



"Right Screening, Right Solution, MT Machine"

Tromel Screen, High Performance in Waste Management and Recycling Processes;

Our Tromel screens are rotary screening systems that allow materials to be separated according to their size in waste management and recycling processes. They offer high performance and durability, ensuring efficient separation of solid waste, soils, composts and various mineral processes. Tromel screens play an important role in various industrial applications such as recycling, mining, agriculture and waste management. A tromel screen is a screening system designed in the form of a rotating drum with holes on the inside. As the drum rotates, the materials inside are separated according to their size. The large pieces come out from the outlet of the drum, while

the small pieces are separated through the holes. In this way, the materials are classified according to their size and directed to outlet hoppers of different sizes.

As MT Makina, we offer environmentally friendly and sustainable solutions while optimizing your industrial processes with our advanced technology products and expert team. Our Tromel screens play an important role in areas such as recycling, mining, agriculture and waste management with their robust structures, high efficiency and user-friendly designs. Optimize your recycling and waste management processes with the high performance and durability offered by our Tromel screens. As MT Makina, we are proud to offer the best solutions for your industrial needs.

Advantages of Tromel Sieve;

Tromel screens process large volumes of materials quickly and efficiently. This allows plants to process more waste and achieve higher recycling rates. Thanks to their robust construction and durable materials, rotary drum screens have a long service life and require low maintenance costs. By using screens with different sized holes, it is possible to process a variety of materials. Easy drum change and user-friendly design make it easier for operators. Minimizes environmental impact with energy efficiency and low noise level.



Replaceable Sieve

Easy replaceable sieves.

Sieve Material

Screen production in Hardox, stainless steel or other materials.

Speed Control

The rotational speed of the drum can be adjusted to optimize screening efficiency.

Closed or Open Body

Closed or open body designs are available depending on the intended use and material type.

Materials Separated by Size

Materials of different sizes are separated by exiting from different parts of the drum.

Productivity

High screening efficiency thanks to the rotating drum and adjustable rotation speed.

Cylindrical Design

The trommel screen is shaped like a cylindrical drum and is inclined at a certain angle.

Screening Pores

The surface of the drum is covered with holes of various diameters that allow the separation of materials according to their size.

Technical Specifications

MODEL	ELEK DIAMETER (MM)	ELEK SIZE (M)	ENGINE POWER (KW)
TE-1550	Ø 1500	5	11-22 (2X)
TE-1770	Ø 1700	7	11-30 (2X)
TE-20150	Ø 2000	15	11-22 (2X)



Tromel Screen

Performance and Efficiency;

Speed Control

The rotational speed of the drum can be adjusted to optimize screening efficiency.

Closed or Open Body

Closed or open body designs are available depending on the intended use and material type.

Materials Separated by Size

Materials of different sizes are separated by exiting from different sections of the drum.

Productivity

High screening efficiency thanks to the rotating drum and adjustable rotation speed.



Usage Areas of Trommel Rotary Drum Screens;

Separation of recyclable materials such as plastic, glass, metal and paper according to size in recycling facilities. In composting facilities, separation of organic wastes according to size and preparation for composting process. In construction and demolition waste management, separation of construction and demolition waste by size and classification of recyclable materials. In municipal solid waste management, separation of household waste by size and recovery of recyclable materials. In mining and mineral processing, separation of materials by size in mining and mineral processing processes.

OPTIONAL FEATURES

- Dual Motor Design
- Four Motor Design
- Hydromotor Drive System
- Automatic Lubrication Unit
- Sieves in Different Sizes
- Conveyor Applications



FREQUENTLY ASKED QUESTIONS (FAQ)

WHAT IS A TROMMEL SIEVE?

A trommel screen is a sieving system designed in the form of a rotating drum with holes on the inside. As the drum rotates, the materials inside are separated according to their size. The larger pieces come out through the outlet of the drum, while the smaller pieces are separated through the holes. In this way, materials are classified according to their size.

HOW DOES A TROMMEL SIEVE WORK?

Trommel screens separate materials by size using a rotating drum. Materials are fed into the drum and as the drum rotates, small pieces that can pass through the holes are separated, while large pieces are ejected at the end of the drum. This process ensures that materials are separated according to their size.

WHAT MATERIALS IS A TROMMEL SIEVE USED TO SEPARATE?

Plastic, Paper, Metal, Glass, Organic waste, Soil, Compost, Mineral and mineral

WHAT IS THE CAPACITY OF TROMMEL SCREENS?

The capacity of trommel screens varies depending on the amount of material to be processed and the size of the drum. They usually have capacities ranging from 10-50 tons per hour.

IN WHICH INDUSTRIES ARE TROMMEL SCREENS USED?

Recycling facilities, Composting facilities, Construction and demolition waste management, Municipal solid waste management, Mining and mineral processing

WHAT ARE THE MAINTENANCE REQUIREMENTS OF TROMMEL SCREENS?

Sieve holes should be cleaned regularly to prevent clogging and improve performance. The wear condition of the drum and screen holes should be checked regularly and repaired and replaced when necessary. Regular maintenance of the motor and gears ensures uninterrupted operation of the trommel screens and prevents unexpected breakdowns.

HOW TO ORDER A TROMEL SIEVE?

By contacting MT Makina, you can get information about tromel screen solutions suitable for your needs and place an order. We offer customized solutions according to customer demands.

ARE TROMEL SCREENS ENVIRONMENTALLY FRIENDLY?

Yes, trommel screens minimize environmental impact through energy efficiency and low noise levels. Efficient waste separation reduces the amount of waste going to landfills and increases recycling rates.

WHAT ARE THE DIFFERENT APPLICATIONS OF TROMEL SCREENS?

Tromel screens can be used in a wide range of applications from recycling to mining, agriculture to waste management. It offers high efficiency and durability in separating materials according to their size.

WHAT IS THE PRICE OF TROMEL SIEVES?

The price of tromel screens varies depending on drum size, motor power and additional features. You can contact MT Makina for solutions and price offers suitable for your needs.