



M&T ENGINEERING EQUIPMENTS



# Fruits & Vegetables Washing Series

M&T is offering Vegetable Processing Lines, Which is suitable for all Leafy Vegetables, Root Vegetables, and Regular Solid Vegetables.

M&T is designing the Processing line machinery based on the customer requirement. We have Multi Functional Processing Line, Dedicated Root Vegetable processing line, Leafy Vegetable Processing Line, Fruit Processing Line.

# Multi Functional Vegetable Washing Machine

## Function & Features:

### Hydro Fumes Bubble Washing

The material has an irregular and strong overturning movement in the water, which can effectively separate the attachments on the surface of the object to be cleaned through the movement of the material, and the cleaning is complete.

### Spray Cleaning

The lifting section can be connected to the tap water spray pipe for spray cleaning, which can replace and remove the dirty water on the material surface, so as to improve the cleaning effect of materials.

### Water Filtration

The equipment is equipped with circulating water pump and filter water tank to realize the recycling of cleaning water, save water, and replace new water according to the actual production situation.

### Conveyor Speed Controlling

The conveyor belt motor of the equipment can realize the function of adjusting the speed. the cleaned vegetables are transported through the net chain, with automatic feeding and discharging. the conveying speed of the conveyor belt can be adjusted according to the production needs.



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[www.mandtprojects.com](http://www.mandtprojects.com)



# Fruits & Vegetables Processing

## Three Basket Bubble Washing Machine



### Basket type Vegetable Washer

<b>Type</b>	MATEE-100-500B	<b>Output</b>	500Kg/Hr
<b>Power</b>	3HP	<b>Weight</b>	200Kg
<b>Voltage</b>	415V(3-phase)	<b>Size</b>	1600x850x880 MM

## Tilting Type Multifunctional Vegetable & Fruit Washing Machine



### Tilting type Vegetable Washer

<b>Type</b>	MATEE-100-250B	<b>Output</b>	100Kg/Hr
<b>Power</b>	5HP	<b>Weight</b>	250Kg
<b>Voltage</b>	415V(3-phase)	<b>Size</b>	1260x1150x950 MM

## Ozone Disinfection Bubble Vegetable Washing Machine



### Conveyor type Vegetable Washer

<b>Type</b>	MATEE-1000C	<b>Output</b>	1000Kg/Hr
<b>Power</b>	9Hp	<b>Weight</b>	900Kg
<b>Voltage</b>	415V(3-phase)	<b>Size</b>	4500x1300x1300 MM

<b>Type</b>	MATEE-2000C	<b>Output</b>	2000Kg/Hr
<b>Power</b>	13Hp	<b>Weight</b>	1100Kg
<b>Voltage</b>	415V(3-phase)	<b>Size</b>	5100x1400x1300 MM

<b>Type</b>	MATEE-3000C	<b>Output</b>	3000Kg/Hr
<b>Power</b>	14Hp	<b>Weight</b>	1500Kg
<b>Voltage</b>	415V(3-phase)	<b>Size</b>	6500x1400x1300 MM

- Ozone (1000mg) sanitizers function can reduce pesticide residues, disinfection, and sterilization.
- Bubble washing will protect fruit to avoid damage, and the strength of bubbles can be adjusted.
- With the elevator, it will have secondary cleaning/spray.

## Vortex Washing Machine



Vegetable and Fruit Vortex Washing Machine

Type	MATEE-500-2000C	Weight	600Kg/Hr
Power	8HP	Size	1600x850x880 MM
Voltage	415V 50HZ	Output	1.8T/H

## Rotary Drum Washing Machine



The material enters the rotating drum through the hoist and rolls. The wall of the cylinder is arranged with a number of triangular angle irons, which are wet by water. The material and the angle iron constantly collide and shake off the mud. Separated mud sand sinks into the mud collecting tank, from two muds. The mouth is discharged. Material is discharged after two-stage cleaning. The end automatically flows out.

Rotary Drum Washing Machine

Type	MATEE-DRUM-500-4000	Weight	500Kg/Hr
Power	5HP	Size	3500x1300x1330 MM
Voltage	415V 50HZ	Output	0.5 - 1.8T/H

## Conveyor Series



Material Elevator Conveyor

Type	MATEE-C-1	Weight	200Kg/Hr
Power	1HP	Size	2330x850x1520 MM
Voltage	415V 50HZ	Output	10-50MM





## Root Vegetables Cleaning & Peeling Machines

The machine is mainly composed of motor, transmission and brush roller. It is designed and manufactured by our factory based on the characteristics of root vegetable processing machinery at home and abroad.

These Machine adopts the friction principle of brush, which is widely applicable to the cleaning and peeling of round, oval fruits and vegetables such as ginger, carrot, potato, sweet potato and other root potato, also it can peel the fish-scale. Melon and fruit brush roller cleaning peeling machine with beautiful appearance and easy to operate, cleaning peeling volume, high efficiency, small energy consumption, continuous cleaning, simple operation, long service life and other characteristics.

Each type and style can be customized according to different processing materials: straight soft(hard) brush roller, wave soft(hard)brush roller, gold and steel sand roller.



