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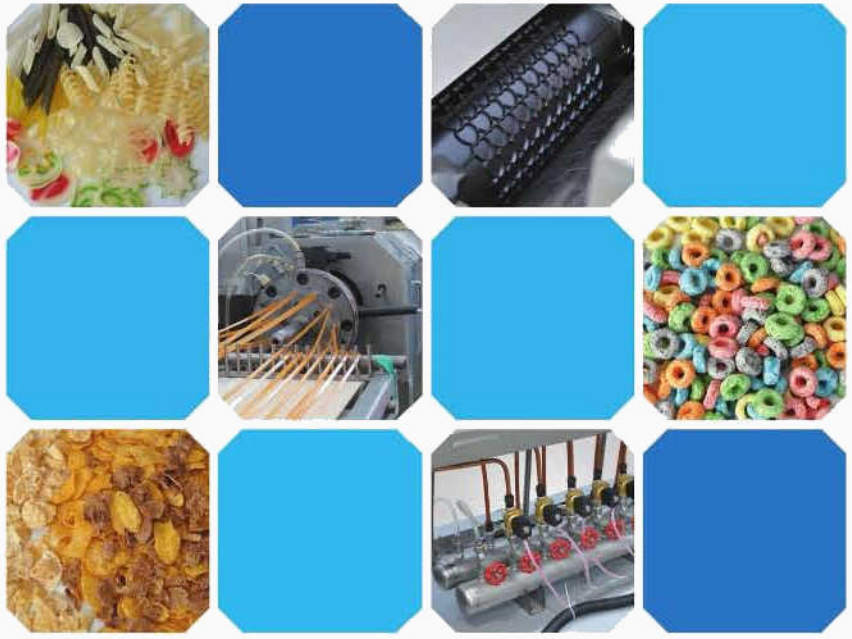

THE WORLD'S LEADING FOOD SYSTEM
欧洲CE认证
ISO9001



FOOD PROCESSING LINE CATALOGUE

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奇多/粟米条生产线

Kurkure/Cheetos/Niknak/Corn Curls Process Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 旋转头挤压机/ Rotary Head Extruder
4. 提升机/ Hoister
5. 分离筒/ Separate Drum
6. 振动喂料机/ Vibrate Feeder
7. 连续油炸机/ Continuous Fryer
8. 振动脱油机/ Vibrate de-oil Machine
9. 调味线/ Flavoring Line



1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 旋转头挤压机/ Rotary Head Extruder
4. 提升机/ Hoister
5. 烤箱/ Multi-layer Oven
6. 调味线/ Flavoring Line

















设备介绍 Introduction

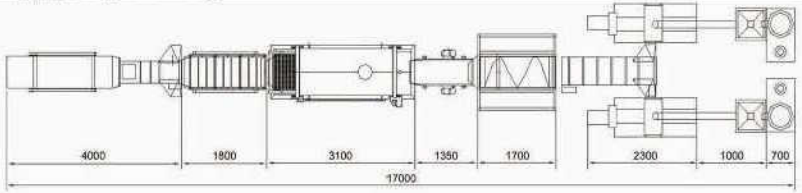
奇多是一种特殊的挤压型小食品，嚼在嘴里非常脆。玉米糁与一定比例的水分混合后进入旋转头挤压机中，在挤压机两个转盘的挤压与揉搓作用下，玉米糁形成不规则的扭曲形状，然后切刀将其切成所需长度的产品。奇多可以油炸后调味，也可焙烤后调味，因其美味而深受消费者欢迎。

Kurkure/ Cheetos are kind of special extruded snacks, very crunchy and delicious in taste. They are made by a special extrusion process. The corn grits are moisturized by water in the flour mixer and fed to the Rotary Head Extruder. In the extruder, due to the rubbing of two rotary plates, the corn grits are squeezed and twisted to curls shapes. The cutting knives can cut them into required length. The Kurkure/ Cheetos can be fried in fryer or toasted in oven and then cooled before flavoring. Seasoning is sprayed onto their surface to get different delicious tastes. Due to their delicious tastes and nutrition, they are quite popular with consumers.

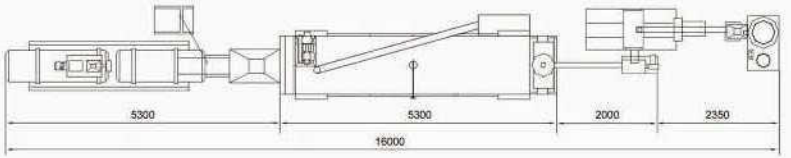
技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LTTS-IF系列油炸型生产线 Fried Kurkure/Cheetos Line	134kw	94kw	125-140kg/h	17000×1100×2500mm
LTTS-IIF系列油炸型生产线 Fried Kurkure/Cheetos Line	136kw	95kw	200-230kg/h	17300×1200×2600mm
LTTS-IIF系列油炸型生产线 Fried Kurkure/Cheetos Line	196kw	147kw	400-460kg/h	17300×2000×2600mm
LTTS-IB系列焙烤型生产线 Baked Kurkure/Cheetos Line	74kw	52kw	125-140kg/h	16000×1100×2500mm
LTTS-IIB系列焙烤型生产线 Baked Kurkure/Cheetos Line	76kw	53kw	200-230kg/h	16300×1200×2600mm

生产线平面图 Layout Drawing



生产线平面图 Layout Drawing



夹心米果/膨化休闲食品生产线

Core Filling/Inflating Snacks Process Line

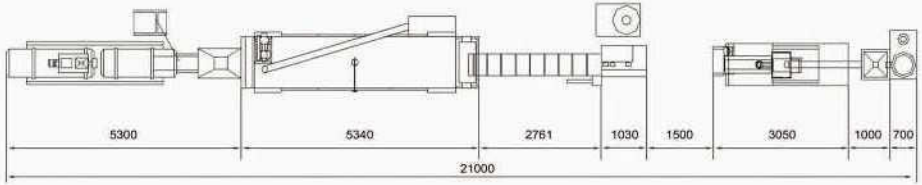


1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 夹心机/ Core Filler
5. 整形机/ Multi-function Shaper
6. 提升机/ Hoister
7. 烤箱/ Multi-layer Oven
8. 调味线/ Flavoring Line

小面包整形机-Bread Pan Shaper



生产线平面图 Layout Drawing





设备介绍 Introduction

该生产线是我公司在吸收国外同类设备先进技术的基础上，自行研发的新一代膨化食品生产设备，其技术性能和产品质量均达到同类设备的先进水平。生产线从配料、挤压、膨化、成型、夹心、切断、喷涂到成品一次完成，完全实现自动化。该生产线具有机型多，设备配置灵活，原料范围广泛，产品种类繁多，操作简单等特点。通过变换模具和生产工艺，可以生产夹心饼、膨化米果、麦烧、营养早餐等产品，适合于各种食品厂家。

This process line is a typical type extruded food machine studied and developed by ourselves on the basis of learning from advanced technology in the world so that both its technical performance and products quality reach to the most advanced level in the world. This line can finish mixing, extruding, shaping, core-filling, cutting, baking and flavoring in one-pass operation automatically. This line features lots of types, flexible collocation, extensive applied raw materials, various snacks and easy operation. By changing the moulds and process technology, this line can produce core-filled snacks, like chocolate filled bar, cream filled pillow, rice cake, cereal bar, sheet snacks etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65系列生产线 Inflating Snacks Process Line	84kw	59kw	120-150kg/h	21000×1200×2200mm
LT70系列生产线 Inflating Snacks Process Line	132kw	92kw	200-250kg/h	23000×1500×2200mm
LT85系列生产线 Inflating Snacks Process Line	239kw	167kw	500-700kg/h	28000×3500×4300mm
LT90系列生产线 Inflating Snacks Process Line	257kw	180kw	800-1000kg/h	29500×3500×4300mm
FT75系列生产线 Inflating Snacks Process Line	186kw	139.5kw	400-500kg/h	24000×2000×2800mm
FT95系列生产线 Inflating Snacks Process Line	295kw	222kw	800-1200kg/h	31000×3500×4300mm

玉米片/早餐谷物生产线

Corn Flakes/Breakfast Cereals Pro cess Line



1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 振动冷却机/ Vibrate Cooler
5. 风送机 I / Air Conveyer I
6. 压片机/ Flaking Machine
7. 风送机II/ Air Conveyer II
8. 预干燥机/ Pre-dryer
9. 提升机/ Hoister
10. 振动喂料机/ Vibrate Feeder
11. 烘烤机/ Baking Machine
12. 风送机III/ Air Conveyer III
13. 喷糖机/ Sugar Sprayer
14. 烤箱/ Multi-layer Oven
15. 冷却机/ Cooling Machine

设备介绍 Introduction

玉米片/早餐谷物是一种具有很高营养价值的早餐食品。它们通常以玉米粉和其他谷物为主要原料，经过混合，挤压，压片，干燥，高温焙烤以及涂糖、冷却后制成酥脆香甜的脆片。玉米片主要是用于早餐拌以牛奶和咖啡食用，也可作为休闲零食。这条生产线还可以生产其他形状的早餐谷物产品，如圆圈状，小球，月亮形等。

Corn flakes processing line can produce breakfast cereal which is one kind of nutritional convenient food which is produced by this process line, using grist as basic material, with different shapes, such as, granule, flake, animal, etc. One outstanding characteristic of the breakfast cereal is that it contains abundant compound carbohydrates and dietary fibre, strengthens lots of microelements, such as vitamin and mineral, and also can be added with cocoa and sugar, like honey and maltose. It can be drunk directly after mixed into coffee, milk, yoghourt or functional drink. Children can eat breakfast cereal as sweet crispy snack.

