

Fruits & Vegetable Processing Line

M&T Engineering Equipments specializes in providing state-of-the-art machinery tailored to meet the diverse needs of the vegetable processing industry. Our Integrated Vegetable Processing Line is designed to enhance productivity while maintaining the highest hygiene and quality standards.

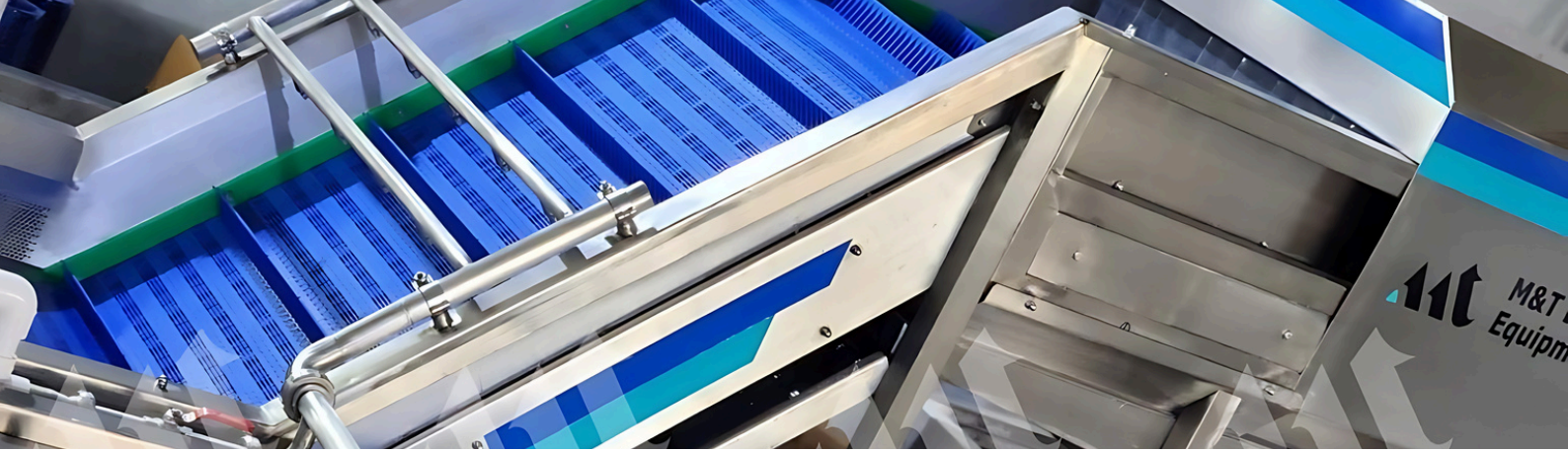


Sectors We Serve

At M&T Engineering Equipment, we specialize in delivering custom-built solutions that precisely meet our customers' needs. Our equipment can be tailored to fit the specific requirements of any industry.

Our advanced manufacturing technology is designed to enhance organizational efficiency. With years of experience, we've developed products and services that cater to a wide array of industries.





Washing **Fruits & Vegetables** enhances food safety and extends their shelf life.

We specialize in providing comprehensive fruit and vegetable processing lines and turnkey production solutions. Our processing lines are designed to handle a wide variety of fruits and vegetables with similar characteristics. These lines are highly automated, require minimal labor, are easy to operate, and ensure safe and cost-effective functioning. They are also designed with hygienic processes that ensure thorough cleaning and maintain high sanitation standards.

