



GINGER-GARLIC JUICE/PASTE MAKING PLANT

Your Trusted Partner for Consultancy and Turnkey Project Execution



COMPANY OVERVIEW

Salvin Industries is a leading engineering, technology and consulting conglomerate, working closely with diversified industries spanning across food processing, agriculture, plastics, chemicals, metals healthcare, packaging, Dealer, distributor, super stocks, marketing plan, product analysis and other industries and business sectors offering complete turn-key solutions including advanced engineering, Industry 4.0 solutions, digital transformation and expert technical and management consultancy. With 10+ years of experience and global presence in 8+ countries, Salvin Industries is serving from the most demanding to the most distant customers across the globe. We empower them for rewriting their future with our depths of knowledge, unique ideas, technical expertise, creative solutions and enduring results, all at the most optimal costs, right at their doorsteps.

Armed with the eminence in technological expertise, global capabilities and a process driven approach, we have the ability to take on any challenging project. Crossing the geographical borders & cultures and living up to our core values Excellence, Respect, Care & Joy, we propel innovation to engineer solutions that build & foster equality. Working together as one team with all our business partners & associates, we are transforming industries, fueling economies, developing sustainable solutions and thereby elevating societies, globally. We realize the need to respond to the dynamism & speed with which the world is changing all around us and understand the need to anticipate

GINGER GARLIC

JUICE/PASTE MAKING PLANT

Garlic and ginger paste are known for their health benefits, because they have anti-inflammatory and antioxidant properties, health-promoting effect and offer disease-prevention benefits, more and more family use the paste as one healthy cooking ingredient in South Asia and East Asia countries.

This ginger and garlic paste production line is not only suitable for processing fresh ginger and garlic into paste, but also can process onion and other similar vegetables into paste, sauce or juice.

The ginger and garlic paste machine includes garlic cloves separating machine, garlic peeling machine, ginger and garlic washing and sorting machine, ginger and garlic paste grinding/milling machine, ginger and garlic paste mixing tank machine, ginger and garlic paste homogenizing, degassing and sterilizing machine, ginger and garlic paste filling machine and packing machine, CIP system, RO water treatment system, ingredient adding system.



All ginger and garlic equipment operation is controlled by PLC, linked to start and stop, efficient operation and low failure rate.

All the machine is made of SUS304 material, and equipped with CIP system to make sure the production process is sanitary and producing high-quality products.

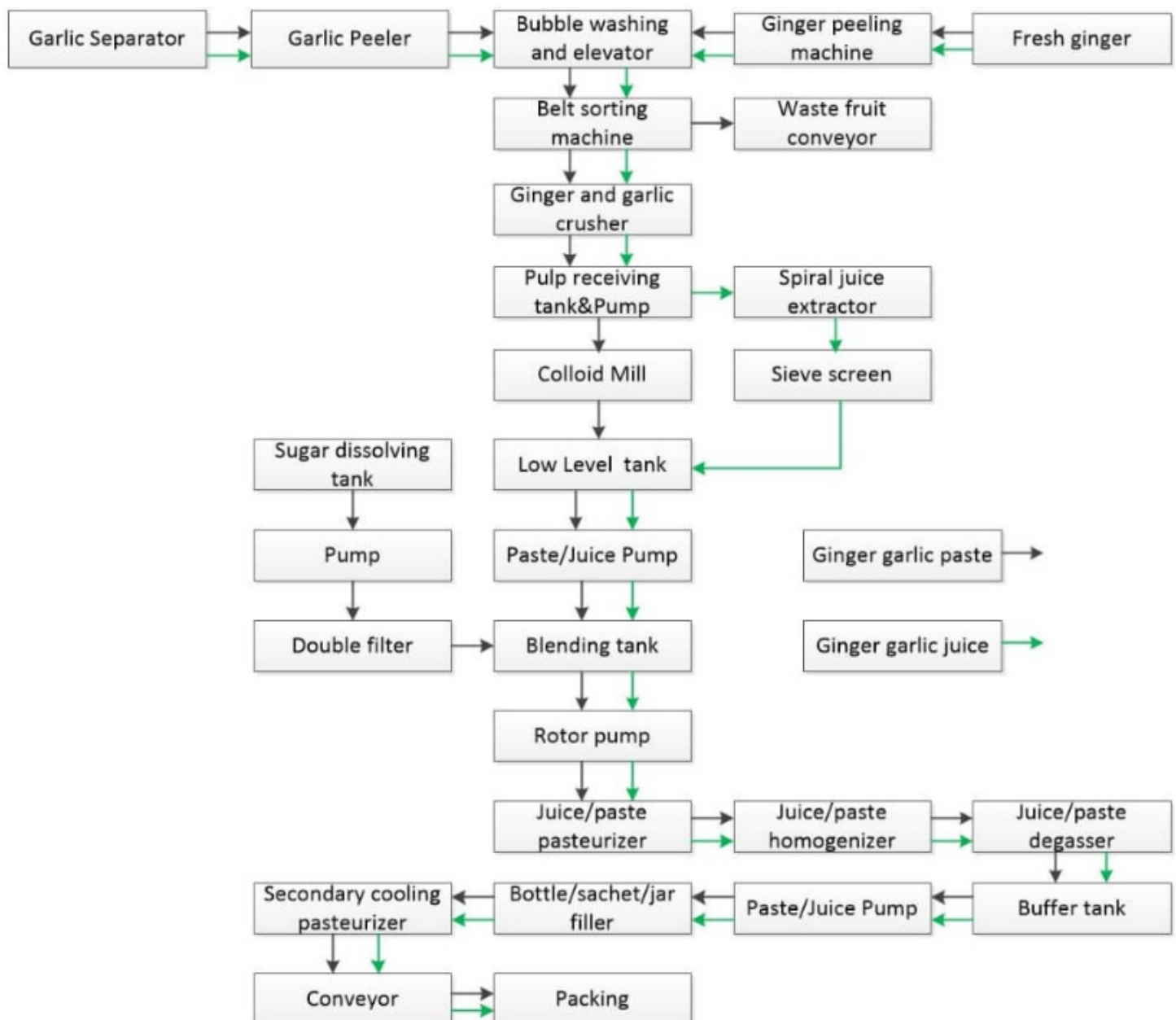
The end products can be garlic and ginger paste, or garlic and ginger juice, filled into bottles, glass jars, pouches, tin cans and sachets. And the capacity of the processing line is from 500kg/h-5000kg/h.

