



"Turn Waste into Fertilizer, MT Machine for Fertile Soils"

Compost Fertilizer Production Plant, Sustainable Agriculture and Waste Management Solutions;

Our compost fertilizer production facility is a facility where organic wastes are efficiently processed into natural fertilizer. These facilities play an important role in both environmental protection and agricultural productivity. Compost fertilizer enriches the soil, supports plant growth and reduces the use of chemical fertilizers. Our compost fertilizer production facility manages the process of decomposing organic waste into humus by microorganisms under controlled conditions. In these facilities, food waste, garden waste, agricultural waste and other organic materials are processed to produce high quality compost fertilizer.

The Compost Turner accelerates the fermentation process by bringing organic material into contact with oxygen. It helps to obtain a homogeneous compost mixture. Manure Crusher Machine, Crushes organic materials with high moisture content. Provides faster and more efficient decomposition of organic material. Manure Spreader, Provides a more effective fermentation process by evenly distributing the compost. Increases the homogeneity of the mixture. Manure Mixer, Improves the fermentation process by mixing organic waste and compost. Supports the activity of microorganisms. Rotary Dryer, Reduces the moisture content of the compost, resulting in a drier and more stable product. Reduces storage and transportation costs. Rotary Cooler, Reduces and stabilizes the temperature of the dried compost. Improves the quality of the product. Rotary Sieve, Separates unwanted large pieces by examining the compost. It ensures homogeneous and high quality compost. Rotary Drum Coating Machine, Controls the release of nutrients by coating the compost granules. It improves product quality and ensures that nutrients reach the plants effectively. Fertilizer Packer, Packs the compost and makes it ready for sale. It ensures long-term storage and easy transportation of the product.

Advantages of Compost Fertilizer Plant;

Compost increases the organic matter content of the soil, improving its structure and water holding capacity. Compost naturally controls plant diseases and pests. Regular use of compost reduces the need for chemical fertilizers, resulting in less damage to the environment. Compost promotes the growth of beneficial bacteria and fungi that decompose organic matter into humus. Landfilling minimizes environmental impacts by reducing methane emissions. The composting process significantly reduces the carbon footprint. Compost fertilizer production plant plays an important role in sustainable waste management and soil fertility. As MT Makina, we optimize compost fertilizer production processes with our high quality equipment and expert team. You can contact us for solutions suitable for your needs.



Improves Soil Quality

Compost increases the organic matter content of the soil, improving its structure and water holding capacity.

Suppresses Plant Diseases and Pests

Compost controls plant diseases and pests naturally.

Reduces the Need for Chemical Fertilizer

Regular use of compost reduces the need for chemical fertilizers, resulting in less damage to the environment.

Supports Beneficial Microorganisms

Compost promotes the growth of beneficial bacteria and fungi that decompose organic matter into humus.

Reduces Methane Emissions

Landfill minimizes environmental impacts by reducing methane emissions.

Reduces Carbon Footprint

The composting process significantly reduces the carbon footprint.

Productivity

Effective management of the composting process increases operational efficiency.

Technical Specifications

MODEL	CAPACITY (T/S)
COMPOST FERTILIZER PRODUCTION FACILITY	1-10



TSH-Series Single Shaft Shredder

Performance and Efficiency

Improves Soil Quality

Compost increases the organic matter content of the soil, improving its structure and water holding capacity.