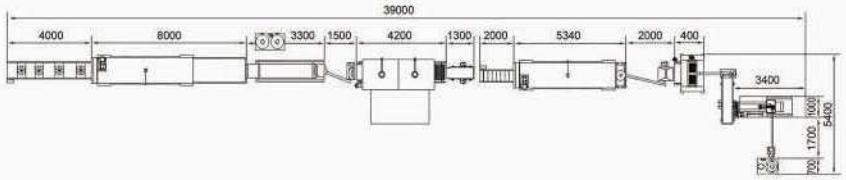




技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65L系列生产线Corn Flakes Line	140kw	90kw	120-150kg/h	39000×1200×2200mm
LT70L系列生产线Corn Flakes Line	326kw	228kw	200-250kg/h	41000×1500×2200mm
LT85系列生产线Corn Flakes Line	433kw	303kw	300-600kg/h	43000×3500×4300mm
FT75系列生产线Corn Flakes Line	583kw	437kw	400-500kg/h	52000×2000×2800mm
FT95系列生产线Corn Flakes Line	740kw	555kw	800-1000kg/h	56200×3500×4300mm

生产线平面图 Layout Drawing



三角片/多力多滋/玉米薄饼生产线

Doritos/Tortilla/Corn Chips Process Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 辊切机/ Roller Cutting Machine
5. 提升机/ Hoister
6. 分离筒/ Separate Drum
7. 振动喂料机/ Vibrate Feeder
8. 连续油炸机/ Continuous Fryer
9. 振动脱油机/ Vibrate De-oil Machine
10. 调味线/ Flavoring Line







设备介绍 Introduction

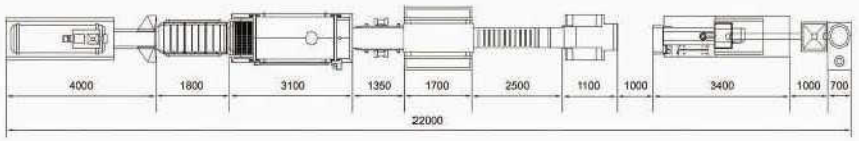
三角片/多力多滋/玉米薄饼生产线是玉米粉经挤压，成型及油炸而成。它的主要配料是玉米粉、水，植物油和盐。该产品大多数情况下由黄玉米制成，也可采用白玉米、红玉米来生产。经过油炸后，用各种味道的调味粉喷洒在表面。因其清脆可口，而备受儿童及成年人的喜爱。

The Doritos /Tortilla /Corn Chips are kinds of snacks made from corn powder, which are extruded, cut and then fried. The main raw materials are corn powder, water, vegetable oil and salt. Although usually made of yellow corn (as pictured), they can also be made of white or red corn or wheat flour. After frying and flavoring, we get very crunchy triangle or other shapes chips which are popular with both children and adult.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65L系列生产线Doritos Process Line	143kw	100kw	120-150kg/h	22000×1200×2200mm
LT70L系列生产线Doritos Process Line	187kw	131kw	200-250kg/h	24000×1500×2200mm
LT85系列生产线Doritos Process Line	232kw	174kw	400-500kg/h	23000×1500×2300mm
FT75系列生产线Doritos Process Line	240kw	180kw	300-500kg/h	23000×1500×2800mm
FT95系列生产线Doritos Process Line	368kw	276kw	700-1000kg/h	27000×1500×3000mm

生产线平面图 Layout Drawing



锅巴/沙拉/尖角脆/妙脆角生产线

Crispy Chips/Bugles/Sticks Process Line



1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 牵引切断机/ Pulling and Cutting Machine
5. 自动油炸机/ Automatic Fryer
6. 八角筒调味机/ Eight Square Seasoning Machine









设备介绍 Introduction

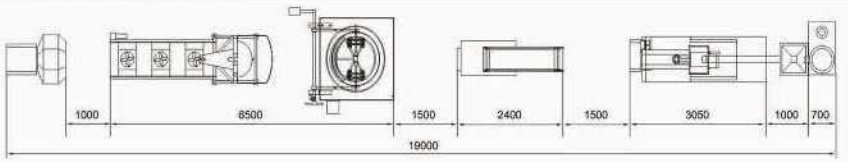
锅巴/沙拉/尖角脆生产线是双螺杆挤压膨化技术替代传统式锅巴等生产的新技术。生产线集混合，熟化，膨化，成形于一体，且无需锅炉，生产工序简化，高效，环保低碳。原料既可以是大米粉，玉米粉，面粉等单一物料，也可以是其混合料。仅通过变换模具和成型机与切断机即可改变形状：条状，带波纹的方片状，菱形片状，波浪形片状，枕头形以及号角形等。生产的锅巴，沙拉条，沙拉片，尖角脆，妙脆角等食品花色多样，口感酥脆而不油腻。

This process line uses double screw extruding technique to replace the traditional steam boiling process. It includes mixing, extruding, shaping, frying and flavoring process, no needing boiler, with simple process, high efficiency and little pollution. The raw materials can be rice powder, corn powder, wheat flour individually or their mixture. Only by changing the moulds, shaping or cutting machine, the shapes can be various, like sticks, square sheet rib chips, diamond chips, wavy chips, pillow shapes and bugles etc. The taste is savory and not greasy.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65系列生产线 Crispy Chips Process Line	92kw	64kw	120-150kg/h	19000×2300×2200mm
LT70系列生产线 Crispy Chips Process Line	111kw	78kw	200-250kg/h	20000×2300×2200mm
LT85系列生产线 Crispy Chips Process Line	240kw	180kw	400-600kg/h	23000×1500×2300mm
FT75系列生产线 Crispy Chips Process Line	243kw	182kw	400-500kg/h	23000×1500×2800mm
FT95系列生产线 Crispy Chips Process Line	371kw	278kw	800-1000kg/h	27000×1500×3000mm

生产线平面图 Layout Drawing



营养粉/婴儿米粉生产线

Nutrition Powder/Baby Rice Powder Process Line

1. 料仓/ Storage Silo
2. 螺旋输送机/ Screw Conveyer
3. 混料机/ Blender
4. 螺旋输送机/ Screw Conveyer
5. 双螺杆挤压机/ Double-screw Extruder
6. 提升机/ Hoister
7. 烤箱/ Multi-layer Oven
8. 自动脉冲粉碎机组/ Auto.Pulse Grinder System
9. 双轴混料/ Biaxial Blender
10. 粉剂包装机/ Powder Packing Machine



设备介绍 Introduction

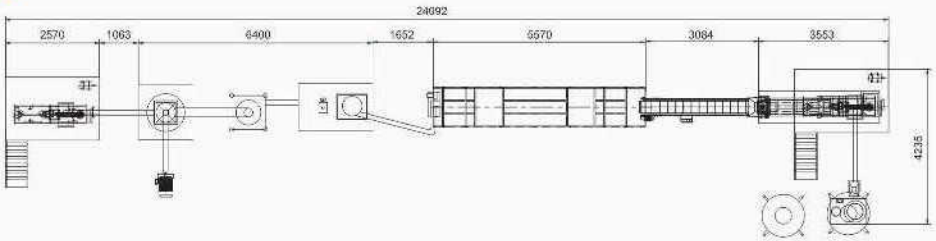
该生产线以大米、玉米、豆类等各种谷物为原料，经挤压膨化、干燥、粉碎和混合，可生产各种营养粉，如婴儿米粉、芝麻糊和豆粉等。生产线从投料开始工艺流程自动完成，操作简单，无粉尘泄露，卫生节能。可方便地配以各种原料和营养素。

This process line uses rice, corn, beans and all kinds of grains as raw materials. Through extruding, inflating, drying, crushing and mixing, it could produce many kinds of nutrition powder, such as baby rice powder, sesame paste, beans powder and so on. This line could finish all the process automatically from the feeding to the end. It has features of easy operation, without leak of powder dust, sanitation, saving energy and easy to add all kinds of raw materials and nutriment.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65系列生产线 Nutrition Powder Process Line	88kw	62kw	120-150kg/h	19000×1200×2200mm
LT70系列生产线 Nutrition Powder Process Line	142kw	99kw	200-250kg/h	21000×1500×2200mm
LT85系列生产线 Nutrition Powder Process Line	257kw	180kw	500-700kg/h	30000×3500×4300mm
LT90系列生产线 Nutrition Powder Process Line	294kw	206kw	800-1000kg/h	30000×3500×4300mm
FT75系列生产线 Nutrition Powder Process Line	248kw	186kw	400-500kg/h	28500×3500×4300mm
FT95系列生产线 Nutrition Powder Process Line	384kw	288kw	800-1200kg/h	36000×3500×4300mm

生产线平面图 Layout Drawing



变性淀粉生产线

Modified Starch (Pre Gel Starch /Denatured Starch) Process Line



设备介绍 Introduction

预糊化淀粉/变性淀粉生产线是专门设计用于生产多元化的变性淀粉，例如改性淀粉，预凝胶淀粉，变性淀粉广泛用于纺织，食品加工，石油钻探，造纸，建筑等行业。

这条生产线是我司研究和学习国外先进技术的基础上开发出来的，其技术性能和产品质量达到世界最先进水平，一种先进的膨化机器，配置灵活，原料应用广泛，操作方便。

Pre-gelatinized starch/Modified starch process line is specially designed for producing Denatured Starch, Modified Starch, Pre Gel Starch. Modified Starch is widely used in textile, food process, oil drilling, paper, construction industries etc.