As a health drink, ginger juice can promote digestion, drive away cold, relieve pain, control blood pressure, and promote hair growth.

GINGER GARLIC PRODUCTION

LINE TECHNOLOGICAL FLOWCHART

Fresh ginger and garlic after peeling, then washing sorting, and after that the use one colloid mill to grind to get the paste. After that, the ginger and garlic paste will be mixed with other ingredients and flavors, then after homogenizing, degassing and sterilizing, finally, the end products will be filled into jars, bottles or other consumable containers.



GINGER GARLIC JUICE/PASTE MAKING PLANT

THE PROCESS

Garlic Separator

The garlic splitting machine uses a soft roller that meets the quality assurance standard to simulate the hand peeling action, so that the garlic bulb can achieve the peeling effect, and the gap of the rubber wheel can be adjusted. The size of the garlic bulb can be used, and the garlic flap is not damaged. The advantage of high peeling rate. The device is easy to operate, and the built-in fan. garlic skin and garlic clove are automatically separated, and one person can operate. It is characterized by practicality, power saving, high production efficiency, easy maintenance and cleaning, and low failure rate.



Garlic peeling machine

The garlic peeling machine adopts the pneumatic principle to process the garlic after separation without any damage. The garlic flap can be peeled off without being soaked in water. In the case of dry garlic, the peeling rate can reach more than 95%. Garlic is automatically separated.

Ginger peeling & washing machine

The rhizome brush cleaning machine is suitable for cleaning and peeling ginger. The whole machine is made of SUS304 stainless steel and equipped with a hard peeling brush, which can fully contact the ginger and the brush to achieve a complete peeling effect. The brush is adjustable in forward and reverse rotation, easy to disassemble, and easy to maintain.



GINGER GARLIC JUICE/PASTE MAKING PLANT

THE PROCESS

Air bubble washing

The air bubble washing machine is suitable for washing garlic, ginger and onion, the main structure with SUS 304 stainless steel with 3mm thickness. Air blower with high power, feeding the air from the bottom, perforated stainless steel baffle plate separates the fruit from dirt. After washing, the ginger and garlic will be transferred to the next station by the SUS304 mesh belt scrape elevator and dried by the air-blowing dryer machines, and after that, the surface of the ginger and garlic will be dried by the high-pressure air.



