"Superior Performance in Metal Separation with MT Makina"

Metal Separator, Efficient Separation Solutions for Recycling and Industrial Applications;

Metal separators are important devices used for the separation and recovery of metal materials in recycling and industrial processes. By separating metal and non-metal materials, these devices increase recycling rates, optimize production processes and reduce environmental impact. Metal separators have a wide range of uses in various industrial applications. A metal separator is a device used to separate metal particles in various materials. These devices attract and separate metal materials using different technologies such as electromagnets, magnetic drums. Metal separators are widely

used in many industries such as recycling plants, mining, food processing, plastics production and waste management.

Advantages of Metal Separator;

Provides fast and effective separation of metal materials. Increases recycling rates and optimizes production processes. Long service life thanks to robust construction and durable components. Low maintenance costs and long service life. Ensures accurate and safe separation of metal parts. Increases occupational safety and ensures reliability in production lines. Recovering metal materials helps conserve natural resources. Reduces environmental impact and supports sustainability. It can separate different types and sizes of metal parts. It adapts to various industrial applications.

Production in Different Sizes
According to your needs, we have productions in long quantities, different capacities and sizes.

Speed Control
The metal separator belt speed can be adjusted to optimize conveying efficiency.

Closed or Open Design
Depending on the intended use and material type, we have closed or open magnetic metal separator designs.

Automatic Lubrication
Maintenance-free thanks to optional automatic lubrication.

Continuous Operation
The metal separator belt conveying system offers uninterrupted and smooth operation during the transportation of metal parts. This ensures high efficiency in production processes.

Effective Metal Separation
The strong magnetic field of the central magnet ensures fast and efficient separation of ferrous materials.

Strong Magnets
The magnetic handling system, created using powerful magnets, transports metal parts safely and efficiently. Thanks to their highly effective magnetic force, these magnets can smoothly transport even the most challenging metal parts.

Technical Specifications

MODEL	WIDTH (MM)	ENGINE POWER (HP)
MK-50	**500**	**1,1-2,2**
MK-80	**800**	**1,1-2,2**
MK-100	**1000**	**1,1-2,2**
EMK-50	**500**	**1,1-2,2**
EMK-80	**800**	**1,1-2,2**
EMK-100	**1000**	**1,1-2,2**

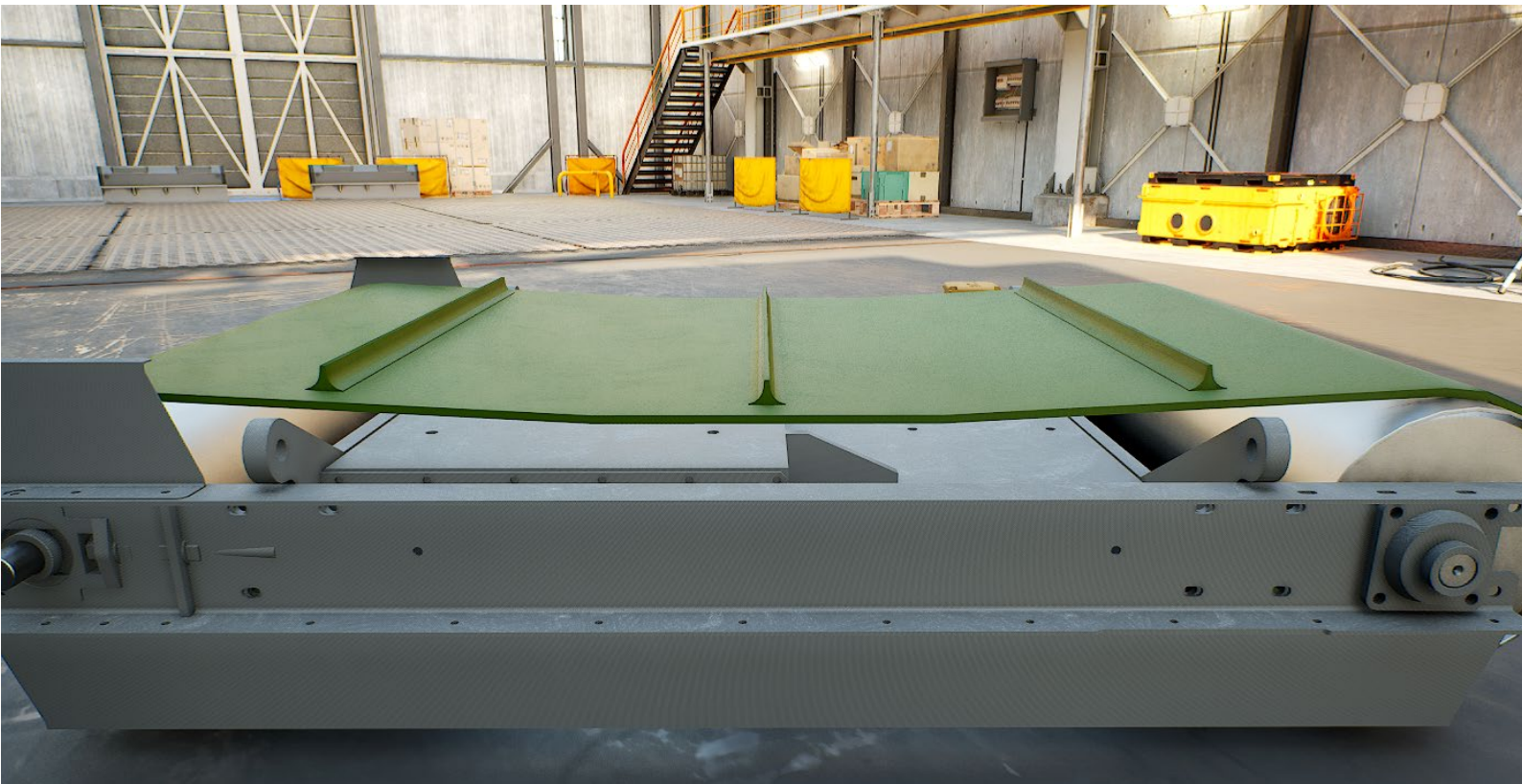
Metal Separator Performance and Efficiency;