This process line is a typical type extruded food machine studied and developed by ourselves on the basis of learning from advanced technology in the world so that both its technical performance and products quality reach to the most advanced level in the world. This line features lots of types, flexible collocation, extensive applied raw materials, various products and easy operation.



Application: Textile, Paper Industry, Food Industry, oil drilling and building industry

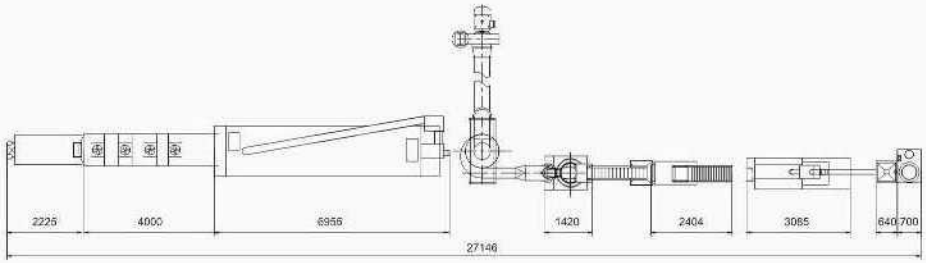
面包糠生产线

Bread Crumb Process Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 牵引切割机/ Drawing & Cutting Machine
5. 提升机/ Hoister
6. 粉碎机/ Pulverizer
7. 吸风上料机/ Crumbs Sucking Conveyor with Dust Collector
8. 多层干燥机/ Multi-layer Dryer
9. 冷却输送机/ Cooling Belt
10. 振动筛分机/ Vibrant Sifter



生产线平面图 Layout Drawing





设备介绍 Introduction

该生产线是基于先进的挤压技术设计而成的，其质量与运行均达到国内先进水平。生产线改变了传统面包糠的生产工艺。生产流程为拌料、挤压、切断、破碎、干燥全部自动化完成。面包糠广泛应用于食品添加辅料，用于裹涂在油炸食品表面，如：炸鸡肉、鸡翅、鸡腿、汉堡肉饼、海产品（虾、鱼肉）、洋葱圈等，使其色泽金黄诱人，味香酥脆，可口鲜美，营养丰富。

This process line is researched and developed on the basis of international advanced technology. The performance and quality have reached the highest domestic level of the same line. The line changes the traditional process. From mixing materials, extruding, cutting, drying to finished products are done in one automatic line. The Extruded Bread Crumbs are light and crispy with innovative shapes (small rings, crescent, small stars, balls, granule etc). They are widely used as food coating additives on the surface of frying food like: fried chicken, burger patty, sea foods (shrimp, fish), onion ring etc to obtain a very crispy and savory texture as well as unique and attractive fried foods' golden color presentation.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65系列生产线 Bread Crumb Process Line	57.4kw	37kw	120-150kg/h	27800×2100×2800mm
LT70系列生产线 Bread Crumb Process Line	68.4kw	45kw	200-250kg/h	28300×2100×2800mm
LT85系列生产线 Bread Crumb Process Line	131kw	85kw	500-700kg/h	31000×2100×2800mm
FT75系列生产线 Bread Crumb Process Line	186kw	139kw	300-500kg/h	33000×2100×2800mm

组织蛋白/素肉食品生产线

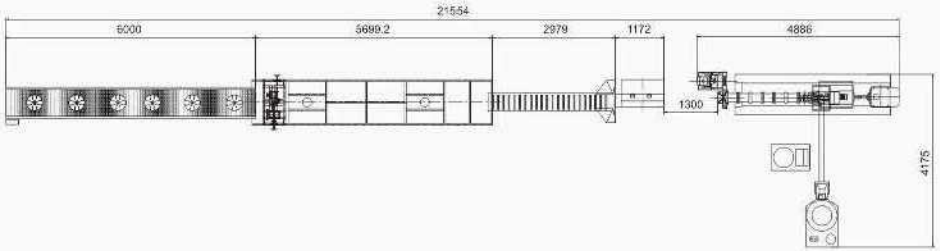
Textured Soya Protein / Vegetarian Soya Meat / Soya Nugget Food Process Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 整形机/ Multi-function Shaper
5. 提升机/ Hoister
6. 烤箱/ Multi-layer Oven
7. 冷却输送机/ Cooling Belt





生产线平面图 Layout Drawing





设备介绍 Introduction

该生产线是我公司在多年挤压设备生产经验的基础上，结合国内外先进设备研发制的。生产线以脱脂豆粕、花生粕为主要原料，经搅拌、挤压剪切，形成层片纤维组织，其产品蛋白含量高，具有肉的状态和口感，有吸油、吸水、吸味的特点，不含胆固醇和动物脂肪。可广泛用于肉制品、快餐食品、速冻食品，也可制成各种素肉休闲食品和素食菜肴。

This process line is developed and manufactured on base of our experience combined with the advanced machines from foreign countries. This line takes defatted soybean meal and peanut meal as main raw materials. After mixing, extruding, cutting and drying, the meal becomes layer fiber texture. The finished products have high protein; look and taste like meat; easy to absorbing oil, water and flavor; without cholesterol and animal fat, so it is widely used in meat products industry, fast food production, deep frozen food production, and all kinds of vegetarian snacks and food.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
FT75系列生产线 TVP Process Line	183kw	128kw	300kg/h	14500×1300×2400mm
FT95系列生产线 TVP Process Line	261kw	183kw	400-500kg/h	17000×2400×3000mm
FT115系列生产线 TVP Process Line	243kw	170kw	800-1000kg/h	17000×2400×3000mm

3D立体复合食品生产线

3D Pellet Snacks Process Line

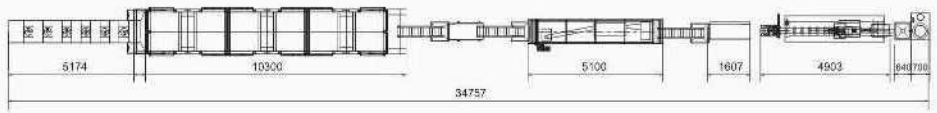
1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 成型机/ Forming Machine
5. 提升机 I / Hoister-I
6. 滚筒干燥机/ Rotary Pre-dryer
7. 提升机 II / Hoister-II
8. 筛选机/ Vibrant Sifter
9. 提升机 III / Hoister-III
10. 连续干燥机/ Continuous Dryer
11. 冷却机/ Cooling Machine

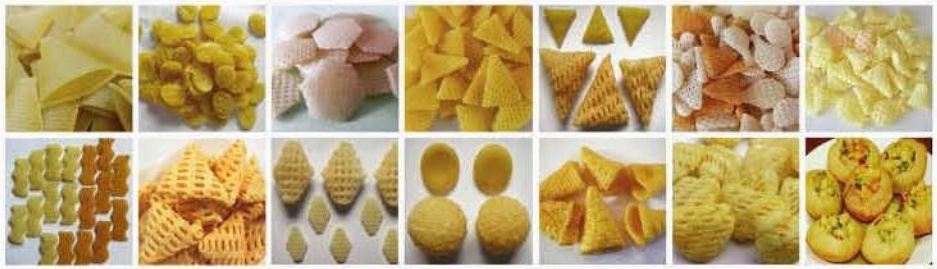


四辊成型机 Forming Machine



生产线平面图 Layout Drawing





设备介绍 Introduction

双层立体复合生产线，采用一次挤压工艺生产双层立体复合膨化食品。 主要原料以马铃薯淀粉，马铃薯全粉，玉米淀粉，小麦粉，玉米粉，木薯淀粉为主。通过挤压机的挤压熟化，原料被挤压成为双层，并通过成型机将产品复合并成型为所需形状，通过更换成型机上的滚切辊，还可以用来生产诸多不同的形状，如三角，椭圆，球拍，六边型，矩形，圣诞树，动物，弯条，心形状，经过干燥，油炸后，产品尺寸膨大数倍，经过喷涂不同口味的调味粉，口感酥脆。

该生产线设计合理，生产工艺独特，高度自动化，性能稳定，可实现挤压，熟化，复合成型，干燥于一体，是投资3D复合食品的理想选择。

This Process Line uses potato starch, potato flour, corn starch, corn powder, wheat flour, cassava starch etc as main materials, by the process of mixing, extruding, shaping and drying to produce dried double layer 3D pellets.

After changing cutting roller on Shaping machine, this line can produce many innovative shapes, like Triangle, Oval, Racket, Hexagonal (Sixer), Rectangle, Christmas tree, Animal, Zig Zag, Heart etc. After frying, the pellet will expand to several times, spraying some seasoning powder will make them much crispy and savory.