paste making machine



This colloid mill is a mechanical grinding process for fluid and semi-liquid materials such as ginger, garlic, almond, sesame to make paste. It has the function of micro-grinding, dispersing, emulsifying and mixing. After the material is processed by the grinding, the particle size can reach 2-50 microns and the homogeneity can reach 95%. It is an ideal equipment for micro-machining.

juice making machine

The ginger and garlic juice making machine can use spiral juice extractor or belt press to obtain the juice. The juice yield rate is about 50%-75%, the bottom diameter of the screw gradually increases along the slag outlet direction and the pitch of the screw gradually decreases. When the ginger is pushed by the screw, the volume of the screw cavity is reduced, forming a squeeze force of the ginger or garlic to obtain the juice



GINGER GARLIC JUICE/PASTE MAKING PLANT

THE PROCESS

paste/juice paste/juice mixing tank

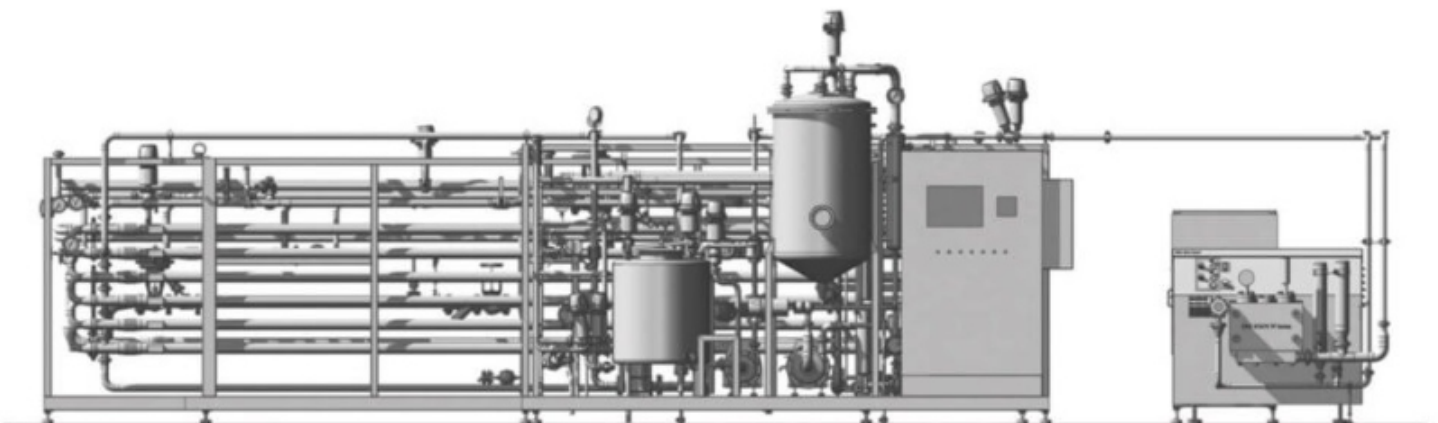
When preparing the garlic paste, all the ingredients like ginger, garlic, water, oil, vinegar, salt, lemon juice, etc. will be blended together in this blending tank, and the blending tank is equipped with stir with 20-100rpm, under the action of rapid stirring, these materials are fully mixed to make a delicious and edible garlic sauce.

When making ginger juice products, water, flavor agents, and sugar will be added to the ginger juice to make it into RTD ginger juice.



homogenizer, degasser homogenizer, degasser and sterilizer

The high-pressure homogenizer can make the ginger and garlic paste/juice smooth and better flavor, uniform, emulsify and disperse. The vacuum deaerator can remove the peculiar smell and air in the ginger garlic paste/juice, so that the garlic paste has a longer shelf life. Ginger garlic paste use tubular pasteurizer to do the heat treatment, and after the material filling into containers (sachets, bottles, jars), then use the retort sterilizer or pasteurizing cooling tunnel to do the secondary pasteurizing, and the garlic ginger pasteurizing technological flowchart is 89°C inlet, heating to 95°C by hot water or steam holding for 15 minutes, then cooling down to the 30°C for packing.



GINGER GARLIC JUICE/PASTE MAKING PLANT

THE PROCESS

~~paste/juice~~ **paste/juice filling machine**

Ginger garlic paste can be hot-filled into bottles, sachets or jars, and the filling machine is the piston type; Ginger garlic juice is hot filling into bottles, the filling machine can use the gravity filling machine. All the ginger garlic paste or juice after filling, need to do secondary pasteurizing to get a long shelf life of the end products.





LET'S WORK TOGETHER



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