Brush Cleaning Peeling Machine

<b>Type:</b>	MATEE-P-01	<b>Output:</b>	800-1200KG/H
<b>Brush No./Length:</b>	6/800mm	<b>Weight:</b>	180KG
<b>Voltage/Power:</b>	415V/0.75KW	<b>Size:</b>	1330x850x830mm



Brush Cleaning Peeling Machine

<b>Type:</b>	MATEE-P-02	<b>Output:</b>	1000-2000KG/H
<b>Brush No./Length:</b>	6/1500mm	<b>Weight:</b>	250KG
<b>Voltage/Power:</b>	415V/1.5KW	<b>Size:</b>	1800x780x1010mm



Brush Cleaning Peeling Machine

<b>Type:</b>	MATEE-P-03	<b>Output:</b>	3000-3500KG/H
<b>Brush No./Length:</b>	8/1800mm	<b>Weight:</b>	380KG
<b>Voltage/Power:</b>	415V/3KW	<b>Size:</b>	2100x920x1110mm



Brush Cleaning Peeling Machine (continuous)

<b>Type:</b>	MATEE-P-04	<b>Output:</b>	4000KG/H
<b>Brush No./Length:</b>	8/2400mm	<b>Weight:</b>	560KG
<b>Voltage/Power:</b>	415V/4.5KW	<b>Size:</b>	2860x880x1360mm

## Vegetable Cutting Machines

M&T Is offering High-speed dicing machine can put strips of globular fruit, such as carrots, potatoes, taro, potato cucumber, etc.

Especially the soft, juicy kind of melons and fruits, such as mango, pineapple, papaya, apple, strawberry, ham, etc., fast dicing or cutting, adjustable thickness size, simple and safe operation, dicing speed, large output, convenient cleaning. It is suitable for large food processing plants, catering industry, dining hall use.



Large 3D high-speed dicing machine

<b>Type:</b>	MATEE-109S	<b>Output:</b>	500-1000KG/H
<b>Power:</b>	0.75KW	<b>Weight:</b>	110KG
<b>Voltage:</b>	415V(3-phase)	<b>Size:</b>	950x780x1280mm



Large 3D high-speed dicing machine

<b>Type:</b>	MATEE-109L	<b>Output:</b>	2000-3000KG/H
<b>Power:</b>	1.5KW	<b>Weight:</b>	170KG
<b>Voltage:</b>	415V(3-phase)	<b>Size:</b>	1370x1110x1250mm



Multi-function double-end vegetable cutting machine

<b>Type:</b>	MATEE-112	<b>Output:</b>	300-1000KG/H
<b>Power:</b>	1.875KW	<b>Weight:</b>	195KG
<b>Voltage:</b>	220V(1-phase)	<b>Size:</b>	1180x550x1020mm

The equipment has dual frequency modulation function, one head can be cut leaves vegetables, such as long onions, leeks, celery, cabbage, vegetables, etc.; One the side are root vegetables such as radish, potato, sweet potato, taro, onion, eggplant, apple, ginger and so on. Available for slicing (thickness can be customized), shred (thickness can be customized), section cutting (length adjustable), dicing (size can be customized).



Large multi-functional vegetable cutting machine

<b>Type:</b>	MATEE-165	<b>Output:</b>	600-1800KG/H
<b>Power:</b>	2.25KW	<b>Weight:</b>	140KG
<b>Voltage:</b>	220V(1-phase)	<b>Size:</b>	1020x760x1370mm



## Vegetable Cutting Machines



### Large multi-functional vegetable cutting machine

<b>Type:</b>	SH-125	<b>Output:</b>	600-1000KG/H
<b>Power:</b>	1.25KW	<b>Weight:</b>	78KG
<b>Voltage:</b>	220V(1-phase)	<b>Size:</b>	760x560x1350mm

Large vegetable cutting machine can cut leaves vegetable, such as long onions, garlic, leeks, celery, cabbage, vegetables, etc., can also cut strips, such as radish, cucumber, pepper, eggplant, etc., (can be sliced/cut segments/cut strips). One machine multi-purpose equipment, high output, easy to replace the cutter, simple operation, easy to clean, it is suitable for large food processing center, catering industry, large dining hall, catering distribution center.



### Bulb Vegetable Cutting Machine

<b>Type:</b>	MATEE-100	<b>Output:</b>	300-1000KG/H
<b>Power:</b>	0.75KW	<b>Weight:</b>	60KG
<b>Voltage:</b>	220V	<b>Size:</b>	760x550x930mm
<b>Cutting Range:</b>	Slice:2-10mm Shred:2-10mm Diced:8/10/12/15/20mm		

The bulb type vegetable cutting machine can cut radish, potato, sweet potato, taro, onion, eggplant, apple and many other melon fruit splices/shred/diced, such as potato chips, shredded radish, thickness size specifications can be customized. Multi-purpose equipment, high output, easy to replace the cutter disc, simple operation, single easy to clean, suitable for food processing plants, catering distribution center use.



### Large root vegetable cutting machine

<b>Type:</b>	MATEE-100L	<b>Output:</b>	600-1500KG/H
<b>Power:</b>	0.75KW	<b>Weight:</b>	150KG
<b>Voltage:</b>	220V/380V	<b>Size:</b>	750x880x900mm
<b>Slices Thk:</b>	2-8mm	<b>Shreds Thk:</b>	2-8mm

This machine is used for cutting bulbs and fruits such as radishes, potatoes, sweet potatoes, taro, bamboo shoots, eggplants, apple, papaya, pineapple, etc., Multifunctional cutting, can be sliced, shredded, cut into strips (not dice), Suitable for kitchen operators, canning factories, rapid freezing factories, food processing factories, catering industry, canteen and so on. One machine with multiple functions, high output, convenient cutter head replacement, simple operation and convenient cleaning.

