

# Single Shaft Shredder for Plastics and Rubber

This single shaft shredder efficiently reduces the size of various materials, including plastics, rubber, and wood. It features a hydraulically operated pusher and replaceable cutting tools for optimal performance.



## ADDITIONAL IMAGES



## Overview

### Heavy-Duty Single Shaft Shredding Solution

The BH Series Single Shaft Shredders are high-performance reduction machines engineered to process a diverse range of untreated waste streams into coarse or medium fractions. Designed for demanding recycling environments, these units feature a robust, wear-resistant structure that ensures long-term reliability across various industrial applications. With energy-efficient operation and precise particle size control, they provide an ideal solution for processing plastics, timber, paper, and non-ferrous metals.

## Performance Highlights

### Performance Metrics

#### 4 Edges

Rotor Knife Edges

### Efficiency Features

Energy Efficient • Maximum Cutting Force • High Productivity

## Material Applications

### Typical Applications

Material Category	Specific Examples
Plastics	Mouldings, Purging/Lump, Profiles, Films
Timber & Wood	Pallets, Joiners Waste, Green Waste
Paper & Cardboard	Confidential Documents, Production Waste, Packaging
Metals & Cables	Copper Cable (S.W.A), Aluminum Cans (UBC's), Swarf
Textiles & Foam	Carpet Rolls/Tiles, Garments, Production Foam

## Technical Features

### Mechanical Design

- Shock absorbing gearbox to reduce drive component stress
- Rotatable rotor knives (4 edges) for extended service life
- Adjustable counter knives for maintaining cutter clearance
- Quick-change screens for accurate particle size control
- Segmented shredding chamber floor with brass guides
- Pusher drawer mounted on heavy-duty rollers

## Control & Safety

### Control System

- Stand-alone electrical control panel
- Siemens PLC control system
- Twin speed hydraulics with integrated air cooler
- Safety interlocks for operator protection

### Compliance

CE Certified, Safety Standards Compliant