Suppresses Plant Diseases

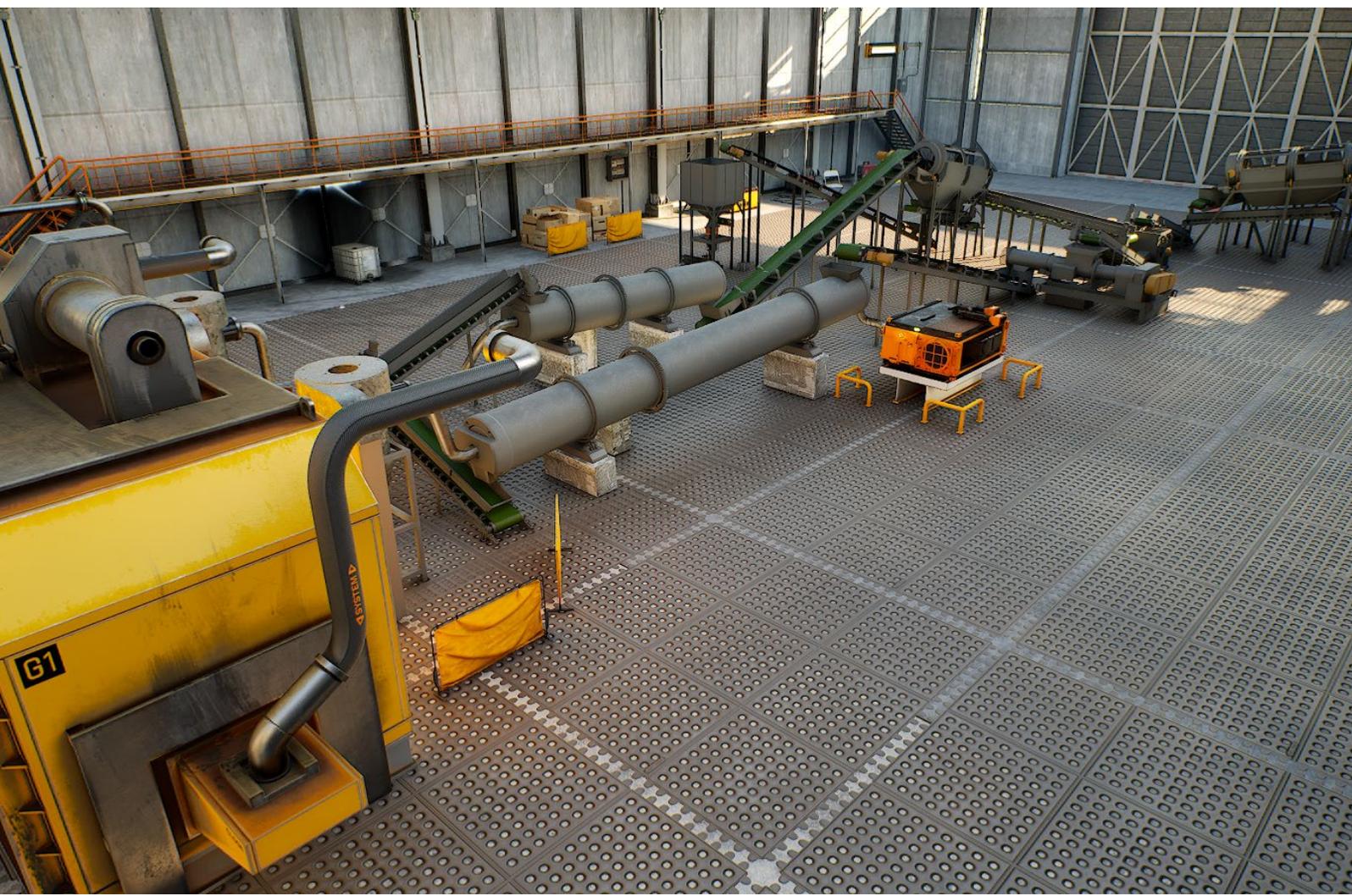
Compost controls plant diseases and pests naturally.

Reduces the Need for Chemical Fertilizer

Regular use of compost reduces the need for chemical fertilizers, resulting in less damage to the environment.

Reduces Carbon Footprint

The composting process significantly reduces the carbon footprint.



Compost Fertilizer Production Plant, Usage Areas;

Used in agricultural areas to increase soil fertility and support sustainable agricultural practices. It is used to increase the organic matter content of soil in gardens, parks and landscaping areas. Municipalities and local governments support environmentally friendly practices by using compost in parks and green areas. Used in erosion control and soil improvement projects.

Various animal manures such as slaughterhouse waste, chicken manure, pig manure, cattle manure. Agricultural waste such as straw, crop residues, soybean meal, bean residue, rice bran. Industrial waste such as wine residue, vinegar waste, sugar production waste. Domestic organic waste such as food waste, vegetable and fruit waste. Mineral wastes such as humic acid, bentonite, dolomite. Sludge wastes such as sewage sludge, river and pond sludge.

OPTIONAL FEATURES

- Automatic Feeding System
- Advanced Conveyor Systems
- Automatic Mobile Compost Turners
- Temperature and Humidity Control Systems
- Compost Bagging and Packaging Systems
- Compost Screening Machines
- Odor and Dust Control Systems
- Smart Waste Management Software



FREQUENTLY ASKED QUESTIONS (FAQ)

WHAT IS A COMPOST FERTILIZER PRODUCTION FACILITY?

A compost fertilizer production facility is a facility where organic wastes are decomposed by microorganisms under controlled conditions and turned into natural fertilizer. In these facilities, food waste, garden waste, agricultural waste and other organic materials are processed to produce high quality compost.

HOW DOES A COMPOSTING PLANT WORK?

Organic waste is collected and unsuitable material is separated. Waste is broken into small pieces to speed up the composting process. The waste is regularly mixed and aerated to increase the activity of microorganisms. The waste is composted under controlled conditions over a period of time. The compost is left to mature for several weeks or months before use. The matured compost is cleaned of unwanted particles and packaged.

WHAT KIND OF WASTE IS USED IN COMPOST FERTILIZER PRODUCTION?

Animal wastes, agricultural wastes, industrial wastes, domestic wastes, mineral wastes, sludge wastes are used.

WHAT IS THE CAPACITY OF A COMPOST FERTILIZER PRODUCTION FACILITY?

Plant capacity varies depending on the amount of waste to be processed and the characteristics of the equipment selected. Capacity can range from a few tons to hundreds of tons per day.

HOW LONG DOES COMPOSTING TAKE?

The composting time varies depending on the type of waste used, the environmental conditions and the equipment used. Generally, the composting process can take from a few weeks to several months.

HOW SHOULD COMPOST FERTILIZER BE USED?

Compost fertilizer can be used as a soil improver in agricultural areas, gardens, landscaping projects and urban green spaces. By increasing the organic matter content of the soil, compost promotes plant growth and reduces the need for chemical fertilizers.

HOW TO ORDER A COMPOSTING PLANT?

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