## Vegetable Cutting Machines



### Ginger/bamboo shoot cutting machine

<b>Type:</b>	MATEE -50	<b>Output:</b>	50KG/H(1.5/2mm)
<b>Power:</b>	0.375KW	<b>Weight:</b>	50KG
<b>Voltage:</b>	220V	<b>Size:</b>	520x370x600mm

### Ginger/bamboo shoot cutting machine

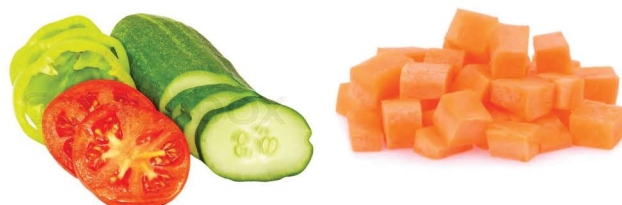
<b>Type:</b>	MATEE -100	<b>Output:</b>	100KG/H(2/2.5/3mm)
<b>Power:</b>	0.75KW	<b>Weight:</b>	75KG
<b>Voltage:</b>	220V	<b>Size:</b>	640x470x840mm

The ginger and bamboo cutting machine can quickly cut ginger, bamboo shoots, radish, potato, sweet potato, taro and cucumber into shreds or slices (QS-50 is suitable for cutting ginger and ginger slices, QS-100 is suitable for cutting bamboo and bamboo slices). Through the customized knife set, the cutting thickness can be realized. Minimum cutting specification 1.5mm piece and 1.5x1.5mm wire. Suitable for processing plants, catering distribution center use.

### Potato chips cutting machine

<b>Type:</b>	MATEE -1000J	<b>Output:</b>	1000KG/H
<b>Power:</b>	1.5KW	<b>Weight:</b>	115KG
<b>Voltage:</b>	220V/380V	<b>Size:</b>	1060x690x1040mm
<b>Cutting Thk:</b>	6/8/10/12mm		

Potato chips cutting machine can cut potatoes, radishes, etc. into square strips. After cutting the surface of the finished product is smooth and symmetrical, the cutting speed is fast, and the output is high. The average output per hour reaches more than 1000kg. The operation is simple, the cleaning is convenient, time and labor are saved, and the labor cost is reduced.





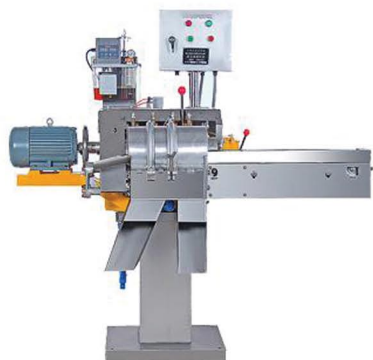
## Vegetable Cutting Machines



Garlic Separating Machine

<b>Type:</b>	MATEE -1000	<b>Weight:</b>	80KG
<b>Power:</b>	2KW	<b>Output:</b>	800-1000KG/H
<b>Voltage:</b>	220V/380V	<b>Size:</b>	950x850x1360mm

The splitting effect is good. Efficiency is high, the operation is simple and easy to understand. Split rate can reach more than 95%, suitable for use in fruit and vegetable processing center.



Corn Thresher

<b>Type:</b>	MATEE -1000	<b>Weight:</b>	580KG
<b>Power:</b>	1.5KW	<b>Output:</b>	500-800KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	1650x840x1580mm

This machine adopts corn cob cutting technology, which has high threshing efficiency, good effect, simple operation and convenient cleaning. The threshed corn grains are widely used in pasta, cakes, drinks and other foods.



Corn Thresher

<b>Type:</b>	MATEE -500	<b>Weight:</b>	100KG
<b>Power:</b>	2.2KW	<b>Output:</b>	300-400KG/H
<b>Voltage:</b>	220V	<b>Size:</b>	630x620x1250mm

Corn thresher is made of 304 stainless steel, which is durable and can adapt to humid environment. The threshed corn kernels are widely used in pasta, cakes, drinks and other foods, suitable for processing plants.



Large garlic mash breaking machine

<b>Type:</b>	MATEE -607	<b>Output:</b>	500KG/H
<b>Power:</b>	1.5KW	<b>Weight:</b>	80KG
<b>Voltage:</b>	220V/380V	<b>Size:</b>	900x380x100mm

The large breaking machine is broken through the rapid rotation and cutting of multiple sets of knives, which can be used to make minced onions, mashed potatoes, mashed garlic (minced garlic), grated vegetable, etc., and a variety of fruits and vegetables into grated or beaten into juice. The machine is made of stainless steel, wear-resisting and durable, Simple operation, convenient cleaning, safe and reliable. Suitable for catering industry, hotels, restaurants, food processing plants and other units to use.

## Vegetable Cutting Machines



Garlic Peeling Machine

<b>Type:</b>	MATEE-100	<b>Weight:</b>	70KG
<b>Power:</b>	0.1-2KW	<b>Output:</b>	100KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	650x630x1500mm

The garlic peeling machine is composed of a drying and heating tank and a peeling bucket. No water soaking, no cutting, no wear design, dry peeling through air flow, high integrity of garlic.