This line is characterized by unique technique, rational configuration, high automation and stable performance.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size	适用产品 Applied Products
LT100单螺杆生产线 3D Pellet Process Line	172kw	120kw	80-100kg/h	27000×2000×2000mm	油炸膨化食品、虾片、双层复合 Ready-to-fry Pellets, Shrimp Chips, 3D Snacks, Fried Wheat Pellet Snacks
FT75双螺杆生产线 3D Pellet Process Line	234kw	164kw	250-300kg/h	36000×2000×2000mm	
FT95双螺杆生产线 3D Pellet Process Line	525kw	394kw	400-600kg/h	43000×2000×3200mm	

螺旋/贝壳/豌豆脆/虾片挤压油炸食品生产线

Screw/Shell/Chips/Pellet Extruding & Frying Process Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 单螺杆挤压机/ Single-screw Extruder
4. 牵引切割机/ Drawing and Cutting Machine
5. 冷却床/ Cooling Machine
6. 热风干燥机/ Drying Machine
7. 自动油炸机/ Automatic Fryer
8. 调味线/ Flavoring Line

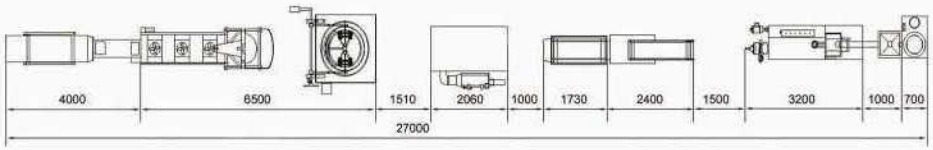


冲型机/ Punching Machine

虾片/波纹片牵引、切断机
Shrimp Chips/Waved Chips Roller Cutting Machine



生产线平面图 Layout Drawing





设备介绍 Introduction

螺旋/贝壳/挤压油炸食品生产线主要以马铃薯淀粉、玉米淀粉、木薯淀粉和面粉等为原料，经过单螺杆挤压机挤压熟化后，切断成各种形状的半成品匙料。通过更换不同的模具可以生产出贝壳、螺旋、管状、片状等立体和平面形状新颖的产品；再经过油炸膨化后，通过滚筒调味设备喷洒调味粉，即可成为香脆可口，味道鲜美的休闲食品。

该生产线拥有易操作、搭配组合灵活，易维护等优点，客户可根据实际情况来选择半自动，全自动生产线，亦可以通过搭配不同的整形设备生产出3D、波纹片、虾片等膨化食品，深受消费者欢迎。

This process line mainly use potato starch/flour, corn starch, cassava starch, wheat flour as main materials, through mixing, extruding, cutting and drying to produce various shapes pellets, like shell, screw, spiral, tube pellets. After oil frying and flavoring with different seasoning, these pellets will become crispy and delicious snacks food.

This line has features of easy operation, combination flexible, simple maintenance, by changing the drying and frying machines, this line can realize Semi-automatic or Full-automatic process depends on customer's requirement. By working with different shaping machine, this line can produce 3D pellets, waved chips, shrimp chips, populared with consumers.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size	适用产品 Applied Products
LT100单螺杆生产线 Pellet Snacks Process Line	117kw	82kw	80-100kg/h	27000×2000×2000mm	油炸膨化食品、虾片、双层复合 Fried Potato Pellets, Shrimp Chips, Compound Potato Chips, Fried Wheat Pellet Snacks, 3D Pellets
FT75双螺杆生产线 Pellet Snacks Process Line	178kw	125kw	250-300kg/h	30000×2000×2000mm	
FT95双螺杆生产线 Pellet Snacks Process Line	245kw	184kw	400-500kg/h	35000×2000×2000mm	

营养米/人造米/黄金米生产线

Nutrition Rice/Artificial Rice/Golden Rice Process Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 振动冷却机/ Vibrate Cooler
5. 风送机/ Air Conveyer
6. 干燥机/ Multi-layer Dryer
7. 提送机/ Hoister
8. 抛光机/ Polishing machine





设备介绍 Introduction

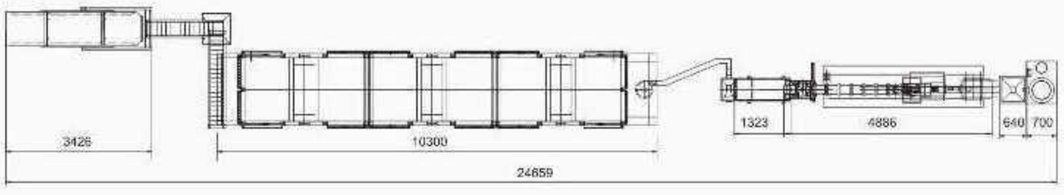
该生产线是针对传统的碾米工艺生产中大米里大量流失的营养成分而研发。大米及其副产品可以通过挤压工艺制成附加值极高的产品。在这个过程中，碎米及米糠可被重新利用。整个生产工艺流程简单易操作：碎米经粉碎后与一定量的水分、油等混合。在一定温度下，原料在挤压机中熟化，然后经模具挤出后形成米状，最后将再造的米粒在低温下干燥。这一挤压技术有效避免了营养成分的流失，从而成为营养丰富的强化大米。

This process line is studied in concern with the loss of nutritional elements in the rice which is made by the traditional rice processing. Rice and its by-products can be produced into high nutritional foods by adding additional nutrient components before extrusion cooking. Further, by this process, the broken rice and rice bran can be reused. Process for making artificial rice grains, comprises mixing rice flour, water and oil and cooking them in extruder, forming into rice-grain shape, drying and cooling in low temperature. The technique makes it feasible to avoid the loss of nutrition.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65L系列生产线 Artificial Rice Process Line	84kw	59kw	180kg/h	14000×1200×2200mm
LT70L系列生产线 Artificial Rice Process Line	120kw	84kw	200-250kg/h	16000×1500×2200mm
LT85系列生产线 Artificial Rice Process Line	225kw	158kw	500-700kg/h	20000×3500×4300mm
FT75系列生产线 Artificial Rice Process Line	180kw	135kw	300-500kg/h	18000×3500×4300mm
FT95系列生产线 Artificial Rice Process Line	260kw	195kw	800-1000kg/h	21000×3500×4300mm

生产线平面图 Layout Drawing



自动连续型焦糖爆米花生产线

Automatic Continuous Caramel Popcorn Production Line





设备介绍 Introduction

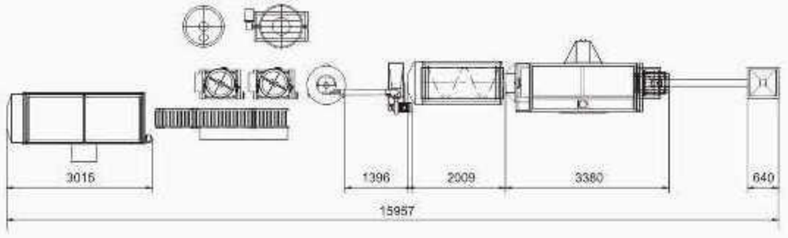
高温膨化机是一种自动连续型爆米花设备。采用国外先进技术设计而成，品质可靠。玉米在高温膨化机的高温作用下膨化成球形、蝶形爆米花等。然后喷涂黄油、糖浆、糖液、巧克力浆等，带给人视觉和味觉上的享受，因此广受欢迎。

Hot Air Popper is a kind of automatic continuous popcorn machine with high quality and advanced foreign technology. With the high temperature, the corns are popped into mushroom popcorn, butterfly popcorn etc. Then coated with caramel, butter, sugar syrup, chocolate syrup etc, the popcorn will become feast both to eyes and to the tongue. Thus, the caramel popcorn gain popularity among people.

技术参数 Technical Parameter

型号 Model	功率 Power	加热温度 Heating Temperature	生产能力 Output	外形尺寸 Size	加热方式 Heating Source
LT-PM80高温膨化机 Hot Air Popper	17.34kw	0~300℃	80-100kg/h	16500×2500×3300mm	电/气/油 Electric/Gas/Diesel
LT-PM200高温膨化机 Hot Air Popper	38.55kw	0~300℃	200-240kg/h	19500×3000×3300mm	电/气/油 Electric/Gas/Diesel

生产线平面图 Layout Drawing



1. 螺旋输送机/ Screw Conveyor
2. 高温膨化机/ Hot Air Popper
3. 分离筛选机/ Sifting Tumbler
4. 风送机/ Air Conveyor
5. 储料仓/ Storage Tank
6. 化糖锅/ Sugar Cooker
7. 搅拌罐/ Syrup Preparation Tank
8. 涂层机/ Coating Kettle
9. 收料提升机/ Collecting Conveyor
10. 冷却分离机/ Cooling and Separating Machine

油炸面食生产线

Fried Wheat Flour Snacks Process Line



设备介绍 Introduction

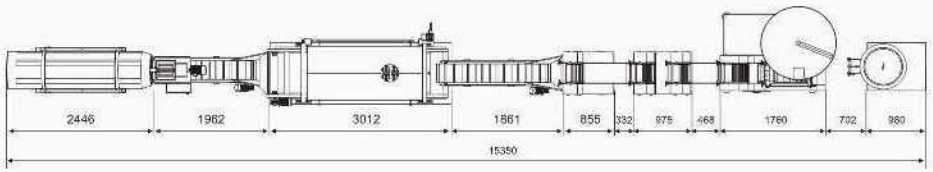
该生产线将面粉等原料与水进行混合，通过多道压辊进行压制加工，采用特制切刀分切成不同的形状，并经过油炸使其膨化，油炸后再进行调味与烘干，即制成美味可口的休闲食品。该生产线设计合理，操作简单。

This process line uses wheat flour as main materials, after making the dough, sheets the dough by compound rollers, and then shapes the sheet into different shapes. After frying and flavoring, we can get crispy and savory snacks food. This line has features of continuous working, stable performance, and compact design.

