



*"Break Down Nature's Waste Efficiently"*

## TSY-Series Wood Shredding Machines, A New Era in Recycling and Waste Management;

In today's increasingly environmentally conscious world, recycling and waste management issues are more important than ever. Tree stump and branch shredding plays a critical role in recycling processes. MT Makina offers innovative and effective solutions in this field with TSY-Series Wood Chippers. These machines provide high performance and efficiency, facilitating tree shredding processes and providing environmental benefits. TSY-Series Wood Chippers can process long materials at the desired speed thanks to their feeders connected to the hydraulic piston. Operating in horizontal form, these machines stand out with their high capacity and low operating costs. Their powerful engines and durable components offer high performance even under continuous working conditions.



# TSY-Series Wood Chipper advantages;

TSY-Series Wood Chippers are powerful and durable industrial machines designed for continuous operation. These machines are especially ideal for shredding fibrous tree branches such as dates and palms. They easily process such materials that other machines cannot cope with, increasing productivity and providing environmental benefits. TSY-Series wood chippers offer high performance and efficiency. Thanks to their robust construction, they ensure long-lasting use and remain reliable even in continuous operation. When processing long materials, these machines use feeders connected to a hydraulic piston, allowing the material to be processed at the desired speed. The horizontal machines are characterized by high performance and minimum operating costs. TSY-Series wood chippers can process not only tree roots and branches, but also a variety of plant waste and recycling materials. This gives them a wide range of applications in waste management and recycling processes. Wood shredding processes allow organic waste to be included in the recycling process. This contributes to preserving natural resources and increasing environmental sustainability.



## ***Double Deck Design***

Unique design of two different shredders compactly combined in one chassis.

### ***Feed Drum***

The feed drum is an important aid for shredding waste effectively and quickly. It directs the material to the rotor in a regular and continuous manner, which ensures that the shredding process is uninterrupted. This feature increases the overall efficiency of the machine and reduces processing time.

### ***Effective on Fibrous Trees***

The wood chipper effectively shreds fibrous materials such as palm and date palms. Fibrous materials are often difficult to process, but these machines can easily grind such materials thanks to high torque and special blade designs.

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

The machine's long maintenance intervals ensure uninterrupted operation. Thanks to its robust construction and quality components, the machine delivers reliable performance even in harsh working conditions. This requires operators to stop and maintain the machine less frequently, which increases operational efficiency.

### ***Low Noise Level***

Wood chippers operate at a low noise level thanks to their robust and balanced construction. This feature minimizes vibrations and provides a quieter and more comfortable working environment. The low noise level provides a more comfortable working experience for operators and reduces environmental noise pollution.

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

Made of high-quality steel, the blades are highly wear-resistant and ensure long-term use. These blades enable efficient cutting and shredding of tree roots and woody debris. Furthermore, the blades are easy to replace, making the machine easy to maintain and operate.

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

Easy-change cutting blades ensure uninterrupted machine operation. This feature allows operators to change blades quickly, minimizing machine downtime and increasing operational efficiency.

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

Wood chippers are easy to operate thanks to the user-friendly control panel and simple design. Operators can learn and use the machine quickly, which increases labor productivity.





# Wood Chipper

## Performance and Efficiency;

### **Double Deck Design**

Unique design of two different shredders compactly combined in one chassis.

### **Long Lasting Blades**

High-quality steel blades are resistant to abrasion and ensure long-term use.

### **Operator Safety**

The moving parts are surrounded by protective structures, preventing accidental contact by operators.

### **Easy to Use**

Wood chippers are easy to operate thanks to the user-friendly control panel and simple design. Operators can learn and use the machine quickly, which increases labor productivity.

## Technical Specifications

MODEL	ROTOR LENGTH (MM)	ENGINE POWER (KW)
TSY-100	1000	55-90 (2X)
TSY-150	1500	75-110 (2X)
TSY-200	2000	90-200 (2X)



# The Role of TSY-Series Wood Shredding Machines in Recycling and Waste Management;

Tree and tree branch shredding is an important step in recycling and waste management processes. TSY-Series Wood Shredders offer an effective and efficient solution in these processes. It easily processes fibrous tree branches and roots, making them suitable for recycling. In this way, organic waste is transformed into reusable materials. TSY-Series machines are an ideal solution for recycling facilities, municipalities, agricultural enterprises and landscaping companies. These machines offer high performance and reliability in the management of organic waste. They also provide economic benefits by reducing costs in the storage and transportation of waste.

TSY-Series Wood Chippers offer innovative and effective solutions for recycling and waste management processes. With their high performance, durability and flexibility, these machines make significant contributions to environmental sustainability by processing tree roots and branches. TSY-Series machines offer economic and ecological benefits to businesses in the field of recycling and waste management, supporting the goal of leaving a cleaner and greener world for the future.

## **OPTIONAL FEATURES**

- Dual Motor Design
- Belt Pulley Hydraulic Coupling
- Flywheel Design

- Rotor Cooling System
- Automatic Lubrication Unit
- Ellipse Shaped Hydraulic Press Unit
- Sieves in Different Sizes
- Hydraulic Opening Screen System
- Applications of Screws, Conveyors and Conveying Fans for Output



## FREQUENTLY ASKED QUESTIONS (FAQ)

### **WHAT MATERIALS CAN A WOOD CHIPPER PROCESS?**

Wood shredding machines can process various plant wastes, usually tree roots, branches, fibrous materials such as palm and date palm trees, woody wastes, hazelnut branches, banana tree branches.

### **HOW DOES A WOOD CHIPPER WORK?**

The wood chipper shreds the materials thanks to cutting blades rotated by a high-torque, low-speed rotor. A feed drum or conveyor system directs the materials to the rotor and the shredding process takes place.

### **HOW TO MAINTAIN A WOOD CHIPPER?**

It is important to lubricate the machine regularly, check the wear status of the blades and replace the blades when necessary. Machines that can operate with long maintenance intervals offer uninterrupted operation.

#### **WHICH ENGINE POWER MODELS ARE AVAILABLE?**

Wood chippers offer various engine power options. For example, the TSY-Series models include machines with engine power in the range of 55-200 kW.

#### **HOW MUCH NOISE DOES A WOOD CHIPPER MAKE?**

Wood chippers operate at a low noise level thanks to their robust and stable construction. This minimizes vibrations and ensures a quieter working environment.

#### **HOW IS THE DURABILITY AND CHANGE OF THE BLADES?**

The blades are made of wear-resistant steel, ensuring a long service life. The blades can be easily replaced, so the machine can run without interruption.

#### **ARE WOOD CHIPPERS MOBILE?**

Yes, there are wood chippers with a mobile design. These machines can be easily used and transported to different locations.

#### **HOW MUCH ENERGY DOES A WOOD CHIPPER CONSUME?**

By using energy efficient motors and systems, operating costs are reduced and environmental impact is minimized.

#### **WHAT SAFETY FEATURES DOES THE WOOD CHIPPER HAVE?**

The machine features protective structures around moving parts to ensure operator safety. In addition, overload sensors and automatic reversing features ensure a safe working environment.

#### **IN WHICH INDUSTRIES ARE WOOD CHIPPER MACHINES USED?**

Wood chippers are used in various industries such as forest management, agriculture, landscaping, recycling and waste management. These machines ensure efficient and safe disposal of tree roots and woody waste.