

AMISY MACHINERY

Tomato Paste Production Line



Tomato Paste Production Line Introduction

With advanced technology and elaborate workmanship, we provide turnkey projects for tomato paste production. The handling capacity of the tomato paste production line is 1-2 tons per hour. Based on your requirements, we can provide on site installation, commissioning and training service for you. With reasonable design and low energy consumption, our tomato processing equipment is your cost-effective choice.

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Advantages of Tomato Paste Processing Line

1. Fruit washing machine features high cleanliness, saving energy and water, stable and reliable performance.
2. Spraying device, collection channel, and waste conveyor can be designed for the roller sorting machine.
3. Insulating layer can be designed for the tubular preheater and tubular sterilizer.
4. Various mesh size optional for the fruit pulping machine in the tomato processing plant.
5. Concentrator features small size, simple structure, convenient operation, cleaning and maintenance.

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Working Flow of Tomato Paste Production Line

Fresh Tomato → Tomato Washing → Tomato Sorting → Breaking →
Preheating → Tomato Pulping → Vacuum Concentration → Paste
Sterilization → Finished Tomato Paste

Main Equipment in Tomato Paste Processing Plant

1. [Surfing type washing machine](#)

Tomatoes are washed by high pressure water in the fruit washing machine. Scraper elevator conveys the cleaned tomatoes to the next procedure.

2. Roller sorting machine

Cleaned fruits enter into the machine from the feeding hopper, and rotate forward toward the outlet. Workers pick out the unqualified tomatoes to ensure the quality of the end product.

3. Broken Pump

Used for conveying and crushing of tomatoes, preparing for pre-heating and pulping.

4. Tubular Preheater

Tubular preheater increases the temperature of the pulp by steam

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heating, so that to soften the pulp and deactivate the enzymes.

5. Single-channel Pulping Machine

Single-channel pulping machine is used for automatic separation of pulp and residue from the crushed and preheated tomatoes. The material from the last procedure enters into the machine through the feed inlet, and spirals toward the outlet along the cylinder. By centrifugal force, the material is pulped. The pulp passes through the sieve and is sent to the next procedure, while the skin and seeds are discharged through the residue outlet, achieving the aim of automatic separation. The pulping speed can be changed by changing the sieve and adjusting the lead angle of the scraper.

6. Vacuum Concentrating Boiler

This equipment is used for vacuum concentration of tomato pulp under low temperature. Steam is fed into the jacket at the lower part of the boiler, making the material under vacuum boil and evaporate. Blender in the boiler helps strengthen the flowing of the material.

7. Tubular Sterilizer

Tubular sterilizer increases the temperature of the concentrate by steam heating, achieving the aim of sterilization.

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**Tubular Preheater and
Sterilizer**



**Single-channel
Pulping Machine**



**Vacuum
Concentration
Boiler**

Technical Parameters of Tomato Paste Production Line

Name	Model	Power	Dimension
Surfing Type Washing Machine	CXJ-2	1.47 kw	2300 * 910 * 1600 mm
Roller Sorting Machine	GXJ-2	0.37 kw	3000 * 700 * 900 mm
Broken Pump	TGF40-1 A	3 kw	1710 * 380 * 340 mm
Tubular Preheater	YR-2	/	1405 * 615 * 1250 mm
Single-channel Pulping Machine	DJ1-2.5	4 kw	1450 * 770 * 1523 mm

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Temporary Storage Tank	300L	/	1200 * 650 * 650 mm
Vacuum Concentrating Boiler	JNS-100 0	9 kw	2800 * 2100 * 4410 m m
Screw Pump	GF40-1A	3 kw	1500 * 380 * 315 mm
Tubular Sterilizer	SJ-2	/	1405 * 615 * 1250 m m
Finished Product Tank	300L	/	700 * 700 * 1250 mm