技术参数T Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LTM-E油炸面食生产线(电力型) Fried Wheat Snacks Process Line(Electric Heating)	60kw	50kw	150-200kg/h	23000×1500×1800mm
LTM-G油炸面食生产线(燃气型) Fried Wheat Snacks Process Line(Gas Heating)	12L/H(Diesel)	8-12L/H(Diesel)	150-200kg/h	23000×1600×1800mm

生产线平面图 Layout Drawing



方便面生产线

Instant Noodles Process Line





设备介绍 Introduction

方便面生产线是我公司在研究国内外同类产品的基础上，生产的具有小型化特点的新一代产品。其工艺完善，结构紧凑，设计新颖，性能稳定可靠。生产从面粉到成品自动完成，操作简单，产量适中，节约能源，占地面积小，具有投资少，见效快的特点。生产的波纹片方便面，复水时间短，有良好的弹性，光滑度和透明度，可与市场流行的大型设备相媲美。

This process line, with perfect technology, compact structure, original design and stable performance, is developed on the base of advanced products and requirements in the world market. It realizes high automation, convenient operation, low energy and small floor space, that assures all working procedures from feeding flour to finished products can be accomplished once. The investment for this line is only one tenth of that larger size equipment, especially suitable to small-size or self-owned enterprises. The corrugated instant noodle produced by this line is tenacious smooth and transparent.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	加热方式 Heating Mode	外形尺寸 Size
LTN-E 方便面生产线 Electric Heating Type	80.5kw	50kw	11000bags/8h	Electric Heating	23000×1500×1800mm
LTN-S方便面生产线 Steam Heating Type	10kw Steam:0.5T	10kw	11000bags/8h	Steam, Heating(Cooker, Fryer), Other Machine Driven By Electric	23000×1600×1800mm

高档虾料/鱼饲料/水产饲料工程

High-Grade Shrimp/Fish Feed/Aquatic Feed Project



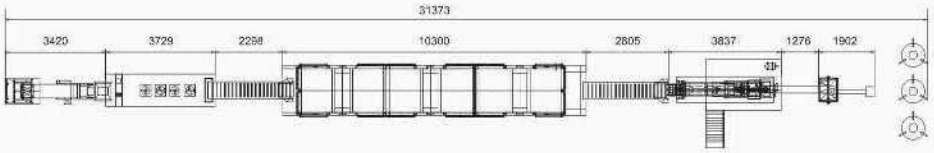


Floating Fish Feed　　Tilapia Feed　　Sinking Feed



Shrimp Feed　　Crab Feed　　Turtle Feed

生产线平面图 Layout Drawing





设备介绍 Introduction

我司开发的双螺杆挤压式水产饲料生产线，学习欧洲技术，采用单元螺杆组合结构，并可实现生产参数的精准控制，挤出过程可使蛋白质分解，易于消化吸收，我公司水产饲料生产线出来的水产食品，蛋白质高，营养成分齐全，产品可以漂浮水面或沉入水底，可以适用于各种鱼虾等水产用的浮性和沉性饲料，不浪费饲料，并且加入微量元素，可以促进水产类快速生长，是不同生产厂家比较理想的选择。

win-screw Extrusion animal feed process line, based on Euro technology, adopt modular –screw design, achieve accurate control on production parameters. Protein will be decompositied, become easy get digest feed during extrusion process. Animal feed made by superior technoly, containes high protein, nutritional, mineral elements, shaped in floating, sinking for various type freshwater and Marine fish, also workable for shrimp, crab, without wasting, ideal choice for feed manufactury plant.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT90系列生产线 Pet Food Process Line	287kw	216kw	1000-1200kg/h	40000×2400×4000mm
FT95系列生产线 Pet Food Process Line	383kw	287kw	1000-1500kg/h	40000×3000×4000mm
FT115系列生产线 Pet Food Process Line	424kw	318kw	2-3T/h	42000×3000×4000mm
FT130系列生产线 Pet Food Process Line	502kw	376kw	4-5T/h	46000×3000×4000mm

宠物食品/水产饲料生产线

Pet and Animal Food / Fish Feed Pro cess Line



1 拌粉机/ Flour Mixer
2 螺旋输送机/ Screw Conveyer
3 双螺杆挤压机/ Double-screw Extruder
4 风运机/ Air Conveyer
5 烤箱/ Multi-layer Oven
6 调味线/ Flavoring Line
7 冷却机/ Cooling Machine



设备介绍 Introduction

随着宠物种类的不断增加，市场对宠物食品的要求和需求也不断提高。公司根据这一市场需要，研制和开发了多种型号的宠物食品生产线。根据产量的不同，该生产线也有多种配置。该生产线以肉粉、鱼粉、骨粉、玉米粉、豆粉等为主要原料，通过调整原料、温度、水分等工艺参数，生产形状新颖、口感独特、营养丰富、组织细腻的食品，适合不同宠物的口味。该生产线广泛适用于生产狗、猫、狐狸、鸟等宠物食品，是大中小型生产厂家理想的选择。

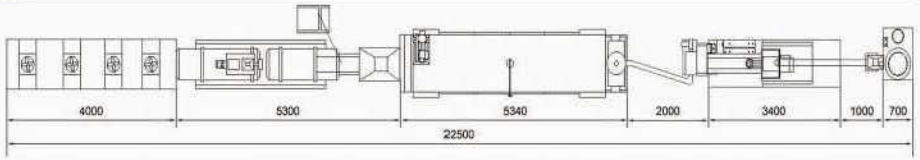
With the increasing variety of pet, people require more and more different pet foods. In order to meet various feeding demands, our Company developed this line, easy operation, friendly human-machine interface, accurate control to ensure the food can be processed under stable temperature, pressure, humidity and other circumstance.

This line mainly use the meat meal, fish meal, bone powder, corn powder, soya meal and other grains' powder as main materials to produce the innovative shapes, high nutritional and savory taste pet food for dog, cat, fox, bird etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65系列生产线 Pet Food Process Line	80kw	56kw	120-150kg/h	22500×1200×2200mm
LT70系列生产线 Pet Food Process Line	128kw	90kw	200-250kg/h	25000×1500×2200mm
LT85系列生产线 Pet Food Process Line	175kw	123kw	500-700kg/h	30000×3500×4300mm
LT90系列生产线 Pet Food Process Line	287kw	216kw	1000-1200kg/h	40000×2400×4000mm
FT95系列生产线 Pet Food Process Line	383kw	287kw	1000-1500kg/h	40000×3000×4000mm
FT115系列生产线 Pet Food Process Line	424kw	318kw	2-3T/h	42000×3000×4000mm
FT130系列生产线 Pet Food Process Line	502kw	376kw	4-5T/h	46000×3000×4000mm

生产线平面图 Layout Drawing



咬胶型、夹心型宠物食品生产线

Pet Chewing/Jam Center Food Process Line





1 拌粉机/ Flour Mixer
2 螺旋输送机/ Screw Conveyer
3 单螺杆挤压机/ Single-screw Extruder
4 冷却机/ Cooling Machine
5 切割机/ Cutter
6 提升机/ Hoister
7 烤箱/ Multi-layer Oven

设备介绍 Introduction

该生产线以淀粉、面粉、动物皮及其他食品添加剂等为原料，利用独特的挤压方法和模具，生产各种条状、棒状、麻花状、双色或多色形状各异及夹心的食品。通过调整配方，即可提供宠物的营养需求，又能满足宠物喜欢咀嚼的喜好。

This process line adopts starch, wheat flour and food additives to produce innovative shapes pet chewing food by extrusion technology, such as strip, stick, twist, bone, core filled bar and so on. By adjusting the formulations, the extruded food can meet different needs like cleaning the teeth, chewing toy for smaller pets and adding nutrition.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
咬胶生产线(单色)Single Color Process Line	76kw	53kw	80-100kg/h	19000×2000×2000mm
咬胶生产线(双色)Double Colors Process Line	113kw	79kw	80-100kg/h	19000×3500×2000mm



欧标双螺杆挤压膨化主机

Fantastic Technology Double Screw Extruder



FT95多功能双螺杆挤压膨化机
Series Multi-functional Double Screw Extruder

FT系列多功能挤压机是在借鉴瑞士技术的基础上开发出来的高端机型，具有以下优点。



□ 螺杆可自由排列组合，以满足不同产品需求。
Multi-functions for different Snacks Applications: FT Series uses the Modular Circular Groove Screws.



□ 机筒衬套选用合金材料，使用寿命长。
Much Longer Using Life of Excellent Modular Screws and Square Barrels.

□ 不同的加热方式可供选择，维护成本低。
Different Heating Sources Options and Low Maintenance charge.