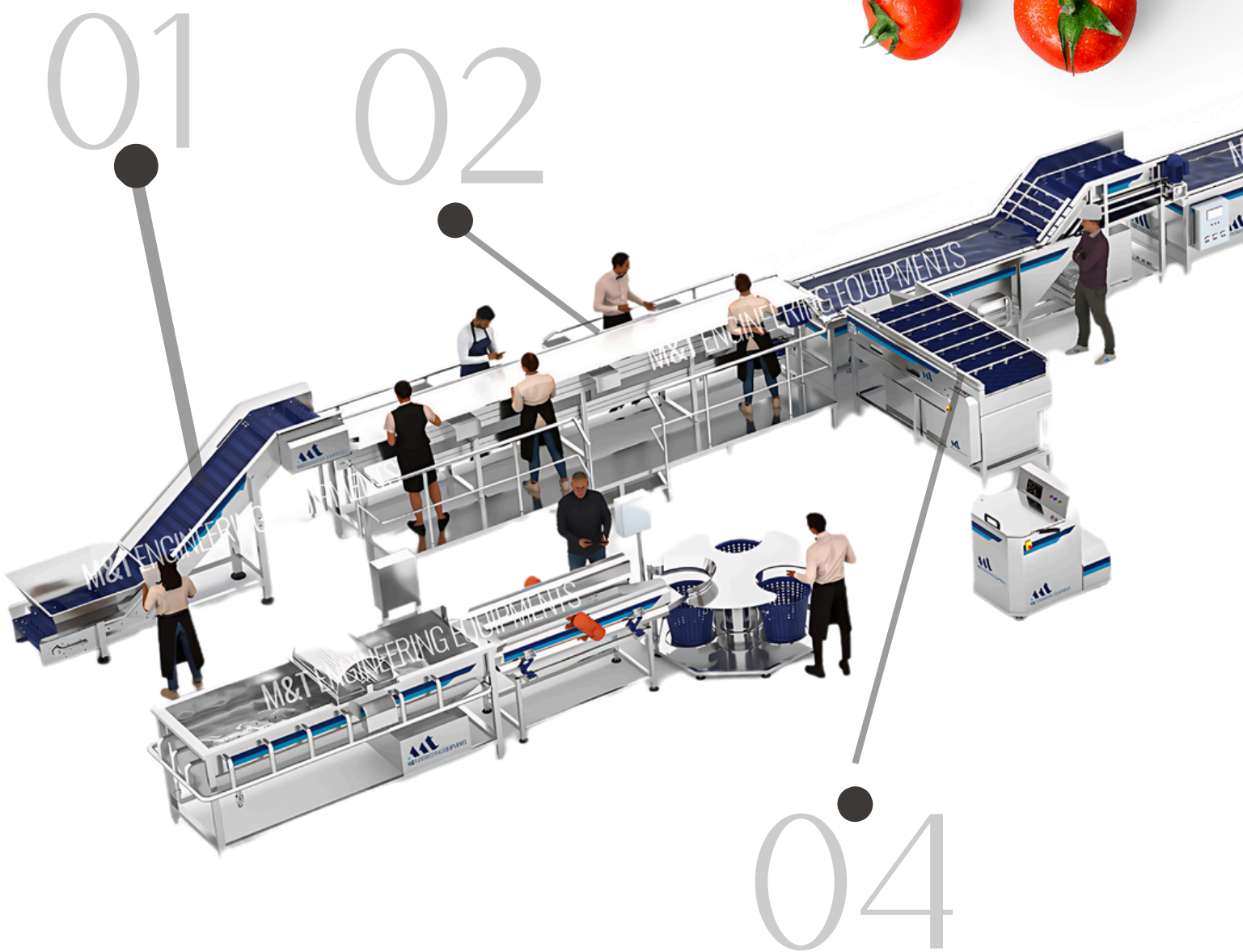
Our advanced technologies allow for precise grading of fruits and vegetables based on color, size, and weight, offering significant opportunities for value addition to horticultural produce while reducing waste.