Two-cylinder garlic peeling machine

<b>Type:</b>	MATEE -300	<b>Weight:</b>	150KG
<b>Power:</b>	0.3-4KW	<b>Output:</b>	300-400KG/H
<b>Voltage:</b>	220V/380V	<b>Size:</b>	930x800x1460mm

It is composed of drying and heating box and peeling work barrel. A heated drying oven with a hot air circulation keeps garlic dry even humid climates. The whole process programming timing automatic integration design.



Onion peeling machine

<b>Type:</b>	MATEE -300	<b>Weight:</b>	140KG
<b>Power:</b>	0.4KW	<b>Output:</b>	300KG/H
<b>Voltage:</b>	220V	<b>Size:</b>	920x680x1420mm

The onion peeling machine uses compressed air as a power source to blow away the onion skins through a powerful swirling airflow. The working process is not soaked in water, no need to cut, onion integrity is high.





## Fruit & vegetable Dehydrating Series

MATEE -6J is suitable for all kinds of vegetable products to remove surface water

It is an ideal processing equipment for Cut vegetable processing industry to remove surface water quickly. Based on the technical parameters of vegetable processing materials, the equipment realizes the control of working time, working speed, start and stop by using frequency conversion technology and photoelectric sensor technology, and has the characteristics of reliable operation, simple operation and low noise.



### Cut Vegetables/Leafy Spin Dryer

<b>Type:</b>	MATEE -6J	<b>Weight:</b>	30KG
<b>Power:</b>	0.375KW	<b>Output:</b>	6-10KG/Time
<b>Voltage:</b>	415V	<b>Size:</b>	600X600X900



### Dryer

<b>Type:</b>	MATEE -112	<b>Output:</b>	300-1000KG/H
<b>Power:</b>	1.875KW	<b>Weight:</b>	195KG
<b>Voltage:</b>	220V(1-phase)	<b>Size:</b>	1180x550x1020mm

Built-in trolley and stainless steel mesh tray is not included



## Juicing Series



Pomegranate Peeling Machine

<b>Type:</b>	MATEE-B2000	<b>Weight:</b>	250KG
<b>Power:</b>	4.45KW	<b>Output:</b>	1000KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	1900x1030x2180mm

The MATEE -B2000 special designed fruit shell breaking and separating equipment is specially designed for the shell breaking and separating of passion fruit, pomegranate, passion fruit and other fruits. It has the characteristics of novel structure, tight playing, high energy-saving efficiency and so on. The equipment is made of stainless steel, which meets the sanitary requirements, has large output and high juice yield. It is suitable for large-scale vegetable and fruit processing and beverage product raw material processing center.



Fruit Destoner Machine

<b>Type:</b>	MATEE-B2000	<b>Weight:</b>	500KG
<b>Power:</b>	10KW	<b>Output:</b>	1000KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	1900x1030x2180mm

The MATEE -B2000 This machine is suitable for beating stone fruit (mango, peach, apricot, etc.), berry (kiwi, strawberry) and kernel fruit (apple, pear, etc.), and removing residue. Its characteristics are: pulp, residue (peel, seed, nut) automatic separation, which can be combined in the production line for line work, but also for single production. All places in contact with the material are made of stainless steel and high quality edible rubber, with good corrosion resistance, no contamination of the material, ensuring food hygiene. The machine can change the beating speed and obtain satisfactory results by changing the screen of different specifications and adjusting the lead Angle of the scraper. This machine has the characteristics of simple operation, convenient cleaning, safety and sanitation, continuous feeding, wide range of application, etc. It is an ideal equipment for fruit and vegetable processing.





## Packing Series



### Fully automatic box packaging machine

<b>Type:</b>	MATEE-L8250A	<b>Weight:</b>	850KG
<b>Power:</b>	6.5KW	<b>Size:</b>	1815x1520x2005mm
<b>Voltage:</b>	220V	<b>Bag material:</b>	OPP/CPP
<b>Output:</b>	10-60BAGS/MIN		

The box-type automatic packing machine is widely used in many industries such as food, hardware, agricultural products, daily chemical, medicine, etc. Using touch screen and stable and reliable PLC control.



### Horizontal film sealing machine

<b>Type:</b>	MATEE-16K	<b>Weight:</b>	22KG
<b>Power:</b>	0.5KW	<b>Size:</b>	860x410x365mm
<b>Voltage:</b>	220V	<b>Seal wide:</b>	6-10mm
<b>Output:</b>	0-16M/MIN	<b>Film thickness:</b>	0.02-0.8mm

The film sealing machine is suitable for various plastic film sealing and bag making. It is widely used in food, medicine, chemical industry, electronic components and other industries.



### Vertical vacuum packing machine

<b>Type:</b>	MATEE-400L	<b>Bag size:</b>	≤400x340
<b>Power:</b>	0.9KW	<b>Output:</b>	3PCS/MIN
<b>Voltage:</b>	110V/220V	<b>Size:</b>	490x550x1000mm

<b>Type:</b>	MATEE-500L	<b>Bag size:</b>	≤500x380
<b>Power:</b>	0.9KW	<b>Output:</b>	3PCS/MIN
<b>Voltage:</b>	110V/220V	<b>Size:</b>	580x650x1020mm

The vacuum packing machine automatically seals the packaging bag immediately after the bag is vacuum-filled, so as to reduce the residual gas in the bag, so as to inhibit the reproduction of bacteria and other microorganisms, avoid oxidative mildew and spoilage of items, and extend the storage time of items. Made of stainless steel, with reasonable structure, beautiful appearance, stable and durable, good air tightness, high sealing quality.