FT Series Multi-functional Double Screw Extruder is developed based on Swiss Technology, features with the following unique advantages:







□ 专业的齿轮加工及箱体装配，自带冷却，润滑，过滤，系统的分配箱
Stable Performance and Longer Using Life guaranteed by Top Grade Gear Box and Bearings.
Automatic lubricating system, filtration system and cooling system; Gear box, adopt alloy steel, bearing units is imported, NSK Brand Japan.

□ 触屏控制，最高可储存24组数据。
PLC Touch Screen, Max. 24 Recipes Memory.

□ 电器件选用国外优秀品牌：西门子，欧姆龙，富士，台达，LG
Reliable Parts Supplier Partners: SIEMENS-CHINA, OMRON, FUJI, DELTA, LG

□ 直线对头切，电机直连，切断强劲有力
Powerful Direct-Cutting System with Linear Slide Rail, available for high production.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	驱动电机功率 Drive Motor	生产能力 Output	外形尺寸 Size
FT95	185kw	110kw	1000-1500kg/h	6300×3000×3500mm
FT115	245kw	132kw	1500-3000kg/h	7100×3500×3500mm
FT130	297kw	160kw	3000-4000kg/h	7800×3700×3500mm



FT75M新型多功能双螺杆挤压膨化机
Multi-functional Double Screw Extruder



FT75P新型多功能双螺杆挤压膨化机
Multi-functional Double Screw Extruder



主要特色

□ 螺杆为积木式结构，材质采用高强度、高耐磨的特种合金，螺旋件采用完全啮合模型原理，三维设计，数控加工，表面光洁，配合精度高，自洁性好。螺杆芯轴为渐开线花键，传递扭矩大，装拆螺杆方便。

□ 挤压机腔体采用多节积木式，每个腔体可独立控制温度，内有加热，冷却通道，根据用户的要求可采用蒸汽、电加热方式，温度自动控制。

□ 挤压机主电机、喂料器、切割机，液体喂料系统都采用变频调速，挤压机系统采用PLC控制，触摸屏人机控制操作终端，画面清晰，直观。

Main Features

□ Modular circular groove screws, made of high strength and durability alloy steel, screws fully engaged model, designed by 3D technique, smooth surface, high conjunction accuracy, and better self-cleaning function. Involute spline screw mandrel allow great transmission torque, easier in assembly the screws.

□ Multi-section modular barrel, each section with separate temperature controller, jacket with heating and cooling channels, adopted steam or electric heating, automatic temperature control.

□ Frequency controlled main motor, feeder, cutter and liquid feeding system, touch screen PLC panel controller, clear, simple and convenient.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	主电机功率 Main Drive Power	生产能力 Output	外形尺寸 Size	适用产品 Applied Products
FT62	73kw	55kw	100-200kg/h	4500×1000×2700mm	油炸膨化食品，膨化食品，宠物食品，水产饲料，玉米片，早餐谷物等Pellets, Puffs, Pet Food, Fish Feed, Corn Flakes and Breakfast Cereals etc
FT75	98kw	75kw	200-500kg/h	5200×1000×2800mm	

系列双螺杆挤压膨化主机

Series of Double Screw Extruder



LT85大型全套双螺杆挤压膨化机
Whole Set of Double Screw Extruder

设备组成 Machinery components

- ☐ 大料仓 ☐ Big Silo
- ☐ 双轴调质器 ☐ Double Axis Conditioner
- ☐ 支撑平台 ☐ Support Platform
- ☐ 对头切刀 ☐ Facing Cutter
- ☐ 85双螺杆膨化机 ☐ Double Screw Extruder 85



技术参数 Technical Parameter

型号Model	装机功率Installed Power	驱动电机功率Drive Motor	生产能力Output	外形尺寸Size
LT85	99kw	75kw	500-700kg/h	4300×3500×5300mm

适用产品：宠物食品、水产饲料、玉米片和早餐谷物、膨化食品等。**Applied Products:** Pet Food, Fish Feed, Corn Flakes and Breakfast Cereals, Puffs.



F85双螺杆挤压膨化机
Double-screw Extruder



DL75双螺杆挤压膨化机
Double Screw Extruder



LT70双螺杆挤压膨化机
Double-screw Extruder



主要特色 Main Features

- ☐ 系列双螺杆挤压机主要由供料系统、挤压系统、旋切系统、加热系统、润滑系统、控制系统组成。
- ☐ 挤压机供料系统，主驱动系统，旋切系统均采用变频调速，动力强劲，运转平稳，省电。
- ☐ 自动润滑，强迫冷却，确保挤压机安全运转和寿命。
- ☐ 螺杆采用合金材料，经特殊工艺加工，强度高，耐磨，增长使用寿命。
- ☐ 根据不同产品，设有不同结构和长径比的螺杆挤压系统，满足工艺要求。
- ☐ Series of Double-screw Extruder mainly consist of feeding system, extruding system, cutting system, heating system, lubricating system and controlling system.
- ☐ Automatic lubricating and forced cooling make sure that extruder performs safely and extends using life.
- ☐ Feeding system, extruding system and cutting system all adopt frequency conversion timing to gain powerful drive, stable perform, and electricity saving.
- ☐ Screws are made of alloy and processed by special technique to possess high intensity, abrasion resistant and longer using life.
- ☐ By means of designing different structures and slenderness ratios according to needs of products, screw extruding system can meet different technology demands.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	主电机功率 Main Drive Power	生产能力 Output	外形尺寸 Size	适用产品Applied Products
F85	99kw	75kw	500kg/h	5000×980×2200mm	宠物食品、蛋白、淀粉、膨化食品 Pet Food, Protein, Snacks
DL75	116kw	75kw	250-300kg/h	4590×1160×2020mm	主做大豆蛋白，也可生产膨化食品，变性淀粉等 Mainly Used for Soy Protein, Also Modified Starch and Puffs
LT70	53kw	37kw	200-250kg/h	3200×760×2000mm	膨化食品、早餐谷物、宠物食品等 Snacks, Breakfast Cereals, Pet Food

系列双螺杆挤压膨化主机

Series of Double Screw Extruder



LT70L双螺杆挤压膨化机
Double-screw Extruder



LT65-III双螺杆挤压膨化机
Double-screw Extruder



LT70CL双螺杆挤压膨化机
Double-screw Extruder



FT32实验双螺杆挤压膨化机
Double-screw Lab Extruder

实验机设备介绍 Main Features

- 使用性强，多种螺杆组合及长径比，满足各类原料的实验。
- 专用分配箱与轴承，改善了挤压机的工况。
- 多用温度控制及多点压力测量。
- 先进的触摸式人机界面，显示大量适时参数，记录各单元设备的工作状态，并打印输出。

Main Features

- Widely used, according to different material and product character, use many screw/machine barrels of different length combination, fit for various material experiments.
- Special distributor case and bearing, to improve the extruder performance.
- Multipoint temperature control and pressure measure point.
- Advanced touching screen, display a lot of real time parameters and record working status of each equipment and print the numbers out.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	主电机功率 Main Drive Power	生产能力 Output	外形尺寸 Size	适用产品Applied Products
S85	99kw	75kw	500kg/h	3800×1100×2350mm	宠物食品、蛋白、淀粉、膨化食品 Pet Food, Protein, Snacks
LT70CL	53kw	37kw	200-250kg/h	3200×930×2000mm	顶级配置(含线性对头切,不锈钢控制柜,PLC控制) Top Configuration (Facing Cutter, Fully Stainless Steel PLC Hand-touching Screen Control Panel)
LT70L	53kw	37kw	200-250kg/h	3200×930×2000mm	宠物食品、营养米、膨化食品、早餐谷物 Pet Food /Nutrition Rice /Snacks
LT65L	47kw	30kw	180kg/h	3500×950×1850mm	
LT65-III	34kw	22kw	150kg/h	2550×900×1850mm	膨化食品、早餐谷物、宠物食品等 Snacks· Breakfast Cereals· Pet Food
FT32	10kw	6kw	10kg/h	2000×600×1500mm	实验、测试膨化率Experiment Puffing Parameters

系列单螺杆挤压主机

Series of Single Screw Extruder



LT100单螺杆挤压机
Single-screw Extruder

单螺杆挤压机设备介绍 Main Features

- 系列单螺杆挤压机主要由供料系统、挤压系统、旋切系统、加热系统、传动系统、冷却系统、控制系统组成 主要用于油炸类膨化食品的加工。
- 挤压机供料系统、主驱动系统、旋切系统均采用变频调速，动力强劲、运转平稳、省电。
- 挤压机螺杆、机筒、模具均设计循环冷却系统，保证原料在挤压中的温度平稳。
- 螺杆经特殊工艺加工，耐磨，抗疲劳，使用寿命长。
- 根据不同产品，设有不同结构和长径比的螺杆挤压系统，满足工艺要求。
- Series of Single-screw Extruder mainly consist of feeding system, extruding system, cutting system, heating system, driving system, cooling system and controlling system and are mainly used for processing of fried snack food.
- Feeding system, extruding system and cutting system all adopt frequency-conversion timing to gain powerful drive, stable perform, and electricity saving.
- Screw, machine barrel, moulds all adopt circulating cooling system to ensure that during extruding, temperature of raw materials can keep steady.
- Due to being processed by special technique, the screw is abrasion-endurable, fatigue-resistant and durable.
- By means of designing different structures and slenderness ratios according to needs of products, screw extruding system can meet different technology demands.



