2700*1600*1850 (L*W*H) Unit: mm
Crushing Size	1400*1000 (L*W) Unit: mm
Hydraulic System	Hydraulic Pump Power: 4 kW Hydraulic Cylinder Model: 80*1000 (L*W) Unit: mm
Drive System	Motor and Gearbox
Gearbox Model	H205HH
Motor Power	37kW-4
Frame Structure	120*80*5 (W*H*T) Unit: mm
Blade Material	D2
Rotary Blade Size	50*50*25 (L*W*T) Unit: mm
Number of Rotary Blades	44pcs
Fixed Blade Size	400*120*40 (L*W*T) Unit: mm
Number of Rotary Blades	2pcs
Rotational Speed	70r/min
Rotor Shaft	Ø 360mm; L800mm
Rotor Shaft Material	45#
Screen	8mm steel plate; hole:Ø 50mm
Discharge Particle Size	40-50mm
Capacity	1.5-4.5t/h
Applicable Materials	Plastic film, bags, woven bags, plastic fibers, plastic lumps, rubber heads, iron shavings, waste paper, plastic pipes...



Single Shaft Shredder – Key Features

Guangjun Single Shaft Shredder is engineered for superior performance and cost efficiency.

1. High-Efficiency Shredding

Suitable for tough, flexible materials including plastic films, woven bags, paper, and wood. Adopting medium low-speed, medium high-torque design (slightly higher speed & moderate torque than double-shaft models), it runs smoothly with no shaft wrapping or jamming.

2. Energy & Cost Saving

Up to 30% more energy efficient than double-shaft alternatives. Boasting a robust yet compact structure, it significantly reduces maintenance costs with easy blade replacement.

3. Customizable Output

Equipped with interchangeable screen baskets, the final particle size is precisely controllable (7-100mm) to meet specific recycling standards.

4. Safe & Stable

Featuring an intelligent PLC control system and hydraulic pusher with automatic reverse and overload protection, it ensures operator safety and low noise operation (<85dB).

5. Low Maintenance

The robust build allows for quick replacement of wear parts. Optional hydraulic doors facilitate easy cleaning and inspection, minimizing downtime.

6. Versatile Application

Widely used for soft materials, rubber, metal scraps, waste appliances, and municipal solid waste, making it the ideal solution for diverse recycling needs.

Ideal for: Medium-sized recycling factories, plastic manufacturers, wood processing plants, paper mills, and general waste treatment facilities seeking reliable, high-volume recycling solutions.