## Packing Series



### Double chamber vacuum packing machine

<b>Type:</b>	MATEE -500	<b>Weight:</b>	170KG
<b>Power:</b>	2.3KW	<b>Output:</b>	3PCS/MIN
<b>Voltage:</b>	380V/50HZ	<b>Size:</b>	1250x850x930mm
<b>Heat seal length:</b>	500mm		

The series double chamber vacuum packing machine has a vacuum, sealing, letting, a complete, function, with vacuum and heat sealing time, heat sealing temperate adjusting device, making it easy for users to choose and adjust, can also according to customer needs, equipped with pneumatic device, filling the nitrogen, carbon dioxide, oxygen and other single or two, three kinds of mixed gas with good preservation effect.



### Continuous vacuum packing machine

<b>Type:</b>	MATEE -1000	<b>Weight:</b>	500KG
<b>Power:</b>	7.5KW	<b>Output:</b>	6PCS/MIN
<b>Voltage:</b>	220V	<b>Size:</b>	1740x1360x1000mm
<b>Seal size:</b>	1000x8mm	<b>Vacuum rate:</b>	30L/S

Continuous vacuum packing machine is to put the packed goods on the conveyor belt, vacuum pumping, heat sealing and a series of actions are automatically completed. It is suitable for mass packaging production, with high packaging efficiency, energy saving, convenient maintenance, beautiful packaging, strong sealing and other advantages, made of 304 stainless steel, in line with the packaging health standards.





## Others



### Heating Kettles

<b>Type:</b>	MATEE -100L	<b>Output:</b>	50-1000L
<b>Power:</b>	22KW	<b>Size:</b>	750x750x1400mm
<b>Voltage:</b>	415V	<b>Volume:</b>	100L

With 380v electric power as the heat source, the electric heating mezzanine pot is widely used in the processing of sweets, pharmaceuticals, dairy products, wines, pastries, preserves, drinks, cans, bitters and other foods.



### Ribbon Blender

<b>Type:</b>	MATEE-C400	<b>Output:</b>	350KG/T
<b>Power:</b>	4.55KW	<b>Size:</b>	1903x706x1302mm
<b>Voltage:</b>	380V	<b>Volume:</b>	560L
<b>Weight:</b>	500KG	<b>Speed:</b>	50-75r/min

Mixer is a widely used equipment in the food industry. It is mainly used for mixing materials and has a good versatility for granular, powdery, mushy and oar materials. It is suitable for large, medium and small food processing plants.



### Metal Detector

<b>Type:</b>	JT-508	<b>Weight:</b>	280KG
<b>Power:</b>	220V/380V	<b>Size:</b>	1600x900x1050mm
<b>Material:</b>	SS 304	<b>Belt material :</b>	PU
<b>Speed:</b>	26ms/m	<b>Loadable weight:</b>	<25kg

## Blanchers

The continuous blanching machine integrates blanching and cooling functions and works with a steam generator, it is safe and reliable.

This machine has the functions of fast green removal, keeping the original natural color of fruits and vegetables. Through the blanching process, the activity of enzymes in fruits and vegetables is stopped, to maintain the unique fresh color of fruits and vegetables, emit the green odor of vegetables, retain the fragrance, enhance the softness of cells, and facilitate the evaporation of water.



### Conveyor Blancher

<b>Type:</b>	MATEE-VB-01	<b>Sterilizing :</b>	10-60Min
<b>Heating method:</b>	Steam	<b>Power:</b>	6kW
<b>Temperature:</b>	≤100°C	<b>Size:</b>	11000x1200x2000mm



### Shower Blancher

<b>Type:</b>	MATEE-VB-02	<b>Sterilizing :</b>	5-60Min
<b>Heating method:</b>	Steam	<b>Power:</b>	15kW
<b>Temperature:</b>	≤100°C	<b>Size:</b>	10000x1200x1400mm

Shower Blancher is suitable for vegetables, fruits, and aquatic products before quick-freezing and dehydration, and especially suitable for easily-damaged and long-stripe-like products



### Screw Blanchers

<b>Type:</b>	MATEE-VB-03	<b>Sterilizing :</b>	10-60Min
<b>Heating method:</b>	Steam	<b>Power:</b>	4kW
<b>Temperature:</b>	100°C or less	<b>Size:</b>	7135x1975x2260mm

The unit is composed of a belt feeding machine, a spiral floating ironing machine, and a cooling groove, and the speed is controlled by an electro-magnetic speed-regulating motor. Suitable for carrots, cabbage, pakchoi, taro seeds, green beans, broccoli, mushrooms, and other materials pre cooked Heating method is divided into steam heating, heat conduction oil heating two, selected by the customer.

## Mango Pulp Machines



### Destoner

<b>Type:</b>	MATEE-B2000	<b>Weight:</b>	500KG
<b>Power:</b>	10KW	<b>Output:</b>	1000KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	1900x1030x2180mm

The MATEE -B2000 This machine is suitable for beating stone fruit (mango, peach, apricot, etc.), berry (kiwi, strawberry) and kernel fruit (apple, pear, etc.), and removing residue. Its characteristics are: pulp, residue (peel, seed, nut) automatic separation, which can be combined in the production line for line work, but also for single production. All places in contact with the material are made of stainless steel and high quality edible rubber, with good corrosion resistance, no contamination of the material, ensuring food hygiene. The machine can change the beating speed and obtain satisfactory results by changing the screen of different specifications and adjusting the lead Angle of the scraper. This machine has the characteristics of simple operation, convenient cleaning, safety and sanitation, continuous feeding, wide range of application, etc. It is an ideal equipment for fruit and vegetable processing.