Speed Control
The conveyor speed can be adjusted according to process requirements. This optimizes transport efficiency and shortens processing times.

Continuous Operation
The metal separator belt conveying system offers uninterrupted and smooth operation during the transportation of metal parts. This ensures high efficiency in production processes.

Effective Metal Separation
The strong magnetic field of the central magnet ensures fast and effective separation of ferrous materials.

Strong Magnets
The magnetic transportation system, created using powerful magnets, transports metal parts safely and efficiently. Thanks to their highly effective magnetic force, these magnets can smoothly transport even the most challenging metal parts.



Magnetic and Electromagnetic Metal Separators;

Strong neodymium magnets or ceramic magnets can be used. The separation capacity of separators varies depending on the size and density of the material to be transported. The energy consumption of separators varies depending on the technology used and the size of the device. Separators must be made of durable and wear-resistant materials. The ability to adjust the speed during the separation process increases efficiency.

Metal separators separate metal parts using magnetic and electromagnetic fields.

Magnetic Drum Separator: The magnetic drum attracts metal parts as it rotates and the metal parts separated from the drum are directed to a separate hopper. Used in recycling plants, mining and waste management.

Electromagnet Separator: Electromagnets attract metal parts and direct them into a separate hopper. Used in mining, metal production and recycling plants.

OPTIONAL FEATURES

- Automatic Lubrication Unit
- Electromagnetic Metal Separator
- Production in Different Capacities
- Manual or Automatic Cleaning

FREQUENTLY ASKED QUESTIONS (FAQ)

WHAT IS A METAL SEPARATOR?

A metal separator is a device used to separate metal particles from various materials. It attracts and separates metal materials using technologies such as electromagnets, magnetic drums, eddy current separators and induction.

HOW DOES A METAL SEPARATOR WORK?

Metal separators separate metal parts using magnetic and electromagnetic fields. Devices such as magnetic drums and eddy current separators separate metal parts by pulling or pushing them apart. This process separates metal materials from other materials.

IN WHICH SECTORS ARE METAL SEPARATORS USED?

It is used in recycling plants, mining industry, food processing industry, plastic production, waste management sectors.

WHAT IS THE CAPACITY OF METAL SEPARATORS?

The capacity of metal separators varies depending on the size and density of the material to be handled and the design of the device. In general, high-capacity separators can handle several tons to tens of tons of material per hour.

HOW TO MAINTAIN METAL SEPARATORS?

Regular cleaning of the magnets and separator components ensures efficient operation of the system. Separator components should be regularly checked for wear and repaired when necessary. Regularly checking the energy consumption of the separators optimizes operating costs. Regular maintenance of motors and gears ensures uninterrupted operation of the metal separators.

WHICH MAGNET TYPES ARE USED IN METAL SEPARATORS?

Neodymium magnets or ceramic magnets are generally used in metal separators. Neodymium magnets provide a stronger magnetic field and are effective in handling heavy loads. Ceramic magnets are suitable for lighter applications.

WHAT IS THE ENERGY CONSUMPTION OF METAL SEPARATORS?

The energy consumption of metal separators varies depending on the technology used and the size of the device. Magnetic separators generally provide high efficiency with low energy consumption.

CAN METAL SEPARATORS BE PRIVATIZED?

Yes, metal separators can be customized to separate metal parts of different sizes and shapes. The size of the conveyor belts, the strength of the magnetic field and other components can be adjusted according to the customer's requirements.

WHAT ARE THE SAFETY FEATURES OF METAL SEPARATORS?

Metal separators increase work safety by ensuring accurate and safe separation of metal parts. Furthermore, the absence of external moving parts minimizes work accidents and malfunctions. Operators' safety is ensured as all moving parts are closed.

WHAT MATERIALS CAN METAL SEPARATORS SEPARATE?

Metal separators can be used to separate various metal parts. These materials include steel, iron and other metals with magnetic properties.

WHAT IS THE SERVICE LIFE OF METAL SEPARATORS?

Metal separators have a long service life thanks to their durable construction and high-quality components. With regular maintenance and proper use, metal separators can operate reliably for years.