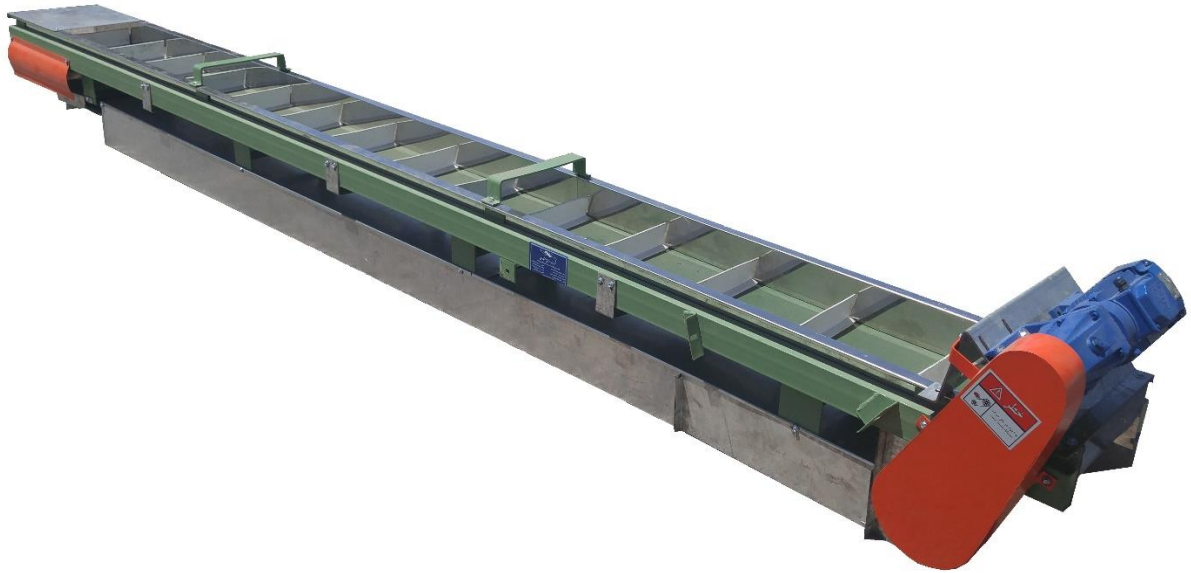


Rubber Elevator



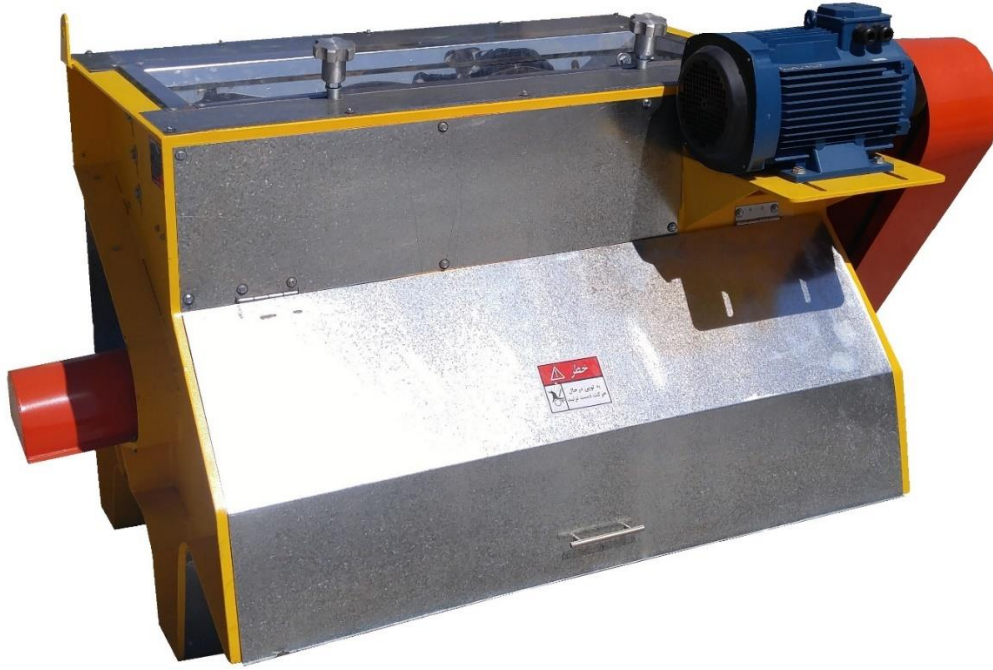
This machine is used for transferring pistachio in processing line. The small bagged model uses for elevated fresh pistachio from orchard and another one is used for elevated hulled pistachio between two machines.