### Destoner

<b>Type:</b>	MATEE-B2000	<b>Weight:</b>	250KG
<b>Power:</b>	7.5KW	<b>Output:</b>	1000KG/H
<b>Voltage:</b>	-	<b>Size:</b>	1200x900x1500mm

Mango Destoner is researched and designed by our company according to abroad advanced technology. The traditional mango de-stoner machine in china cannot create a good effect on the separation of the stone and skin of the mango. But through the research and development by our engineer, now the stone and skin of mango will be separated perfectly with pulp by this machine. The mango pulp is transferred to the purpling machine after de-stoner. The de-stoner has the characteristic of high efficiency and larger capacity. That is the key equipment for the mango processing plant.



### Storage Tanks for Juice / Pulp

<b>Capacity:</b>	500 - 5000 Ltrs	<b>Application:</b>	Mixing/Blending
<b>MOC:</b>	SS304	<b>Industries:</b>	Fruit pulp plants,
<b>Types:</b>	Jacketed, Insulated		Juice plants, Milk plants

We are a Manufacturer, Supplier, and Exporter of SS liquid mixing tanks, Juice Mixing tanks, Pulp Mixing tanks, Jacketed tanks, Insulated tanks, and Stainless Steel Tanks for Beverages & Fruit Juice Processing Plants. These are specially designed for uniform and homogeneous mixing of viscous liquids. High-speed agitators for better mixing/blending or as per product requirements. Agitators for mixing/blending tanks designed as per product requirement.



## Tomato Ketchup

M&T has the expertise and knowledge of manufacturing and setting up plant and machinery for Tomato Processing Plant.

These plants are provided with a series of assembly line machines for blanching, pulping, processing of tomatoes for their puree and their final treatment for making ketchups. Packing lines can be offered depending upon the requirement like Product in glass bottles, Cans, Drums, etc. Manufacturing process involves most modern technology of vacuum evaporation systems.



### Vacuum Pan System

vacuum pan for Tomato puree concentration, tomato ketchup, fruit juice concentration, and mango puree concentration. Complete SS304/SS316 construction for optimum performance & best in-industry steam efficiency can be modified to be steam or electrically heated. A vacuum evaporator is suitable for concentrating fruit juices and other liquid foods. The equipment should consist of a vacuum pan, vapor separation system, condenser, vacuum pump (water seal with silencer) & other necessary accessories, and mountings.



### Heating Kettles

A jacket kettle is composed of a kettle, bracket, worm wheel and worm, etc. The kettle can revolve within 180°, the equipment is used for open concentration, mainly for decocting and concentration of liquid in industries of the pharmaceutical industry, food industry, chemical industry, light industry, etc.

## Tomato Ketchup



### Hot Breaking System

M&T Hot Break & Cold Break System process tomato puree or concentrates guarantying the pectin enzymatic inactivation in the final product. This process is critical and fundamental in any tomato processing system. The aim is to inactivate the pectin and avoid the syneresis phenomenon in the final product. Hot Break is recommended for high-viscosity products such as sauces, ketchup, puree, and others. Cold Break is recommended for tomato juice and low-viscosity sauces.



### Pulper cum Finisher

M&T Hot Break & Cold Break System process tomato puree or concentrates guarantying the pectin enzymatic inactivation in the final product. This process is critical and fundamental in any tomato processing system. The aim is to inactivate the pectin and avoid the syneresis phenomenon in the final product. Hot Break is recommended for high-viscosity products such as sauces, ketchup, puree, and others. Cold Break is recommended for tomato juice and low-viscosity sauces.



## Ginger and Garlic Processing



### Ginger Paste Making Machine

<b>Type:</b>	MATEE-100	<b>Weight:</b>	150KG
<b>Power:</b>	3hP	<b>Output:</b>	100KG/H
<b>Voltage:</b>	220V/380V	<b>Size:</b>	800x380x1000mm

An automatic Ginger Paste Making Machine is used to grind the ginger slice into paste or granules or mud-like. It can be used for garlic, ginger, onion, spinach, lotus roots, potato.



### Garlic Bulb Breaking Machine

<b>Type:</b>	MATEE-100	<b>Output:</b>	800-1000KG/H
<b>Power:</b>	2000W	<b>Weight:</b>	80KG
<b>Voltage:</b>	220v/380v/50hz	<b>Size:</b>	950x850x1360mm

The bulb type vegetable cutting machine can cut radish, potato, sweet potato, taro, onion, eggplant, apple and many other melon fruit splices/shred/diced, such as potato chips, shredded radish, thickness size specifications can be customized. Multi-purpose equipment, high output, easy to replace the cutter disc, simple operation, single easy to clean, suitable for food processing plants, catering distribution center use.



### Garlic Peeling Machine

<b>Type:</b>	MATEE-100	<b>Weight:</b>	70KG
<b>Power:</b>	0.1-2KW	<b>Output:</b>	100KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	650x630x1500mm

The garlic peeling machine is composed of a drying and heating tank and a peeling bucket. No water soaking, no cutting, no wear design, dry peeling through air flow, high integrity of garlic.