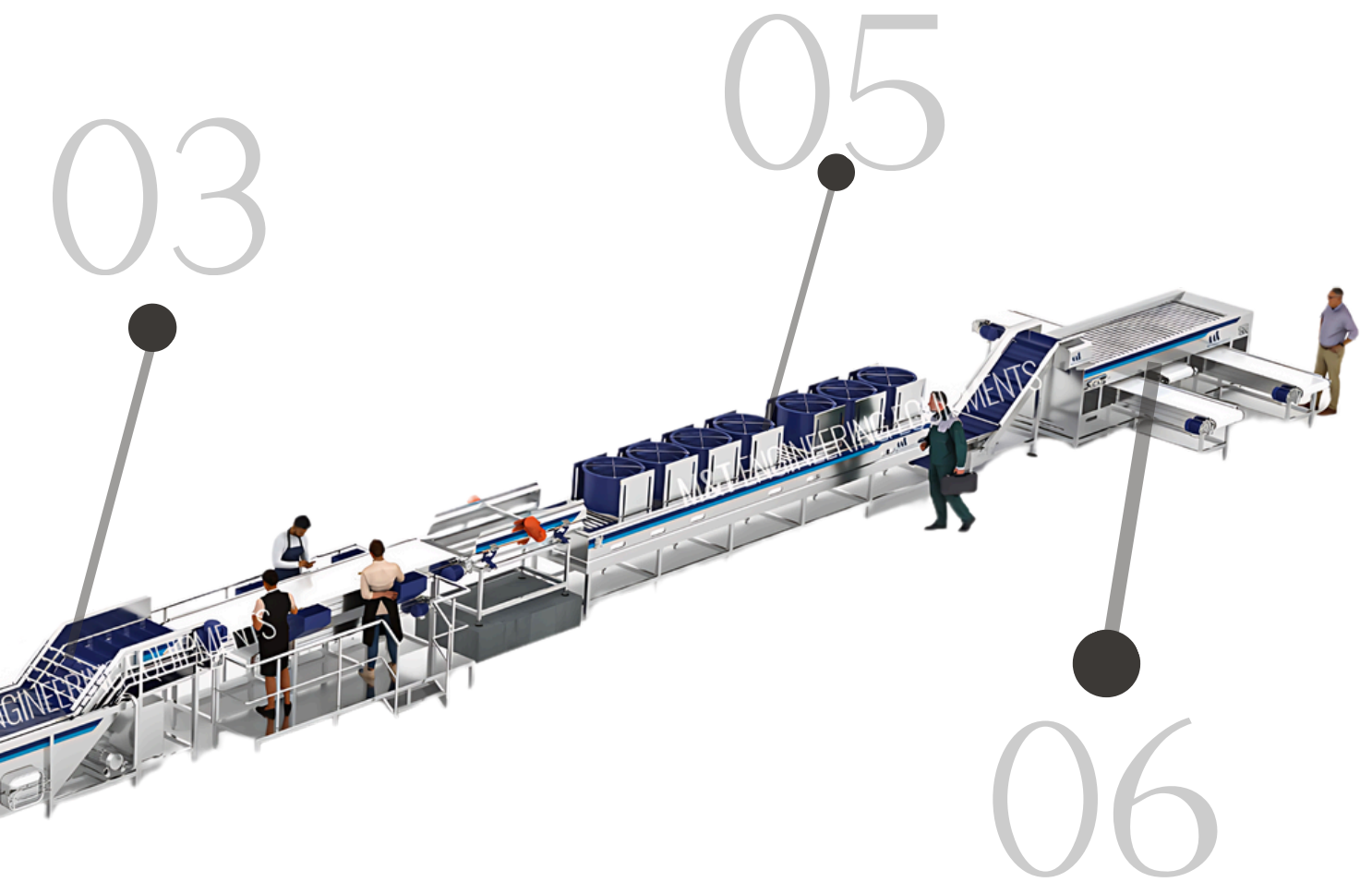
We complete the value-addition process by offering cold-room facilities for the storage and preservation of fresh produce. Additionally, we provide solutions for cut vegetable lines, and the production of puree, juice, ketchup, and dehydrated fruits and vegetables, with packaging options in cans, bottles, and pouches.



Fruits & Vegetables processing line

Cleaning fruits and vegetables can extend their shelf life and boost food safety.





