

SOFT DRINKS AND FRUIT JUICE PROCESS



Help Keep Your Food Processing Facility **CLEAN, SAFE** and **EFFICIENT**

We offer

Strategies of saving your time

FULLY AUTOMATIC RINSING FILLING AND CAPPING MACHINE



AE Model, 3-in-1 filling mono-block, combined with rinsing, filling and capping. It is innovated and designed in the requirement of milk, natural juice, synthetic juice, carbonated drink, pure water and mineral water, on the bases of introducing, digesting and absorbing advanced technology. Filling Machines offered are made available by us in world class design standards that meet the filling needs of PET bottles. With the machines finding application in different industry sectors, the precision construction standards of the systems assist in ensuring these matches up with the specific process needs at client's end.

BEVERAGE PROCECING EQUIPMENT

Fruit juice are made from fruit pulp/concentrate artificial sugar may or may not be added to the juice extracted.

The sugar syrup is prepared first in jacketed mixing tank and then it is mixed with fruit pulp, water along with other ingredients like flavor, color, preservatives etc. in the other mixing tank.

This mixture is pasteurized to removed any microbial growth from it and later on homogenized to prepare a uniform blend of juice.



PASTEURIZATION OF PACKAGED FOODS



Tunnel Pasteurisation is one of the most common methods for increasing the shelf life of pre-packaged food and drink. It is important to ensure that the product is exposed to the correct temperatures for the correct amount of time to ensure microbiological stability without degradation in the taste of the product. The measurement of P.Us and therefore the usage of a P.U. Monitor is mainly during the pasteurisation of beer, cider, fruit juices, milk and soft drinks.

BLENDER



Blender is compact, it consists of a centrifugal puma with a ventury system at the suction side and a hopper with a butterfly valve at the upper part to add solid media to the pumped liquid. Depression is created at the base of the hopper due to the ventury and suction systems of the pump.

HOMOGENIZER



The homogenizer is often necessary to mix one or more subs pended in the fluid, so that the product becomes highly stable, no matter the followings treatments and stockings within a liquid. This device allows to micronize and scatters the particles the products may undergo. The product arrive to the homogenizing valve at low speed

and at high pressure. During the passage the product is subjected to numerous forces which case the particles mercerization a violent acceleration followed by an immediate deceleration that produce capitation and then the globules explosion. Strong turbulence united to high frequency vibrations. Collision cutting strengths derived from the laminar passage between the homogenizing valve surfaces and the following impact with the collision ring.

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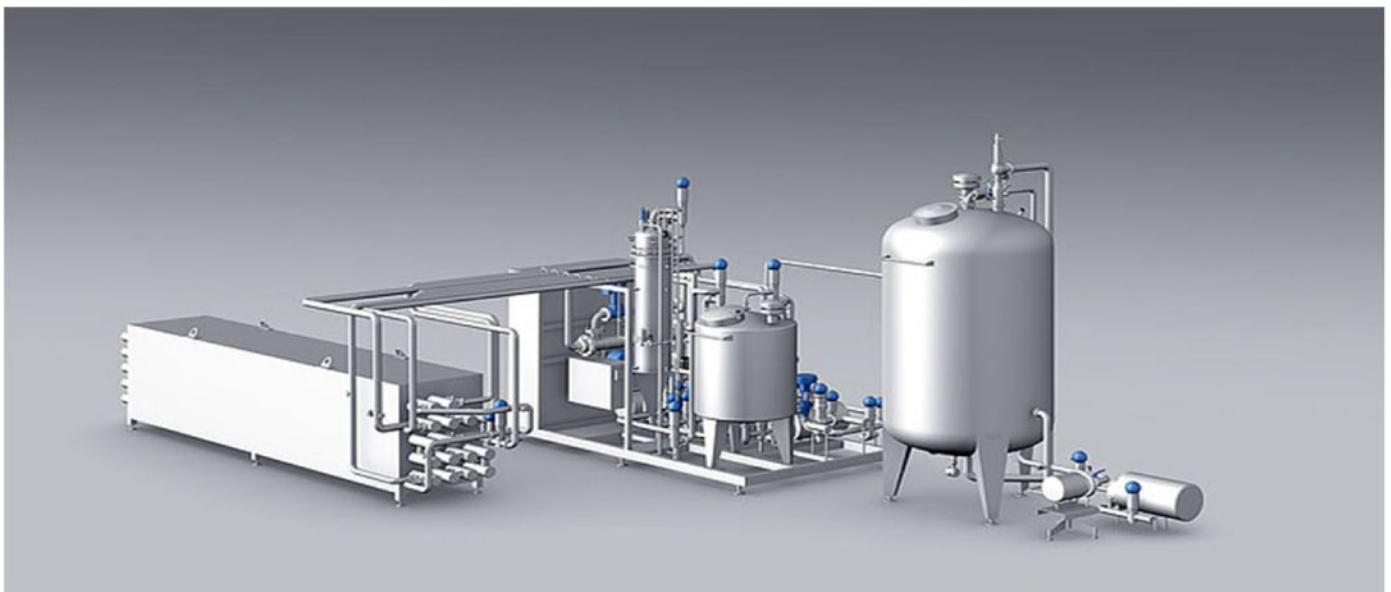
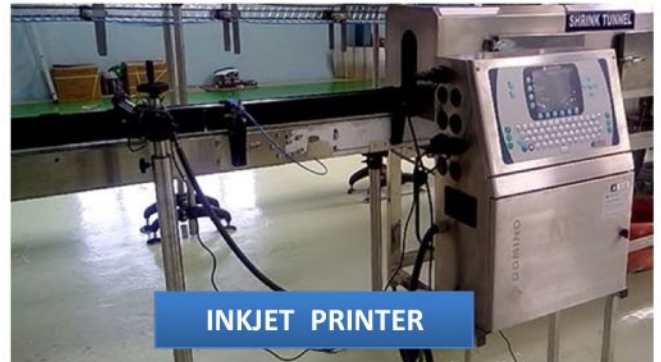
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KEY SPECIFICATIONS/ SPECIAL FEATURES:

We provide turnkey project for beverage filling line, which it is juice/pulp, milk, drinking water, juice and others.

❖ WATER TREATMENT SYSTEM

- Raw water-raw water tank, raw water high pressure pump, multi medium filter (quartz sand filter), active carbon filter, sodium ion exchanger, water pump, precision filter, RO device, ozone device, pure water tank.
- Supply water for juice blending tank and washing-filling-capping units

❖ JUICE PREPARATION MAKE TREATMENT SYSTEM

Sugar melting tank, sugar filter, juice blending tank, juice homogenizer, vacuum de aerator, storage tank, UHT ultrahigh temperature instant sterilizer, heating and cooling tank

❖ FILLING AND PACKING LINE

Bottle blowing machine, bottle unscramble, air conveyor, auto washing – bottling – capping (monoblock 3in1 machine) machine , inverted bottle sterilizer, bottle cooling machine, jet printer, auto hot shrinking labeling machine, hot shrinking label tunnel, auto film shrink wrapping packager, stacker by worker

❖ THE LINE INCLUDING

- Bottle blow molding machine
- Bottle unscramble
- Water treatment plant
- Beverage processing system
- Air conveyor
- Filling machine with rinsing, filling and capping
- Lamp inspection
- Bottle drier
- Ink jet printer
- Labeling machine
- Shrinking machine
- Conveyor system
- Cooling tunnel and bottle warmer tunnel



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