

GL-1000 Double-Shaft Shredder

1. Introduction

The double-shaft shredder is a versatile machine designed for size reduction and pre-shredding applications.

It is commonly used to process raw materials, production scrap, and waste materials into smaller pieces for recycling or further processing.

Typical applications include shredding plastic scrap, rubber waste, plastic lumps, plastic bottles, tires, waste bins, and other recyclable materials.

The machine is widely used in the recycling industry and is suitable for processing:

- PE plastic pipes
- Bundled plastic films
- Plastic lumps
- Metal sheets
- Industrial waste materials
- Various recyclable materials

2. Applications

The shredder can be used for:

Recycling of Waste Materials

Shredding defective products and recyclable waste into smaller pieces for reuse.

Volume Reduction

Reducing the size of raw materials for easier handling and transportation.

Biomass Processing

Shredding organic materials for biofuel production.

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Textile Recycling

Shredding textile materials such as carpets for fiber recovery.

General Waste Processing

Suitable for shredding:

- Plastics
- Rubber
- Tires
- Fibers
- Paper
- Wood
- Metal drums
- Waste electrical appliances
- Waste cables
- Industrial scrap
- Municipal solid waste

Both solid and hollow materials can be processed.

3. Features

Compared with conventional crushers, double-shaft shredders offer:

- Low shaft speed
- Low noise level
- Low energy consumption
- High torque output
- Stable operation

4. Technical Configuration

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Main Components

Component	Specification	Material / Brand	Qty
Rotary Blade	300 × 145 × 30 mm	M6V	34 pcs
Spacer	200 × Ø145 × 30 mm	Heat-treated 45# Steel	34 pcs
Fixed Blade	280 × 120 × 25 mm	45# Steel	34 pcs
Main Shaft	1240 × Ø190 mm	42CrMo, Heat Treated	2 pcs
Bearing	Self-aligning Roller Bearing	HLB	4 pcs
Bearing Side Plate	770 × 340 × 125 mm	Q235-A	2 pcs
Fixed Knife Plate	915 × 340 × 85 mm	Q235-A	2 pcs
Motor	30 kW-6	Aoyuan	2 pcs
Gearbox	ZSY280	Guolian	2 pcs
Coupling	Forged 70# Steel	—	4 pcs

Machine Frame

Constructed from 120 mm square steel tubes.

Modular structure design allows easy assembly, maintenance, transportation, and installation.

Feeding Hopper

Feed opening diameter up to 1.2 meters.

Custom sizes available according to customer requirements.

Machine Dimensions

3400 × 1700 × 1800 mm

(L × W × H)

Custom dimensions available upon request.

Electrical Control System

Brand: Xinsanjiao

Quantity: 1 Set

Effective Shredding Chamber

1000 × 600 mm

(L × W)

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5. Operation & Maintenance Instructions

Before Startup

Before operating the machine:

- Check whether all components are properly installed.
- Verify that all bolts and screws are tightened.
- Fill the gearbox with lubricating oil.
- Rotate the shaft manually to ensure there is no interference or abnormal contact.
- Check motor rotation direction.

Safety Warning

Do not shred flammable or explosive materials.

Feeding Requirements

Maintain a uniform feeding rate during operation to ensure:

- Stable production
- Consistent output quality
- Protection against motor overload

Motor overloading must be avoided.

Wear Part Inspection

Regularly inspect:

- Rotary blades
- Fixed blades
- Fasteners

Replace worn parts promptly to avoid damage to major components.

Necessary fire prevention measures should also be implemented.

Lubrication

Proper lubrication is essential for long-term operation.

Normal bearing temperature should remain below:

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70°C

Lubrication recommendation:

- Add grease once per week
- Molybdenum disulfide grease recommended
- High-speed grease provides better performance

Notes

Actual production capacity depends on:

- Physical properties of the material
- Feeding method
- Feed size
- Material composition
- Operating conditions

Therefore, actual output may vary depending on the application.



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Business License (Official Chinese & English Translation)



Business License (Translated Version)

Shanghai Yuedu Technology Co., Ltd.

◆ Company Information

Company Name:

Shanghai Yuedu Technology Co., Ltd.

Unified Social Credit Code:

91310114MA1GUXHQ8H

Company Type:

Limited Liability Company (Invested or Controlled by Natural Persons)

Registered Address:

Room J950, 1/F, Block 1, No.655

Yinxiang Road, Jiading District,

Shanghai, P.R.China

Legal Representative:

Deng Hao

Registered Capital:

RMB 3,700,000

◆ Registration Details

Date of Establishment:

September 5, 2018

◆ Registration Authority

Shanghai Jiading District Administration for Market Regulation

Date of Issue:

July 29, 2025



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About YUEDE Shredders

Shanghai YUEDU Technology Co., Ltd. is a **Shanghai-certified high-tech enterprise** specializing in the development and manufacturing of **shredding and destruction equipment**. We serve a wide range of sectors including **government agencies, financial institutions, military departments, enterprises, and recycling industries**.

Our offerings include **office and industrial-grade paper shredders, hard drive destroyers, plastic crushing systems, and fully customized destruction center solutions**. From design to delivery, we help clients achieve efficient, secure, and compliant material destruction.

Our Mission

We are dedicated to the shredding and destruction industry, continuously solving diverse material shredding and disposal challenges for our clients around the world.

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