LTTS-II旋转头挤压机
Rotary Head Extruder

旋转头挤压机设备介绍 Main Features

- 美国技术，中国制造。
- 齿轮联动，手动控制机头间隙。
- 振动喂料，流量可调。
- 手控机座滑动，易于进料。
- 进料螺杆转速变频可调。
- American technology, made in China.
- Gravity feed hopper with vibrator for metered flow of raw materials.
- Speed control of the feed screw via the inverter(included).
- Manual head gap is controlled by mechanical ratchet.
- Table slides back via hand crank for easy adjustment of feed screw and easy access to extruder components.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	主电机功率 Main Drive Power	生产能力 Output	外形尺寸 Size	适用产品Applied Products
LT100	55kw	30kw	100kg/h	3200×1500×1650mm	二次膨化Pellet
LTTS-I	28kw	22kw	125-140kg/h	2200×1100×2000mm	粟米条 Kurume /Corn Curls /Cheetos /Niknaks
LTTS-II	30kw	22kw	200-230kg/h	2300×1150×2000mm	粟米条 Kurume /Corn Curls /Cheetos /Niknaks

系列烘烤设备/烤箱

Series of Oven/Roaster



LTD-3DII三层电烤箱(加长)
Three-layer Electric Oven(Longer)



LTD-3GII三层燃气/油烤箱(加长)
Three-layer Gas/Diesel Oven(Longer)

烤箱设备介绍

- 本系列烤箱适用范围广，可对条状、块状、粒状等膨化食品或其他物料进行干燥，用户可根据物料选用不同层数、长度、不同热源的烘干箱。
- 整机设计紧凑，合理，操作简便。
- 采用双节距滚子链传动，往返式烘干，运转平稳，绝无卡阻现象。
- 烘烤温度、时间可调，烘烤效果极佳。
- 配备高效节能燃烧系统，热源分配合理，物料受热均匀，能耗低，产量大。

Main Features

- This kind of oven has a wide range of application. It can dry all shapes of puffing food, including strip, lump, granular materials etc, as well as other types of materials. Users can choose different types with different layer, length, and heating mode.
- It has compact design and easy operation.
- The oven is droved with double pitch roller chain and heats materials circularly. It runs smoothly, never obstruction.
- Roasting temperature and time can be adjusted, effect of roasting is perfect.
- With high efficiency fuel saving system, reasonable heat distribution, material is heated equally, low energy but large output.

技术参数 Technical Parameter

型号 Model	电(油)耗 Electric/Gas/Diesel	加热温度 Heating Temperature	生产能力 Output	外形尺寸 Size	适用产品 Applied Products
LTD-3D三层电烤箱 Three-layer Electric Oven	30kw/h	~180℃	150kg/h	5400×1300×2000mm	膨化食品、玉米片早餐谷物、宠物、营养粉、变性淀粉等 Puffs, Corn Flakes & Breakfast Cereals, Pet Food, Nutritional Powder, Modified Starch etc
LTD-3G三层燃气/油烤箱 Three-layer Gas/Diesel Oven	4.8-10m³/h(Gas) 5.1-10kg/h(Diesel)	~180℃	150kg/h	6500×1600×2000mm	
LTD-3DII三层电烤箱(加长) Three-layer Electric Oven(Longer)	45kw/h	~180℃	250kg/h	7000×1600×2150mm	
LTD-3GII三层燃气/油烤箱(加长) Three-layer Gas/Diesel Oven(Longer)	16-22m³/h(Gas) 7-14kg/h(Diesel)	~180℃	250kg/h	8000×1800×2150mm	

系列干燥设备

Series of Drying Machine/Dryer



焙烤机
Baking Machine



LTD-5PD五层干燥机
Five-layer Dryer



滚筒干燥机
Rotary Dryer

技术参数 Technical Parameter

型号 Model	电(油)耗 Electric/Gas/Diesel	加热温度 Heating Temperature	生产能力 Output	外形尺寸 Size	适用产品 Applied Products
LTD-5D五层电烤箱 Five-layer Electric Oven	60kw/h	~180℃	250kg/h	5800×1300×2400mm	膨化食品、玉米片早餐谷物、宠物、营养粉、变性淀粉等 Puffs, Corn Flakes & Breakfast Cereals, Pet Food, Nutritional Powder, Modified Starch etc
LTD-5G五层燃气/油烤箱 Five-layer Gas/Diesel Oven	16-22m³/h(Gas) 7-14kg/h(Diesel)	~180℃	250kg/h	6000×1500×2400mm	
LTD-7D七层电烤箱 Seven-layer Electric Oven	120kw/h	~180℃	400-500kg/h	7800×1300×2400mm	
LTD-7G七层燃气/油烤箱 Seven-layer Gas/Diesel Oven	10-28m³/h(Gas) 16-26.1kg/h(Diesel)	~180℃	150kg/h	6500×1600×2000mm	
LTD-5PD五层干燥机 Five-layer Dryer	30kw/h	~90℃	80-150kg/h	7700×1300×2220mm	挤压油炸食品、人造米 Extruded Pellets, Artificial Rice
LTD-7PD五层干燥机 Seven-layer dryer	48kw/h	~90℃	180-250kg/h	9000×2400×3020mm	
滚筒干燥机 Rotary Dryer	75kw/h 4.8-10m³/h(Gas)	~180℃	250kg/h	6800×1300×2600mm	3D挤压油炸食品 Extruded 3D Pellets,

欧标分节烤箱定制方案
Customized roasting solution



定制方案介绍

- 共2-5段，每节3米(不包括进料和出料挨出部分)，此设备可选择2-5节。
- 烘干时间：15-60MIN；时间可以按客户要求。
- 设备分段设计，每段有独立的加热室和送风回风系统，且风循环系统实现分层送风和回风，保证了干燥效果。
- 热风循环系统内置结构，不浪费任何热量；淘汰了外置热风循环系统，解决了热量损失大，和体积大的问题。风箱保温，风道保温。
- **保温门**：加厚保温门和加厚密封条(冰箱门结构)，保温层内置多层硅酸铝，保证了非常好的密封和保温效果。高强度合页和门锁。
- 可区分各层速度，达到不同的物料摊铺厚度，利于水分排除。
- **全不锈钢结构**：
  机架和各个支撑均使用不锈钢材质
  无污染源，清洗方便。
  机架不锈钢加厚材质，结构强度高。
  箱体保温依100MM而做，保温好。
  网带不锈钢304，网带链条不锈钢，清洗方便。
- 所有不锈钢板厚度和强度高。
- 排湿方便，每节有排湿口，并方便客户自行连接至室外。

Main Features

- This oven have 2-5 segments, each section 3 meters long (not including feeding and discharging hole). This machine can choose 2-5 section.
- **Drying time:** 15 to 60 min; Time can be change according to users requirements.
- Machine use segmented design, each has its own heating chamber and air return system; And the circulation wind system adopting divided layer blowing to ensure the drying effect.
- Internal hot air circulation system structure, do not waste any heat, eliminated the outer hot air circulation system, solved the problem of great heat loss and large volume. Keep warming by bellows and duct.
- **Insulation door:** Thickening the insulation and sealing strip (the refrigerator door) structure, thermal insulation layer with a built-in multi-layer aluminum silicate to ensure the sealing and heat preservation effect. High strength hinges and locks.
- It can distinguish speed of each layer to achieve different thickness of paving material , it is benefit to the abstraction of water.
- **All stainless steel structure:**
  All of each support frame use stainless steel material;
  No pollution, easy cleaning;
  Frame use thickening stainless steel material, high structural strength;
  Thickness of body heat preservation is 100mm, good warm-keeping effect. mesh belt use 304 stainless steel and mesh belt chain use stainless steel, it is easy cleaning.
- All stainless steel plate is great thickness and high strength.
- It is convenient to exhaust humidity, each section has humidity-discharging hole. It is easy for customers to connect to the outside.



系列油炸设备
Series of Fryer Machine



LTF-L电力连续油炸机
Automatic Continuous Fryer

设备介绍 Main Features

连续炸锅主要由自动网带输送系统、提升系统、补油系统、油温控制调节系统组成，炸锅可以电、天然气、轻油为能源，适用于工业化生产，可用于膨化食品、薯条、薯片、面食、肉制品的油炸。

The continuous fryer machine consists of automatic belt convey-ing system, elevating system, oil adding system, oil temperature controlling system; fryer can use electricity, gas, and diesel as power source. Fryer can achieve industrial production, has features easy operation, stable performance and long time working, labor saving, easy maintained.



