

# CONCENTRATED FRUIT AND VEGETABLE JUICE/JAM PRODUCTION EQUIPMENT

## 浓缩果蔬汁果酱加工设备

### 番茄酱生产线-----从新鲜番茄开始到5-220L无菌大袋灌装

#### Tomato paste processing line---from fresh tomato until 5-220L aseptic filling

#### 系统介绍

上海嘉迪引进意大利番茄酱加工设备的设计理念和工艺技术，结合本公司从事食品机械行业30多年的宝贵经验，自主开发制造了浓缩蒸发器、套管式杀菌机、无菌灌装机等关键设备，目前已成功在中国的新疆、内蒙和印度、冈比亚等国完成了日处理番茄150吨1500吨番茄酱生产线交钥匙工程。

整条生产线如更换部分单机可加工草莓酱、黑莓酱、蓝莓酱、树莓酱、苹果酱、芒果酱、杏酱、胡萝卜酱、洋葱酱、辣椒酱等浓缩果蔬制品。

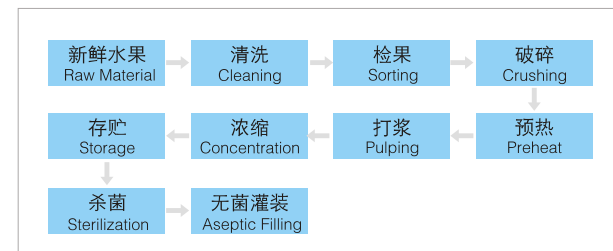
#### 功能特点

- 包括原果的提升系统、清洗系统、分拣系统、破碎系统、预热灭酶系统、打浆系统、真空浓缩系统、杀菌系统、无菌大袋灌装系统。
  - 产能包括：日处理原料（新鲜番茄、辣椒、苹果、草莓、黑莓、胡萝卜、洋葱等）150吨，300吨，400吨，500吨，600吨，800吨，1000吨，1200吨，1500吨。
  - 最终产品浓度为：28-30Brix，30-32 Brix，36-38 Brix（可根据客户产品指标进行调整）
  - 300吨以下可采用手动控制或自动控制两种方式。
- E、产品主要特点：**
- 配置了多功能破碎机，可生产洋葱酱、胡萝卜浆、辣椒酱、苹果酱、草莓酱、黑莓酱等多种果蔬酱类产品。
  - 利用破碎机的特殊功效和低温浓缩（1效蒸发温度小于70℃）工艺，物料在蒸发器内停留时间短，使产品红色素（番茄酱）及其他营养成分比国内外同类设备损失小。
  - 电耗比目前国内外同产量设备少400KWH/小时。
  - 蒸发器设有凝结水二次蒸汽回收系统，可明显减少蒸汽耗量。
  - 杀菌机的内部物料混流装置结构与众不同，比其他同类设备清洗时间短，干净不结垢。目前国内外任何同类设备都有物料管结垢现象，影响传热效果和产品质量。
  - 灌装机在灌装过程中采用转盘升降方式，避免了产品二次污染现象。
  - 双道打浆机采用锥形筛网结构且间隙带负荷可调，二道打浆变频调速，使半成品更细腻。
  - 蒸发器为三效四段式结构，可根据原料采收量调整进料量，确保生产线连续运行，符合番茄或其它原料采收的特点，不会出现原料少时大马拉小车现象，节约能源。

#### Characteristic:

- Including elevator, washing system, sorting system, crushing system, pre-heater destroy enzyme system, pulping system, vacuum concentration system, sterilizing system, aseptic filling system.
  - Capacity: 150tons, 300tons, 400tons, 500tons, 600tons, 800tons, 1000tons, 1200tons, 1500tons fresh tomato per day
  - Brix of end products: 28-30%, 30-32%, 36-38%
  - It can adopt of manual and automatic control when under 300tons.
- E. The main characteristic of products:**
- This line includes multi-function crushing machine, which can produce onion paste, carrot paste, chili paste, apple paste and many other fruit jam.
  - Because of the following factors such as crushing action, ultra-low temperature evaporating(single-effect evaporating temperature is 68 ℃),the two-effect and two-section structure makes staying time of the material is short in evaporator, the lycopene and other nutrition of paste has little loss than other equal equipment.
  - The electricity consumption is 400KW/H less than other equipments with equal capacity.
  - It can cut down the steam consumption because the vacuum evaporator has the second time steam callback system of the steam coagulation water
  - The material mixing device structure in the sterilizer is different from others.The cleaning time is less than the same kind equipments. It can clean very well without dirt.
  - The filling machine adopts style of up and down, which can avoid the second pollution.
  - The screen of the pulping machine is taper and the clearance could be adjusted, also could be frequency conversion and timing, which makes the production easy to squeeze.
  - The evaporator adopts of tri-effect four-section structure. It can adjust the inlet material depending on the raw material collection to assure the continuous producing. And it also can cut down the power consumption.

#### 工艺流程 Process Flow



# STAINLESS STEEL SCRAPER LOW POSITION ELEVATOR

## 不锈钢低位刮板提升机



#### 适用范围

本设备适用于新鲜番茄、胡萝卜、苹果、榨菜、洋葱、辣椒以及其他根块状果品蔬菜的提升。

#### 技术说明

- ◆采用国外先进技术及工艺制造，是中国国内第一家采用提升刮板和平链板与链条无螺丝连接结构的厂家，有效防止螺丝脱落对后段设备造成不必要的损坏。提升输送物料平稳可靠，刮板采用不锈钢制造，使用寿命长；
- ◆设有接油盘及落地导油管，保证食品物料的清洁卫生；
- ◆轴承设有防水装置，轴承使用寿命长；
- ◆链条设有涨紧装置，可调节链条松紧；
- ◆电机设有不锈钢防护罩，可防止雨淋和水冲；
- ◆整体机架采用优质不锈钢制造，坚固耐用、外观美观合理。

#### Application scope

The machine is mainly used for lifting of tomato, carrot, apple, preserved vegetables, onion, chili and other fruit and vegetables.

#### Technical explanation

- ◆ Adopting foreign advanced technology and craft, Shanghai Jiadi is the first factory in domestic who uses the structures of no screw between lifting scraper and flat chain board and chain. This structure can avoid the off of the screw which can damage the later device. It is stable and reliable to lift and convey the material. The scraper is made of stainless steel to expand the working life.
- ◆ With the oil collecting plate and floor type oil pipe guide to guarantee the sanitary of the food material.
- ◆ With the axletree water-proof device to expand the working life.
- ◆ With the chain tightening and expanding device to adjust the chain.
- ◆ Motor with stainless steel shield to prevent rain and water.
- ◆ The machine is made of stainless steel and with perfect surface and structure.

#### 技术参数 Technical Parameter

型号Model	JD-TS-5	JD-TS-10	JD-TS-15	JD-TS-20	JD-TS-30	JD-TS-40
提升量Capacity(kg)	5000	10000	15000	20000	30000	40000
功率Power (kw)	1.5	2.2	3	3	4	4
外形尺寸Dimension(mm)	3500×800 ×700×3800	4500×1180 ×700×4800	5500×1280 ×800×4800	6000×1380 ×800×4800	7000×1480 ×900×4800	8000×1580 ×900×4800
材质Material	304/316/443	304/316/443	304/316/443	304/316/443	304/316/443	304/316/443

备注：安装尺寸--(根据客户处理量大小灵活调节) 该技术解释权归上海嘉迪机械有限公司所有  
Notes: Dimension (adjust according to the required capacity of the customer). Shanghai Jiadi Machinery Co., Ltd reserves the right of final technology explanations.