1. Inclined Conveyor
2. Inspection Conveyor
3. Bubble Washer or Vegetable Washer
4. Brush Washer
5. Air Dryer
6. Roller Size Grading Machine

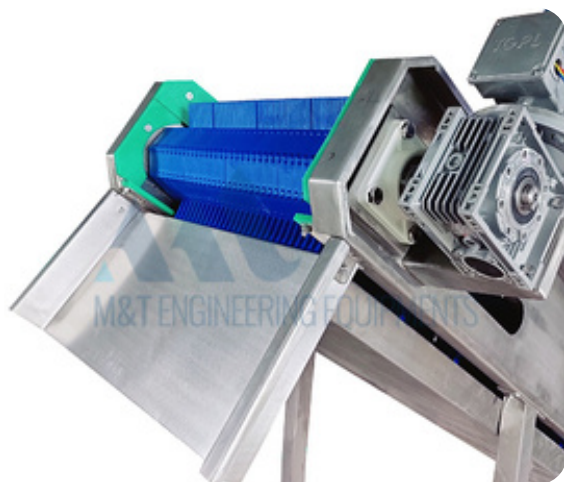


01 Inclined Conveyor



M&T Engineering Equipments'

Inclined Conveyors offer an ideal solution for moving goods efficiently up an incline.



Crafted using premium quality materials and cutting-edge techniques, this conveyor undergoes rigorous quality checks to ensure superior performance.

Ideal for continuous processing in food plants, the conveyor facilitates the inspection process by dividing the product into multiple lanes as it moves along the belt. It features an adjustable height and speed, making it easy to operate. The belt runs along the length of the conveyor on a durable PP support sheet.

The drive system includes geared motors, bearings, and a tensioning arrangement, ensuring smooth and reliable operation. We also offer customization options to meet specific customer requirements.

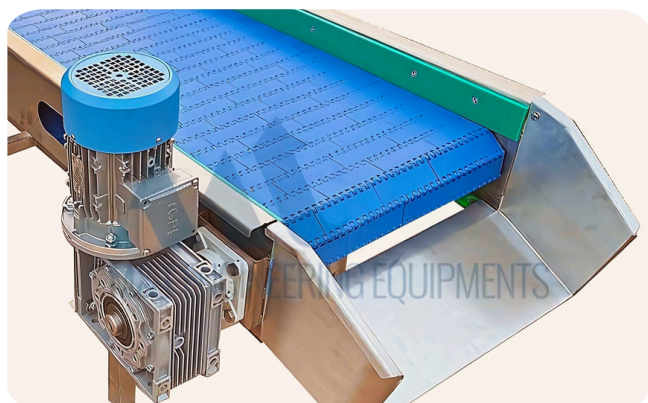




02 Inspection Conveyor



M&T Engineering Equipments offers a top-notch Inspection Conveyor, designed specifically for the efficient transportation and inspection of fruits and vegetables.



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Ideal for continuous processing in food plants, the conveyor facilitates the inspection process by dividing the product into multiple lanes as it moves along the belt. It features an adjustable height and speed, making it easy to operate. The belt runs along the length of the conveyor on a durable PP support sheet.

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03 Root Vegetable Washer



The **M&T Root Washer** is expertly designed for the efficient cleaning of root vegetables such as ginger, carrots, onions, radishes, yams, taro, cassava, potatoes, and sweet potatoes.

This machine utilizes food-grade brushes and rotating brushes combined with high-pressure sprays to thoroughly remove stains, dirt, and other residues from the surface of root vegetables.

Depending on the specific needs of the product, the machine can be equipped with either stiff or soft brushes. The rolling action of the brushes facilitates effective cleaning and peeling through the friction generated between the brushes and the vegetables.

With a design that is both compact and well-structured, the M&T Root Washer ensures optimal performance and reliability in the cleaning process.