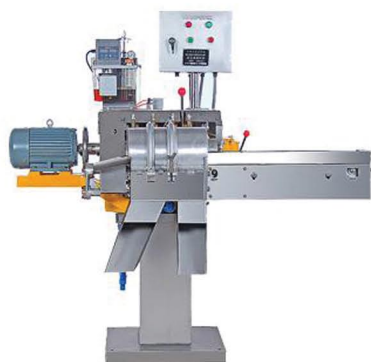
## Green Peas & Sweet Corn Processing



Corn Dehusking Machine

<b>Type:</b>	MATEE -500	<b>Weight:</b>	100KG
<b>Power:</b>	2.2KW	<b>Output:</b>	300-400KG/H
<b>Voltage:</b>	220V	<b>Size:</b>	630x620x1250mm

Corn thresher is made of 304 stainless steel, which is durable and can adapt to humid environment. The threshed corn kernels are widely used in pasta, cakes, drinks and other foods, suitable for processing plants.



Corn Thresher

<b>Type:</b>	MATEE -1000	<b>Weight:</b>	580KG
<b>Power:</b>	1.5KW	<b>Output:</b>	500-800KG/H
<b>Voltage:</b>	220V/415V	<b>Size:</b>	1650x840x1580mm

This machine adopts corn cob cutting technology, which has high threshing efficiency, good effect, simple operation and convenient cleaning. The threshed corn grains are widely used in pasta, cakes, drinks and other foods.



Green Peas Depodding Machine

<b>Type:</b>	MATEE -1000	<b>Weight:</b>	
<b>Power:</b>	5.5KW	<b>Output:</b>	500-KG/H
<b>Voltage:</b>		<b>Size:</b>	2600x1700x2200mm

This machine is suitable for shucking green peas, it's a necessary machine in the frozen pea processing line and fried pea processing lines. This machine usually works with a winnowing separator, material feeder, pod and kernel separator, and vibration sieve.



## Size Grading Machines



### Rope Grading Machine

Rope Grading Machine is suitable for sorting round fruits and vegetables such as citrus, navel orange, apple, potato, onion, etc. The machine works by controlling the diameter size of the gap to a small fruit sorting grade size, diameter size from small to large.



### Weight Grading Machine

This fruit sorting machine is mainly used for apple, mango, pear, dragon fruit, orange, peach, kiwi fruit, and guava, etc round shapes of fruit and vegetable sorting and grading. This machine is to sort the fruit by fruit weight. Reasonable structure design, high sorting speed, low broken rate.



## Size Grading Machines

M&T can even deliver a customized solution that perfectly fits the existing production line or deliver a complete new production line.

Our Size Grading Machines are used to sort and grade the fruits and vegetables according to the weight. It can sort fruits and vegetables quickly, efficiency and the sorting grade is adjustable. The Size Grading Machines is now the first automatic fruit sorting machine in India, which can feed fruits and vegetables to the machine automatically, greatly saving the labor.



Vertical Lift Roller Size Grading Machine

Vertical Lift Roller Grading Machine is a special design for sorting and grading vegetables/fruit according to their size. It can feed vegetables to the machine automatically. This device has combined lifting, and sorting two parts. It uses roll bar conveyor to transport fruit/vegetables.



Wyma Grading Machine (Lift Roller Sizer)

The Lift Roller Sizer separates your produce into multiple sizes. It is the most accurate roller sizer on the market. Ramps run at a speed suitable to meet the required throughput and allow sufficient time for product to turn and be accurately sized.

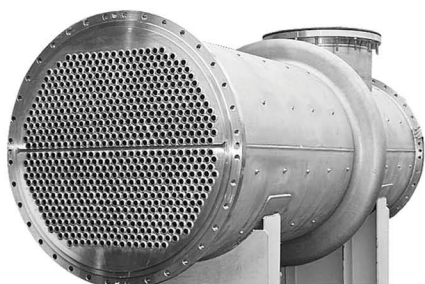


Roller Size Grading Machine

Whatever vegetable you are looking to grade, we are confident that we will have a grading machine that meets your needs. M&T offers the complete solution to your potato grading & handling needs. We are one of the world's leading manufacturers of quality Roller Size Grading Machines.



## Pasteurization



### Tube and Tube Heat Exchangers

Cooling/heating of injection water. The injection water point cooling. Cooling/heating of pharmaceutical products. Clean steam condensing and cooling. High clean liquid temperature control. Applicable process points: suitable for pharmaceutical injection water, purified water, water injection, and other working conditions, such as medicine heating, cooling, water heating cooling, etc. Pasteurization, hot water sterilization, etc.



### Plate Heat Exchangers

Mainly consist of a panel, heat exchanger rubber, fixed pressure plate, movable pressure plate, upper/lower guide rods, struts, clamping screw components, rolling parts, pipes, etc. Each plate is provided with a gasket, which seals the flow gaps between the atmosphere and the media from one. The plate package is mounted in a rack consisting of a fixed number of plates. Pure counterflow is employed to achieve the maximum possible heat transfer.



### Pulp Pasteurizer

Suitable for heating and pasteurization of liquids (tomato and fruit juice). It is made up of tube-in-tube spiral flow pipes for steam and products. Steam at the inlet with a pneumatic valve controlled by a temperature indicator. It is possible to adjust the temperature from 50° to 150°C. The sterilization plant heats the juice to the sterilization temperature, keep it in hold up to the required time, and cools it up to the filling temperature. Materials in contact with liquids are in AISI 316 stainless steel.



