



"Increase Efficiency with Single Shaft Solutions"

For bulky waste shredding applications, TSH-Series Single Shaft Solid Waste Shredder;

Our TSH-Series Single Shaft Solid Waste Shredding Machines play an important role in recycling and waste management processes with their high performance, energy efficiency, durability and flexibility. Thanks to its capacity to process a wide range of materials and low maintenance requirements, these machines reduce operating costs and minimize environmental impacts. As MT, we aim to provide high-performance and environmentally friendly solutions suitable for your needs with our TSH-Series machines. Our machines will continue to play a critical role for more sustainable and efficient waste management in the future. The single shaft shredding machine is built

with high-quality components and advanced technology. Powerful motors, durable blades, and user-friendly control systems enhance the performance and efficiency of these machines. In addition, the modular design of the machines can be customized according to customer requirements, adapting to different applications.

The single-shaft shredder offers innovative and effective solutions in recycling and waste management processes. With high performance, durability and user-friendly features, these machines support environmental sustainability in the treatment of various types of waste. MT Makina provides environmental and economic benefits by increasing efficiency in waste management with its single shaft shredding machine. With the aim of leaving a cleaner and greener world for the future, the single shaft shredder opens the doors of a new era in waste management.

TSH-Series Single Shaft Solid Waste Shredding Machine advantages;

The combination of high torque and low speed allows a variety of materials to be shredded quickly and effectively. The long rotor, large screen surface and optimized cutter geometry ensure high productivity. Powerful drive motors, durable cutting tools and dust-protected bearings ensure long-lasting use of the machine. The special mounting and shock damping system ensures that the machine requires minimal maintenance. The special blade design and automatic shut-off feature keep energy consumption to a minimum. Energy-efficient motors and systems reduce operating costs and reduce environmental impact. It is compatible with discharge augers, conveyor belts, metal separators and pipe magnets. It can be customized according to different requirements and provides turnkey solutions.



Versatility

The capacity to handle different types of materials makes these machines suitable for a variety of industries.

Long Maintenance Intervals

It allows you to work uninterruptedly with long maintenance intervals.

Flexibility

The capacity to handle a wide range of materials makes these machines suitable for a variety of industries.

Wear-resistant blades

With its blades made of high quality steel, it offers the opportunity to shred for a long time.

High Efficiency

Single-shaft shredders shred materials quickly and effectively thanks to the combination of high torque and low speed.

Quick Blade Change

It works without interruption with its easily replaceable cutter blades.

Easy to Use

The user-friendly control panel and simple design allow the machine to be operated easily.

Technical Specifications

| MODEL | SHREDDING AREA (MM) | ROTOR LENGTH (MM) | MOTOR POWER (KW) |
|--------------|----------------------------|--------------------------|-------------------------|
| TSH-80 | 800 X 1100 | 800 | 22-45 |
| TSH-100 | 1000 X 1300 | 1000 | 30-75 |
| TSH-130 | 1300 x 1600 | 1300 | 45-110 |
| TSH-150 | 1500 X 1800 | 1500 | 55-132 (2X) |
| TSH-200 | 2000 x 2300 | 2000 | 75-160 (2X) |



TSH-Series Single Shaft Shredder

Performance and Efficiency

Single-shaft design

The TSH-Series has a single main shaft that cuts or grinds materials. The shaft rotates at high torque and low speed, which allows materials to be broken down effectively.

Energy Efficiency

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

Easy Maintenance

Thanks to its simple and accessible design, machine maintenance is easy. Blades and other components can be replaced quickly and easily.

Adjustable Sieve System

The sieve system can be adjusted to the desired shredding size, which provides flexibility for different materials and applications.



TSH-Series Single Shaft Solid Waste Shredding Machines designed for continuous operation;

Our TSH-Series Single Shaft Solid Waste shredding machines are used to reduce the size of various industrial materials and optimize recycling processes. The single main shaft is made of high-quality steel, offering long-lasting use. The blades made of high-quality steel offer the possibility of long-term shredding. The cutter blades can be replaced quickly and easily, ensuring uninterrupted operation. Special blade design and energy-efficient motors reduce operating costs and minimize environmental impact. If the material is not fed for a certain period of time, the motor automatically shuts down, saving energy. It is equipped with an automatic return function to prevent the motor from being overloaded. In the event of foreign objects entering the shredder, the motor automatically shuts down, which ensures machine and operator safety.

OPTIONAL FEATURES

- Dual Motor Design
- Belt Pulley Hydraulic Coupling
- Flywheel Design
- Rotor Cooling System
- Automatic Lubrication Unit
- Ellipse-shaped hydraulic printing unit
- Sieves in Different Sizes
- Hydraulic Opening Screen System
- Applications of Augers, Conveyors and Conveying Fans for Outlet



FREQUENTLY ASKED QUESTIONS (FAQS)

WHAT DOES A SINGLE SHAFT SHREDDER DO?

A single shaft shredding machine is an industrial machine that operates on a combination of high torque and low speed, designed to effectively shred a variety of materials. It is used in recycling, waste management, and industrial applications.

WHAT MATERIALS CAN BE PROCESSED ON SINGLE SHAFT SHREDDING MACHINES?

Various materials can be processed, such as textile waste, plastics, fiber films, wood, chipboard, MDF boards, household waste and municipal waste.

HOW DO SINGLE SHAFT SHREDDERS WORK?

Our machines shred materials with blades that rotate around a main shaft that operates at high torque and low speed. The materials are cut into small pieces by cutting them with knives on the shaft.

WHAT ARE THE ENERGY-SAVING FEATURES OF SINGLE SHAFT SHREDDING MACHINES?

It provides low energy consumption with energy-efficient motors and special blade design. In addition, if the material is not fed for a certain period of time, the motor automatically shuts down.

WHAT SIZES AND CAPACITIES ARE SINGLE SHAFT SHREDDERS AVAILABLE IN?

Available in a variety of sizes and capacities. There are different models according to the needs of your business.

WHAT ARE THE MAINTENANCE REQUIREMENTS OF SINGLE SHAFT SHREDDING MACHINES?

Our single-shaft shredders require minimal maintenance. Thanks to its special assembly and durable structure, it offers long maintenance intervals. Maintenance is quick and easy thanks to the automatic lubrication unit and easy-to-change blades.

HOW DO SINGLE-SHAFT SHREDDERS DEAL WITH FOREIGN OBJECTS?

Intelligent drive control automatically shuts down the engine if foreign objects enter the machine. It also provides an automatic return function to avoid overloading.

ARE SINGLE SHAFT SHREDDERS ENVIRONMENTALLY FRIENDLY?

Yes, it minimizes environmental impacts with energy-efficient motors and low energy consumption. In addition, it does not produce environmental waste because it works without the use of chemicals.

WHAT IS THE EASE OF CONTROL AND USE OF SINGLE SHAFT SHREDDING MACHINES?

With its user-friendly control panel and simple design, the machine is very easy to operate. It enables operators to work efficiently and safely.