Bunch Removing



This machine is used for removing bunches from the fresh product. The product which comes from the orchard is usually in bunches, so this machine is necessary for removing bunches and sticks from the main product. The output of this machine will enter the hulling machine. In the next stage for a 6 ton model the hull and small bunches are removed by a helical drum. This helical drum also moves the product forward while removing the trash from it.

Pistachio Hulling Machine (Kargadan model)



This machine is used for hulling the fresh product. The principle is that by hitting the product with some bolts, fasten to a drum, the product's hull will be removed. This machine is rougher than a rubber hulling machine so it can be used for hulling the stick tight pistachios. A percentage of kernel in the output is normal.

Pistachio Hulling Machine



This machine is used for hulling the fresh product. The principle is that by rubbing the product between two rubber drums, with different speeds, the product's hull will be removed. In the next stage of this machine the hull and small bunches are removed by a helical drum. This helical drum also moves the product forward while removing the trash from it.

Belt Conveyor



This machine is used for transferring a product and sometimes to elevate a product in a light slope. It is offered in different lengths with an adjustable leg or a fixed leg.

Air Leg



Air Leg for fresh pistachio



Air Leg for dry pistachio

The main function of this machine is to remove the blank pistachio and trash from the heavy ones with the help of Air. The blank pistachio will be floated and exited from the side of the machine. The heavy and good product will be out from the other side of machine.

Hulling Unripen Pistachio



After the product exits the hulling system, there is some unripen pistachio and they must be peeled so they will be entering the hulling unripen machine to be hulled them. The pistachio is peeled with screw and water.

Washing System



After the product exits the hulling system, it will enter the washing system to be washed. While being washed small bits of hull will be also removed from the product. This machine is design so it can reduce the water consumption. For this purpose, a Helical drum is used, while the product is washed with some sprayers it is moved forward and also stirred so the washing efficiency increases.

Pre - Drier



This machine is used for pre-drying the product which has been washed before and the water absorbed will be evaporated here. Because the time is short it will not dry the product completely.

The hot air needed is produced by a heat exchanger which works with gas or diesel. This machine is offered in two capacities. The most important point in this machine is that the product is continuously mixed and stirred, so we will have a very homogenous pre-dried product. The entire contact surface in this machine is made from stainless steel and poly amid.

Heat Exchanger



Indirect heat exchanger

This machine produces hot air, and is used in several processing machines such as pre- Dryer, Dryer, Roasting line.

Heat exchanger works with natural Gas or Diesel. This machine is offered in two capacities

- 1- 250/000 kcal/h,
- 2- 300/000 kcal/h

The heat produced by a Burner is converted and carried out by a fan.

The output temperature is adjustable by a thermostat.



Direct heat exchanger

Stick tight Separator



This machine separates hulled pistachios from unhulled pistachios. Pistachios are separated in this machine by the difference in their friction.

