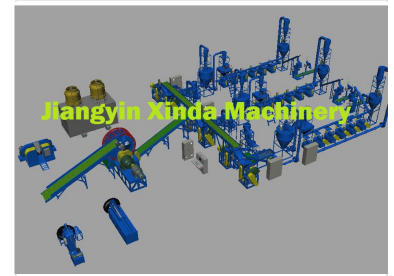


# Tire Recycling System

This tire recycling system processes and recycles used tires. The interconnected machines transform waste tires into valuable resources such as rubber granules or powder.



## ADDITIONAL IMAGES



## Product Overview

### Comprehensive Tire Recycling Solution

This advanced tire recycling system provides a complete end-to-end process for converting waste tires into high-quality rubber powder. Utilizing an ambient grinding process, the line effectively separates steel wire and fiber nylon while maintaining high operational stability and efficiency. The system is designed for minimal environmental impact, ensuring a clean production process without pollution from water, gas, or dust.

## Performance Metrics

### Operational Efficiency

**3000 kg/hour**  
Max Capacity

**380 kWh/hour**  
Max Power Consumption

**1200 mm**  
Max Input Diameter

Rubber Powder Finess

5-100 mesh

## Application Guide

### Powder Mesh Applications

Mesh Size	Primary Use Cases
5-20 mesh	Road pavement, rubber bricks, athletic grounds, base plates
20-40 mesh	Reclaimed rubber, rubber boards, road modification
40-60 mesh	Rubber product filling, plastic modification
60-80 mesh	Automotive tires, construction materials
80-100 mesh	High-grade rubber products, military components

## System Components

### Equipment List

- Tire Debeader
- Tire Cutter
- Tire Shredder & Conveyors
- Double Roller Grinder
- Magnetic Separator
- Fiber Separators (Coarse & Fluff)
- Rubber Powder Miller & Grader
- Packing Machine

## System Features

### Core Advantages

Ambient Processing, Steel/Fiber Separation, Compact Design, Automatic Control, Low Labor Intensity, Pollution-Free