04 Fruits/Vegetables Washer



The **M&T Vegetable Washing Machine** is ideal for the fruit and vegetable processing industry, using bubble spraying technology for thorough cleaning. It effectively removes dirt and residues with water and high-pressure spray nozzles. Equipped with a Variable Frequency Drive (VFD) for adjustable conveyor speed and a clean water spray section for double washing, it ensures efficient, continuous cleaning.



05 Air Drying System



A **Fruit and Vegetable Dewatering Conveyor** is designed to remove excess moisture from produce after washing, blanching, or other processing stages. Effective dewatering is crucial for preventing spoilage, improving the quality of the final product, and ensuring efficient packaging. Here's how such a system typically works and what to consider:

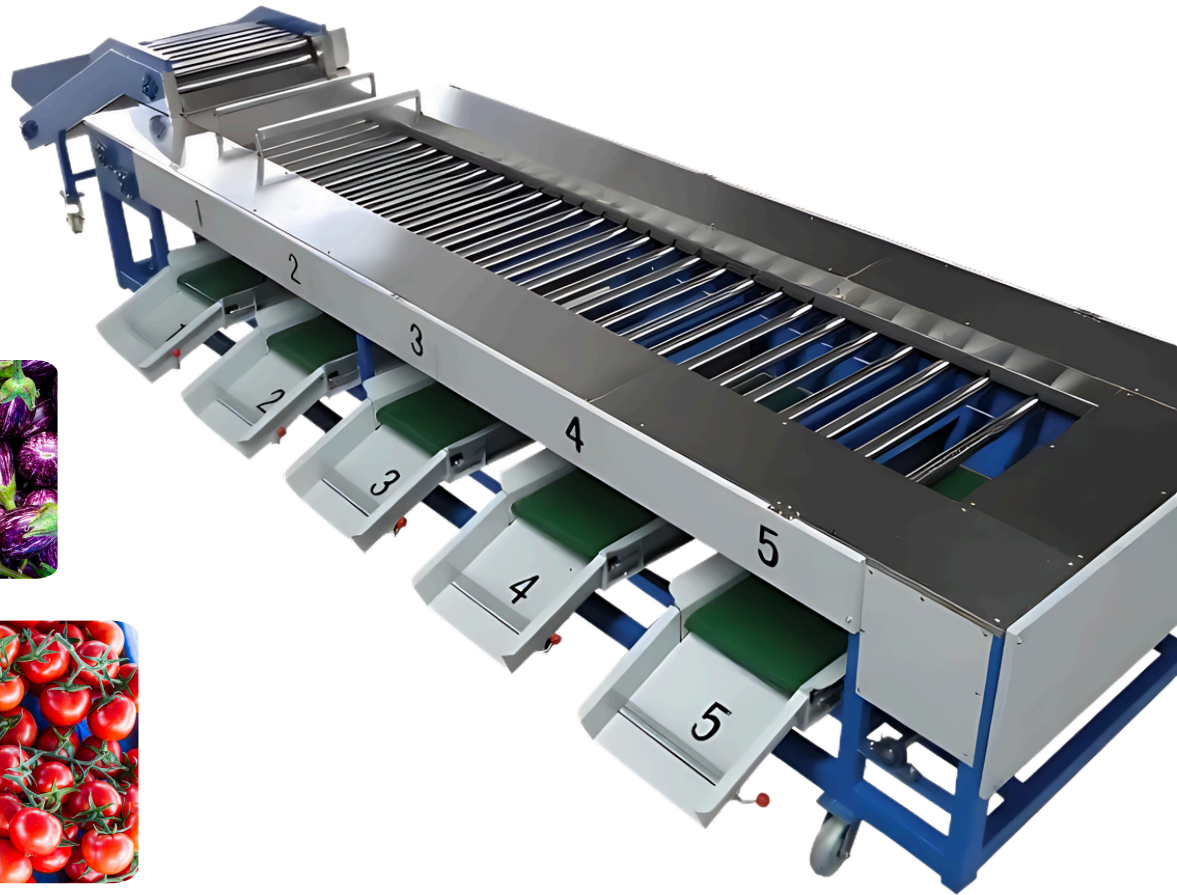
Function and Purpose

- 1. Moisture Removal:** The primary function is to reduce the water content on the surface of fruits and vegetables. This helps in better preservation, enhances the texture, and prepares the produce for subsequent processing or packaging.
- 2. Prevents Spoilage:** Excess moisture can lead to bacterial growth and spoilage. Dewatering helps in extending the shelf life of the produce.
- 3. Improves Handling:** Less water on the produce makes it easier to handle and package, reducing the risk of damage.





06 Size Grading Machine



A **Roller Size Grading Machine** is a valuable tool in the Fruit and Vegetable Processing Industry, ensuring that produce is sorted accurately and efficiently based on size. Proper selection of the machine based on your specific needs will help in optimizing the sorting process and maintaining high quality in the final product.

A **Roller Size Grading Machine** for Fruits and Vegetables is used to sort produce based on size and diameter. This type of machine is crucial in ensuring uniformity in products, which is important for both quality control and packaging. Here's an overview of how these machines work, their components, and considerations for selecting the right one:

Function and Purpose

Uniformity: Ensures that fruits and vegetables are sorted into different size categories, which helps in packaging, processing, and pricing.

Quality Control: Helps in removing undersized or oversized produce that doesn't meet the quality standards.

Efficiency: Automates the sorting process, increasing speed and accuracy compared to manual sorting.

Roller size grading machine is suitable for Fruits and vegetables.

07 Packing Line



1. NET PACKING FOR ROOT VEGETABLES:

Net packing is an ideal solution for root vegetables, offering excellent ventilation, durability, and visibility. It ensures freshness by allowing air circulation, prevents spoilage, and is eco-friendly. Perfect for transporting and storing potatoes, carrots, and other root vegetables, net packing maintains quality and extends shelf life.



2. FLOW WRAP PACKING FOR LEAF VEGETABLES:

Flow wrap packing provides a secure and hygienic packaging solution for leaf vegetables, preserving freshness and extending shelf life. It protects the delicate leaves from damage, maintains moisture, and ensures a tamper-proof seal, making it ideal for spinach, lettuce, and other leafy greens.



3. TRAY PACKING FOR FRUITS:

Tray packing offers a protective and visually appealing solution for fruits. It keeps fruits securely in place, reduces bruising during transport, and enhances presentation on shelves. Ideal for delicate and premium fruits like berries, apples, and peaches, tray packing preserves quality and freshness.



Fruits & Vegetables IQF Line

The M&T IQF Line is customized to fit the size of the products being frozen and is ideal for fruits, vegetables, meat, seafood, frozen foods, and prepared foods in processing lines.

It's particularly well-suited for delicate vegetables like broccoli, cauliflower, and asparagus. If you're seeking high-quality frozen vegetables without sacrificing energy efficiency, the M&T IQF Line is the perfect solution.



With the M&T IQF Line, you can easily freeze prepared foods, fruits, vegetables, packaged foods, meat, ice cream, and more. M&T also offers end-to-end food processing plants and cold storage solutions on a turnkey basis.

Dehydration Processing Line



A dehydration processing line is a series of equipment and machinery used to remove moisture from various food products, transforming them into dehydrated or dried products. Dehydration is a common method of food preservation that extends the shelf life of perishable foods by reducing their water content.

Juice Processing Line



M&T provides turnkey solutions for Concentrated Fruit Juice Processing Plants and Machinery. The M&T Juice Processing Plant is comprised of key components such as a washer, sorting conveyor, elevator, preheater/destoner, pulping and refining system, buffer tank and pump, evaporator, holding tank, sterilizer, aseptic filler, and other vital processes.

M&T designs and manufactures processing lines for producing high-quality fruit juice or pulp, available in both single-strength and concentrated forms.





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