### Heating Kettles

With 380v electric power as the heat source, the electric heating mezzanine pot is widely used in the processing of sweets, pharmaceuticals, dairy products, wines, pastries, preserves, drinks, cans, bitters and other foods.

## Powder Plant & Machinery

M&T is a enterprise, which is specializing in the research, and manufacture of Powder Plant & Machinery and so on.

Our company has already formed a full set of modern production line, equipped with intelligent and standardized testing, controlling laboratories, and owned a professional team of R & D, production, sales and service. We ensure that all the products that we offer to our clients are precisely manufactured using raw material and parts, which are stringently sourced from vendors, who has gained reputer for offering superior and quality approved material.

### Cyclone Pulverisers



In the commercial pre-food preparation process, a cyclone pulverizer, also known as a chili cutter, is employed. Before grinding the spices, chillies, turmeric, etc., it is advised to crush them in this chili-cutting cyclone pulverizer to break them into a coarse powder. This allows the flour mill to process them into fine powder.

### Hammer Mills



Our hammer mills are high-precision machines for grinding solid and hard granules. Our hammer mills guarantee uniform grinding, noiseless operation, and less heat buildup in all pharmaceutical processes. Whether you need standard or customized hammer mills, SaintyCo offers many series for specialized shredding applications.





## Powder Plant & Machinery



### Vibro Shifters

The Vibro Sifter machine works on the principle of gyratory vibrations. The material is separated based on its particle size. Once the motor gets energized, vibration is caused in the screen/sieve making the material travel across the sieves according to its particle size.



### Ribbon Blender

Mixer is a widely used equipment in the food industry. It is mainly used for mixing materials and has a good versatility for granular, powdery, mushy and oar materials. It is suitable for large, medium and small food processing plants.



### Dry & Wet Pulverisers

Wet & Dry Pulverizer with Double Chamber is perfect for restaurants, bakeries, and other commercial food environments. Our pulverizer is made of food-grade stainless steel for superior strength and durability, making it the ideal tool for grinding grains, nuts, spices, and more. Our pulverizer has impressive and perfect for high-volume production.





## CIP & COP



### Single Tank CIP System

Many processes require a single-tank, single-use Clean-in-Place (CIP) system. These are typically designed to minimize the risk of cross-contamination, optimize the solution concentration for each cycle or maintain portability through a smaller footprint. This lower initial capital investment option provides simple and flexible once-through or re-circulated wash cycles.



### Double Tank CIP System

Many food processing facilities have limited water utilities. They must recover and reuse wash solutions to be efficient, cost-effective, and sustainable. With a two-tank CIP system, the detergent wash can be reused to provide water savings and faster wash cycle times due to the recovered solution that is already heated and charged with the chemical.



### Triple Tank CIP System

Multi-tank CIP Systems are ideal for processes that require frequent cleaning, operational efficiencies, and sustainable solutions, as well as when cross-contamination is not a critical concern. A multi-tank CIP system maintains a rinse tank, holding tank, and solution tank allowing the recovery and reuse of both the wash solution and rinse water for the next cleaning cycle.



### COP Machine

It could replace labor-intensive and unreliable manual cleaning, each washer comes with a specially designed spray manifold that generates consistent and high-velocity turbulence to clean away residue from pipe lines, hoses, and other spare parts. It generates consistent and high-velocity vertical and horizontal jet flow, which is an ideal cleaning method for pipe lines and hoses.



**M&T ENGINEERING EQUIPEMENTS** is a Pioneer manufacturer of Fisheries, Dairy, Pharma and all types of food processing equipment in India.

M&T ENGINEERING EQUIPEMENTS is can handle a wide range of Turnkey projects, and we manufacture guaranteed equipment with all test certificates along with test reports for all of our products.

We are able to meet the needs of our customers as a result of the continuous efforts we make to enhance our products. The majority of emerging, developing, and developed nations around the world are the recipients of our high-quality products.

At certain we believe in providing reliable service and support at all the times. We expect to be your long-term partner in growth. We trust that our products will prove to be beneficial to you in many ways. So we humbly request you to favor us the honor of being on your list of suppliers so that we can serve you. Assuring you our best attentions & hoping your earliest reply.

M&T ENGINEERING is offering:

- Integrated Pack houses- All fruit and vegetables.
- Cut Vegetable processing line- Frozen/Fresh Cut.
- Dehydration Plants- Onion/Other fruit and vegetables.
- Pulp Processing Line- Mango/Tomato/Guava.
- RTS Lines.
- Ketchup/Sauce Lines.
- Dairy Plant- Complete turnkey Basis- All capacities.
- RMRD Lines.
- Storage Tank- HMST/VMST, Regular Pulp Tanks.
- Crate Washers- Dairy/Pharma/Fisheries/Automobile.
- Can Washer- from 100 Cans to 600 Can's.
- Pallet Washers.
- Material Handling Conveyors- All types (Modular/PVC/Bucket).
- Cooking Kettles- Commercial Kitchen Kettles.
- Fisheries- Filth Washer, Grading Machines, Conveyors, IQF's.



**M&T ENGINEERING EQUIPEMENTS**

[www.mandtprojects.com](http://www.mandtprojects.com)





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