



*"High Performance in In-Line Shredding with
MT Makina!"*

On-Line Shredding Machine, Effective Solution for Industrial Waste Management;

In industrial and municipal waste management processes, preventing blockages, increasing efficiency and uninterrupted operation of systems are of utmost importance. In-line shredding machines offer effective solutions developed to meet these needs. These machines ensure the smooth operation of waste management systems by breaking various materials into small pieces. They are widely used especially in water and wastewater management, recycling and industrial plants.

An in-line shredder is a device that grinds solids on pipelines or conveyor systems into small pieces. These machines facilitate the handling and processing of solids, thus avoiding clogging of pumps and other equipment and reducing maintenance costs. In-

line shredders are used in a variety of industries, increasing productivity and minimizing operational downtime.

MS-Series Maserator In-Line Shredder, The Reliable Solution for Wastewater Line Management;

Wastewater management is critical for increasing efficiency and preventing blockages in industrial and domestic systems. MS-Series macerator in-line shredders are developed to meet these needs, offering superior performance and reliability. These machines effectively grind solids in wastewater systems, ensuring smooth operation of pumps and pipelines. A macerator shredder is a device that breaks the solids in wastewater systems into small pieces, allowing easier transportation and processing of wastewater. These shredders prevent damage to the blades and offer long-lasting use with the feature that heavy objects such as stones can be easily removed from the discharge cover.

Waste water is fed into the shredder through pipelines. The solids are crushed into small pieces by powerful knives or rotors inside the machine. The crushable pieces are directed to the cutting screen and ground by the cutting rotary blade until they exit the screen. The shredded materials are separated into desired sizes and continue to other parts of the system. Heavy objects such as stones are easily removed from the discharge cover, preventing damage to the blades.



Low Noise

The robust and balanced structure minimizes vibrations for a quieter and more comfortable working environment.

Long Maintenance Intervals

It allows you to work uninterruptedly with long maintenance intervals.

Flexibility

The capacity to process a wide range of materials makes these machines suitable for various industries.

Overload Sensors

The automation system detects overload situations and automatically rotates the machine in the opposite direction.

High Efficiency

The Inline Shredder shreds 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.

