



*"Shred Your Pallet Waste Quickly and Efficiently"*

## Pallet Shredder Machine for wood and plastic pallet crushing applications;

Pallet recycling plays an important role in environmental sustainability and waste management processes. Efficient recycling of wood and plastic pallets ensures better use of resources and reduced waste. Pallet recycling starts with the shredding process and specially designed pallet shredding machines are used for this process. These machines break the pallets into small pieces and make them suitable for recycling processes.

Pallets are building elements that are widely used in logistics and warehousing processes, but produce a large amount of waste at the end of their useful life. Recycling this waste is important to reduce environmental impacts and conserve natural

resources. Pallet recycling also provides economic benefits by reducing waste management costs.

Mobile pallet shredders offer high mobility and flexibility, enabling efficient shredding of various materials on site. In addition to pallets, these machines can also handle bulky materials such as wood and plastics. Thanks to their mobile nature, they can be easily moved to different sites and shred on site. The magnet attached to the mobile pallet shredder machine discharge conveyor captures ferrous materials and cleans the scrap pile of metals. It is designed to process hard materials in large loads.

## Pallet Shredder Machine advantages;

Pallet shredders speed up the recycling process by shredding pallets quickly and efficiently. Energy efficient motors and systems reduce operating costs. Efficient recycling of waste reduces environmental impact. Simple and easy-to-use design enables operators to use the machine effectively. Robust construction and high quality components ensure a long service life.





### ***Versatility***

The capacity to process different types of materials makes these machines suitable for various industries.

### ***Long Maintenance Intervals***

It allows you to work uninterruptedly with long maintenance intervals.

### ***Large Processing Capacity***

It can quickly process materials of different sizes and types.

### ***Adjustable Sieve System***

The screen system can be adjusted according to the desired shred size, which provides flexibility for different applications.

### ***Abrasion Resistant Blades***

It offers long-lasting shredding with blades made of high quality steel.

### ***High Efficiency***

Pallet shredders shred materials quickly and efficiently thanks to a combination of high torque and low speed.

### ***Fast Blade Change***

It works without interruption with easily replaceable cutting blades.

### ***Easy to Use***

The user-friendly control panel and simple design make the machine easy to operate.

## **Technical Specifications**

MODEL	SHREDDING AREA (MM)	ROTOR LENGTH (MM)	ENGINE POWER (KW)
TSV-120	1200 X 400	1200	30



# Pallet Shredder

## Performance and Efficiency;

### **Single Shaft Design**

The TSV-Series has a single main shaft that cuts or grinds materials. The shaft rotates at high torque and low speed, which ensures efficient shredding of the pallets.

### **Energy Efficiency**

Highly energy efficient motors and systems lower operating costs and reduce environmental impact.

### **Modular Blade Design**

Blades are easily interchangeable and customizable.

### **Solid Structure**

Made of heavy-duty steel, withstands harsh working conditions





# Industrial Pallet Shredders designed for continuous operation;

Pallet shredders are high-torque machines that shred large quantities of pallets quickly and efficiently. Stationary shredders cut pallets to the ideal size thanks to their wide openings and robust blades. They can process a variety of materials including wood, metal and plastic with high torque. They are designed to adapt to the width and length of most pallets. Effectively shreds material into ideal sizes.

Pallet shredders play a critical role in pallet recycling and waste management processes. They offer high productivity, durability and energy efficiency, lowering waste disposal costs and reducing environmental impact. Mobile and industrial pallet shredders provide effective solutions in pallet recycling by offering various features and advantages according to different needs. Therefore, the use of pallet shredders in pallet recycling processes provides great environmental and economic benefits.

## **OPTIONAL FEATURES**

- Dual Motor Design
- Mobile Design
- Metal Separator
- Rotor Cooling System
- Automatic Lubrication Unit
- Sieves in Different Sizes
- Conveyor Screw Applications For Exit



# FREQUENTLY ASKED QUESTIONS (FAQ)

## **WHAT IS A PALLET SHREDDER MACHINE FOR?**

A pallet shredder is an industrial device that allows wood and plastic pallets to be broken into small pieces. These machines play an important role in pallet recycling and waste management processes.

## **WHAT ARE THE MAIN ADVANTAGES OF PALLET SHREDDING MACHINES?**

Pallet shredders provide high productivity, energy savings, low operating costs and environmental sustainability. In addition, these machines offer long-lasting use with their robust construction and durable blades.

## **WHAT TYPES OF PALLETS CAN PALLET SHREDDERS PROCESS?**

Pallet shredders can process both wooden and plastic pallets. They can also effectively shred pallets that contain metals such as nails.

## **WHAT ARE THE ADVANTAGES OF MOBILE PALLET SHREDDERS?**

Mobile pallet shredders provide easy portability on site and allow on-site shredding. These machines are designed to handle large loads of hard materials and can be equipped with accessories such as cross-belt magnets that can separate ferrous materials.

## **WHAT IS THE ENERGY EFFICIENCY OF PALLET SHREDDING MACHINES?**

Highly energy efficient motors and systems reduce operating costs and reduce environmental impact. These machines save energy by operating with high torque at low speed.

## **HOW TO CHANGE THE BLADE ON PALLET SHREDDING MACHINES?**

The blades of pallet shredders have a modular design and can be easily replaced. This speeds up maintenance and repair processes and ensures uninterrupted operation of the machines.

## **HOW EFFICIENT ARE PALLET SHREDDING MACHINES?**

Industrial pallet shredders can quickly process large quantities of pallets, operating at a capacity of more than 1 ton per hour. These machines speed up businesses' waste management processes and increase efficiency.

## **WHAT SAFETY FEATURES DO PALLET SHREDDING MACHINES HAVE?**

Pallet shredders are equipped with various safety features to ensure operator safety. These features include emergency stop buttons, protective coatings and automatic reversing functions.

## **IN WHICH SECTORS ARE PALLET SHREDDING MACHINES USED?**

Pallet shredders are used in various industries such as recycling, waste management, construction and demolition, logistics and warehousing. These machines increase operational efficiency by ensuring effective disposal of pallets.

## **WHAT ARE THE MAINTENANCE REQUIREMENTS FOR PALLET SHREDDERS?**

Pallet shredders require regular maintenance. This includes checking and replacing blades, regular inspection and cleaning of motors and systems. Long maintenance intervals ensure uninterrupted operation of the machines.