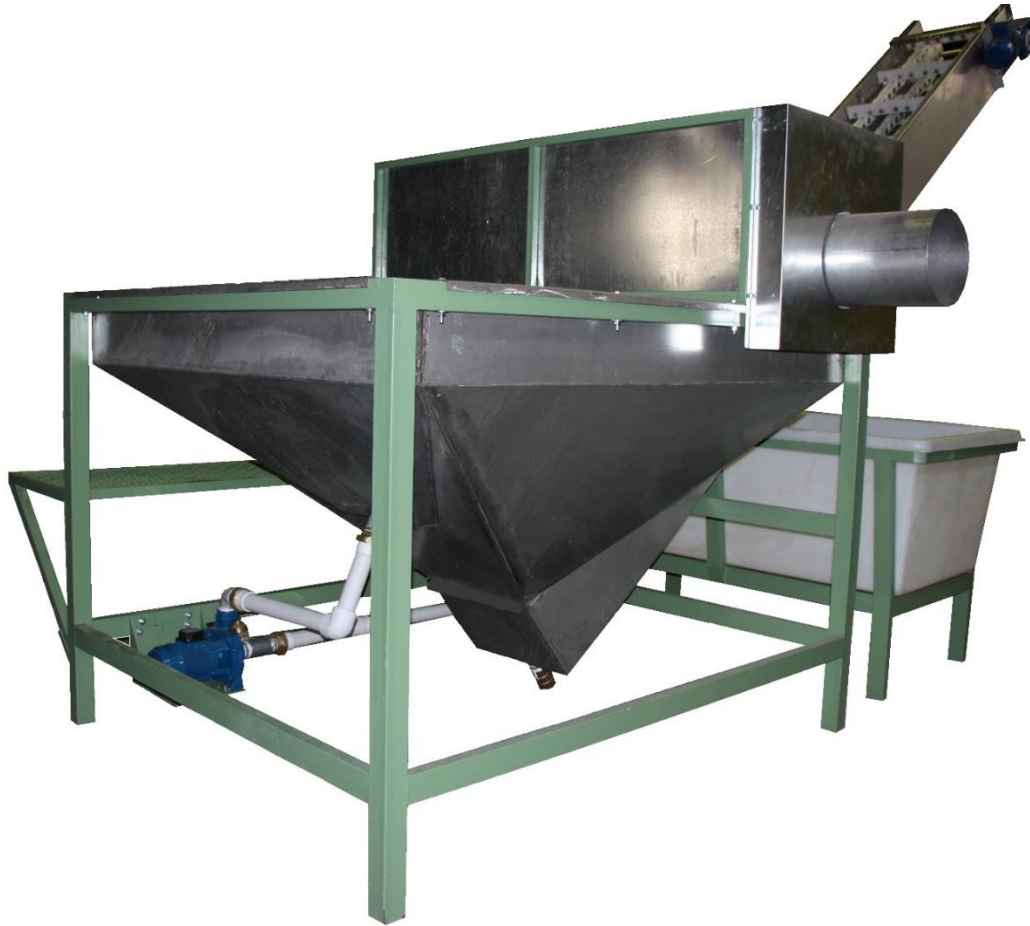
This machine is offered in different types and capacities.

Air Flow Float Tank



The main function of this machine is to remove the light and blank pistachio from the heavy ones with the help of Air. The blank pistachio will be floated and exited from the side of the machine. the heavy and good product will be out from the end machine. Also, this machine separates tiny pistachio, dust and trash from good pistachio.

Water Floating Tank



After the product exits washing system, it enters this machine and the output goes to the pre-drier. The main function of this machine is to remove the light products from the heavy ones with the help of water. The light product will float on top of water and will exit from the side of the machine with the help of screw conveyor, but the heavy and good product will be taken out from the bottom of the tank with the help of a polyethylene chain conveyor.

Picking Table



This machine is used in end of pistachio processing line. And some workers sit down side of a wide belt for separating unsuitable pistachio from good pistachio.

Z Shape- Bucket Elevator



This machine is used for elevating a product. This machine does not take a lot of space. Other conventional elevators take a lot space for elevating. With the help of hygienic buckets, the product can be lifted upward to 9 meters.

Drier



This machine is used to dry the fresh product completely. The system used in this drier is a complete-discharging system. The hot air needed for drying and it is produced by a heat exchanger which works with gas or diesel.

The most important point in this machine is that the product is continuously mixed and stirred, so we will have a very homogenous dried product.

The entire contact surface in this machine is made of stainless steel and poly amid and the speed is adjustable.

Vibrator



This machine is used for transferring pistachio in different position. And it will be used for transferring pistachio uniformly.

Screen Size Separator



This machine used for separating different size pistachio from each other. This machine separated pistachios in different size with using different perforated plate and the pistachios move to forward by vibration.

Split Separator



This machine is used for separating open mouth pistachios from close mouths. This machine includes a big rotating cylinder that some special needle belts installed in it. While feeding the drum, the open mouth pistachios are carried on by the needles and then fall in a belt conveyor by a brush but the closed pistachio because they cannot be caught by needles, they will go out of the end of machine.