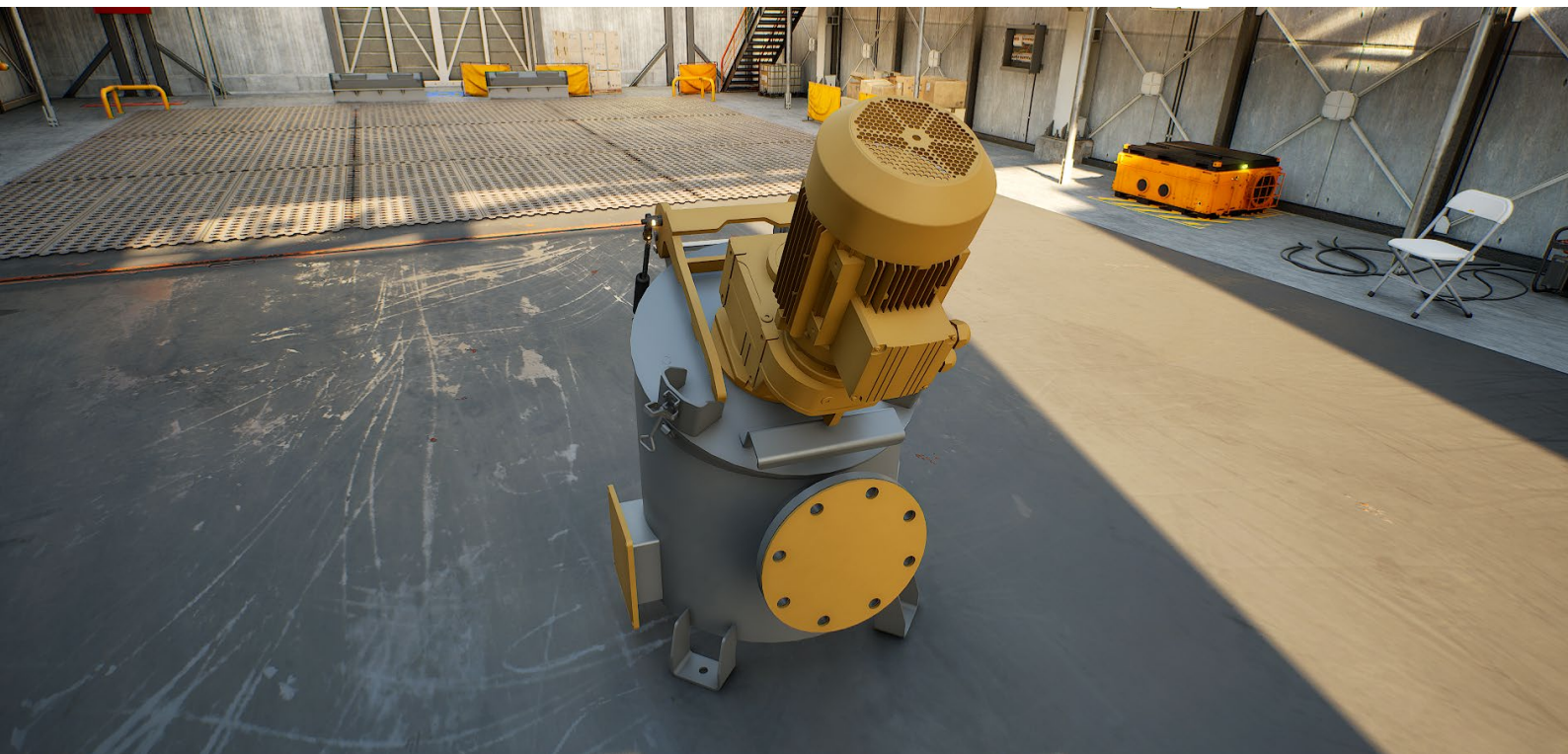
Easy to Use

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

Technical Specifications

MODEL	SHREDDING AREA (MM)	PIPE SIZE (DN)	ENGINE POWER (KW)
SPH-100 IN-LINE SHREDDER	150 X 150	DN100	2,2-4
SPH-150 IN-LINE SHREDDER	200 X 200	DN150	2,2-4
SPH-200 IN-LINE SHREDDER	250 X 250	DN200	2,2-5,5
SPH-250 IN-LINE SHREDDER	300 X 300	DN250	3-7,5
SPH-300 IN-LINE SHREDDER	350 X 350	DN300	3-11
SPA-100 IN-LINE SHREDDER	150 X 150	DN100	2,2-4
SPA-150 IN-LINE SHREDDER	200 X 200	DN150	2,2-4

SPA-200 IN-LINE SHREDDER	250 X 250	DN200	2,2-5,5
SPA-250 IN-LINE SHREDDER	300 X 300	DN250	3-7,5
SPA-300 IN-LINE SHREDDER	350 X 350	DN300	3-11
SPK-1000 CHANNEL IN-LINE SHREDDER	1000 MM	-	3-15
MS-150 MACERATOR SHREDDER	-	DN150	4-11



In-line Shredding Machine & Maserator

Performance and Efficiency

Prevents Clogging

It prevents clogging in waste water pipes and ensures smooth operation of the sewage system.

Environmentally Friendly

It prevents organic waste from going to landfills and accelerates their biodegradation. This reduces environmental pollution.

Long Lasting Blades

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

High Efficiency

In-line macerator shredders shred materials quickly and efficiently thanks to a combination of high torque and low speed.



Usage Areas of In-Line Shredding Machines and Maserators;

Grinding and transportation of solids in domestic and industrial wastewater in wastewater treatment plants. In industrial plants, protection of sludge, recirculation, dewatering and dewatering equipment. In recycling plants, shredding of different materials such as plastic, wood, rags, sanitary napkins, etc. In water and wastewater management, protecting dewatering equipment and ensuring the flow of wastewater.

In-line shredders and macerators are the ideal solution for efficient shredding of solids in industrial and municipal waste management. With advantages such as high efficiency, durability, low maintenance cost and ease of use, these machines increase the efficiency of waste management systems and ensure the protection of equipment. As MT Makina, we are pleased to offer in-line shredder solutions to suit your needs.

OPTIONAL FEATURES

- Stainless Steel Production
- Automatic Lubrication Unit
- Sieves in Different Sizes
- Open Channel Applications



FREQUENTLY ASKED QUESTIONS (FAQ)

WHAT IS AN IN-LINE SHREDDING MACHINE FOR?

An in-line shredder is a device that grinds solids on pipelines or conveyor systems into small pieces. These machines facilitate the handling and processing of solids, ensuring the smooth operation of waste management systems.

IN WHICH SECTORS ARE IN-LINE SHREDDING MACHINES USED?

In-line shredding machines are used in various sectors such as wastewater treatment plants, industrial plants, recycling plants and water and wastewater management. These machines are ideal for the management of municipal and industrial waste.

HOW DO IN-LINE SHREDDING MACHINES WORK?

On-line shredders grind solids fed through pipelines into small pieces by powerful knives or rotors. The shredded materials are then separated into desired sizes and continue to other parts of the system.

WHICH MATERIALS CAN IN-LINE SHREDDING MACHINES PROCESS?

On-line shredding machines can process a variety of materials such as plastic, wood, rags, sanitary napkins, stones, cloth. These machines are effective in managing solids in wastewater and recycling systems.

WHAT ARE THE TECHNICAL FEATURES OF IN-LINE SHREDDING MACHINES?

The twin-shaft design ensures efficient grinding of solids. Powerful motor offers high performance and efficiency. Cutter disk and intermediate disk structure provide high strength and efficient grinding. Stainless steel materials provide wear-resistant and long-lasting performance. Mechanical seals ensure tightness and reliable use. Speed control and the ability to adjust the speed during the shredding and grinding process increases productivity.

HOW MUCH ENERGY DO IN-LINE SHREDDING MACHINES CONSUME?

The energy consumption of in-line shredding machines varies depending on the power of the motor used and the operating time of the machine. Generally, operating costs are optimized by using motors with high energy efficiency.

WHAT IS THE LIFETIME OF IN-LINE SHREDDING MACHINES?

The lifetime of in-line shredders depends on the conditions of use and regular maintenance. Machines made of durable materials and regularly maintained can operate smoothly for many years.

HOW OFTEN DO IN-LINE SHREDDING MACHINES REQUIRE MAINTENANCE?

The frequency of maintenance of in-line shredders varies depending on the intensity of use and operating conditions. Generally, regular cleaning, wear checks and maintenance of mechanical parts should be carried out. This maintenance ensures efficient and trouble-free operation of the machine.