LTF-LII电力连续油炸机
Automatic Continuous Fryer



转筒滤油机
Rotating Drum Oil Filter

技术参数 Technical Parameter

型号 Model	加热功率 Heating Power	加热温度 Heating Temperature	产量 Output	外形尺寸 Size
LTF-L连续油炸机(电力型) Continuous Fryer(Electric)	97kw	~250℃	300kg/h	3000×1200×2100mm
LTF-LG连续油炸机(燃气/燃油型) Continuous Fryer(Gas/Diesel)	6-20.5m³/h(gas), 7-15kg/h(diesel)	~250℃	300kg/h	3000×1200×2100mm
LTF-LII连续油炸机(电力型) Continuous Fryer(Electric)	122kw	~250℃	400-500kg/h	4000×1300×2200mm
LTF-LGII连续油炸机(燃气/燃油型) Continuous Fryer(Gas/Diesel)	35m³/h(gas), 8-41kg/h(diesel)	~250℃	400-500kg/h	4000×1300×2200mm

油炸食品调理生产线

Fried Snacks Process System





油泵
Pump



热交换炉
Heat Exchanger Furnace



滚筒滤油机
Rotary Oil Filter



油罐
Oil Tanks



油罐
Oil Tanks

设备介绍 Introduction

该线是专为食品产品的油炸，脱油，调味及冷却工业化生产而设计的。它包括喂料系统，连续油炸系统，脱油系统，调味系统和冷却系统，具有自动化程度高，产量大，连续化生产等特点，最大程度的减少人为因素，以保障高效获得更优质的产品。

它适用范围广，可加工膨化食品，二次膨化胚料，面食类产品，豆类，坚果类产品，新鲜果蔬类产品等。根据不同产品特性，可配单层或者双层网带的油炸机。

同时公司提供相关配套设施，如油罐，油泵，滤油机，管路连接和程序操作等，可实现油位实时监控，自动补油，滤油等功能，以降低生产成本。

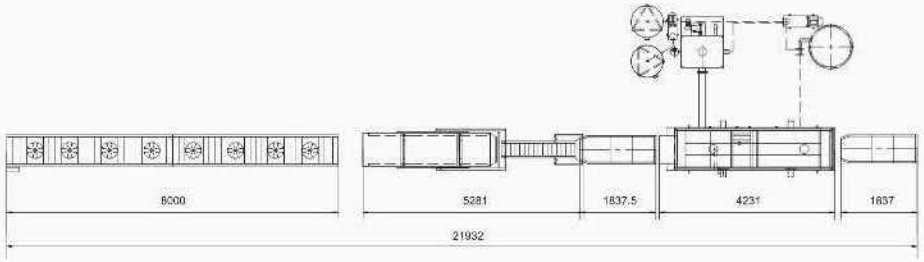
This Fried Snacks Process System is specially designed for industrial use, including feeding system, continuous frying system, de-oiling system, flavoring system and cooling system.

So it is fully automatic with high capacity and continuous process, which can avoid any workers mistake, and get the perfect fried food more precisely and efficiently.

It has widely applications, like puffed snacks, extruded pellets, dough snacks, beans, nuts, fresh vegetables, onions, potato chips, banana chips, plantain chips etc. For different food, we will apply either single belt or double belt fryers.

And we also provide auxiliary machinery or services, like oil tanks, pumps, oil filters, pipes and programs etc, they will help to monitor the oil level, feed oil automatically, filter oil, so as to save much more production cost.

生产线平面图 Layout Drawing



技术参数 Technical Parameter

型号 Model	驱动功率 Drive Power	加热温度 Heating Temperature	生产能力 Output	外形尺寸 Size	适用产品 Applied Products
LTCF-300	4.3kw	<250°C	100-300kg/h	13100×1200×3500mm	半膨化食品，二次膨化胚料，面食类产品，豆类，坚果类产品，新鲜果蔬类产品如薯片，香蕉片等 Half-Puffed Snacks, Extruded 2D/3D Pellets, Dough Snacks, Beans, Nuts, Fresh Vegetables, Onions, Potato Chips, Banana Chips, Plantain Chips etc.
LTCF-400	4.3kw	<250°C	300-500kg/h	16300×1200×3500mm	
LTCF-500	4.9kw	<250°C	500-800kg/h	21500×1200×3500mm	
LTCF-650	6.85kw	<250°C	800-1000kg/h	25100×1500×3800mm	
LTCF-800	10kw	<250°C	1000-1300kg/h	28300×1500×3800mm	



系列油炸、滤油设备
Series of Fryer, Oil Filter Machine



LTF-B自动油炸机
Automatic Batch Fryer



LT-LF30真空过滤机
Vacuum Oil Filter

自动油炸机介绍 Main Features

自动油炸机主要由油炸系统、自动提升系统、自动脱油系统及自动输送和冷却系统组成。炸锅以电、天然气或轻油为能源，能源利用率高，产量达；采用进口可编程控制系统，自动完成油炸、搅拌、脱油、出料输送，操作简单，维修保养简单，节省劳动力，提高工作效率。可适用于油炸膨化食品、油炸面食、薯片、薯条、坚果类、花生等产品。

The automatic batch fryer consists of the frying system, automatic elevating system, automatic de-oil system, automatic conveying and cooling system and can finish fry, mix, de-oil and convey automatically. Fryer can use electricity, gas or diesel as heating source and can be widely used to fry the snacks, pellets, potato chips, sticks, beans, nuts, peanuts etc.

- Compact structure of fryer, elevate, de-oil, convey, cooling function.
- Adopt PLC control achieves totally automatic working.
- Imported gas, diesel burner guarantee best power consumption with higher efficiency.
- Manuals and automatic control way, operation flexible.

自动油炸机技术参数 Technical Parameter

型号 Model	加热功率 Heating Power	加热温度 Heating Temperature	产量 Output	外形尺寸 Size
LTF-B自动油炸机(电力型) Auto Batch Fryer(Electric)	45kw	~250℃	100-200kg/h	4600×2000×2000mm
LTF-BG自动油炸机(燃油燃气型) Auto Batch Fryer(Gas/Diesel)	4.8-10m³/h(gas), 5.1-10kg/h(diesel)	~250℃	100-200kg/h	4600×2000×2000mm

真空过滤机技术参数 Technical Parameter

型号Model	流量Rate of Flow	过滤面积Filtering Area	真空气室 Vacuum Room	功率Power	外形尺寸Size
LT-LF30真空过滤机Vacuum Oil Filter	30kg/min(新油New Oil 170℃)	0.62m²(三层Three Layers)	Φ595mm	1.1kw	850×850×1100mm

系列调味、喷涂设备
Series of Flavoring Line / Coating Line



LTS-Ⅱ双滚筒调味线
Double-drum Flavoring Line

LTS-BJ八角筒
Eight square Seasoning Machine

设备介绍 Equipments of Products

- 本机采用提升机自动进料，提升机采用食品级原材料保证食品安全。
- 调味筒采用螺杆定量喂料，速度可调，先进的撒料系统，调味均匀。
- 滚筒采用一次压制成型，无死角。
- 采用进口喷油头，油量可调，喷洒均匀，加热筒设有自动电加热系统。
- Feeding system adopts hoister to convey materials.
- Flavoring material adopts screw fixed conveying, advanced flavoring system guarantee flavored evenly, speed of screw are adjustable.
- Rotary roller adopts complete molding without dead angle.
- Adopts imported oil spray nozzle, oil amount adjustable, spray evenly, adopt the electricity heating tank, pump transport oil.



LTS-I 单滚筒调味线
Single-drum Flavoring Line



LTS-PT 滚筒喷涂线
Drum Coating Line

滚筒喷涂线介绍 Main Features

- 滚筒设计采用双层保温结构，底部设有热风加热系统。浆料罐设有保温层，双罐之间可交替工作，温度可调。
- 操作简易，维护简单。
- 滚筒采用一次压制成型，无死角。
- 采用进口喷油头，油量可调节，喷洒均匀。
- The rotary drum adopts double-layer structure, has the electricity heating hot air design, roller can blow hot air and slurry tank with insulating layer. The two tanks can works alternatively. Temperature is adjustable.
- Easy operation, easy maintained.
- Rotary roller drum adopts complete molding, without dead angle.
- Oil spraying nozzle can adjust the oil amount, spraying equally.

技术参数 Technical Parameter

型号Model	装机功率Installed Power	生产能力Output	外形尺寸Size
LTS-II 双滚筒调味线 Double-drum Flavoring Line	9kw	150-200kg/h	5000×1500×2000mm
LTS-I 单滚筒调味线 Single-drum Flavoring Line	3kw	150-200kg/h	3000×1000×1800mm
LTS-PT 滚筒喷涂线Drum Coating Line	20kw	150-200kg/h	6000×1800×2300mm
LTS-BJ 八角筒Eight Square Seasoning Machine	0.55kw	10kg/Once 次	1000×1200×1700mm

系列包装机

Series of Packing Machine



机器组合 Main Features

- 全自动包装机
- 十头电脑组合秤
- Z形物料输送机、
- 振动送料机
- 支架平台
- 成品输送机
- Automatic packing machine,
- Ten heads weigher
- Z type bucket elevator
- Vibration feeder
- Supporting platform
- Finished production conveyor

设备介绍 Main Features

- 适合要求计量精度高及易碎的散装物体包装。
- 自动完成送料、计量、充填制袋、打印日期、充气(排气)、输出等过程。
- 计量精度高、效率高、不易碎料。
- Suitable to package fragile materials demanding high accuracy.
- Complete the whole procedure of feeding, measuring, bagging, date printing, charging(exhausting), finished product outputting automatically.
- High accuracy, high efficiency without crashing the materials.

技术参数 Technical Parameter

机　　型 Model	LT-420	LT-520	LT-720
最大包装速度 Capacity	Max 70bags/min	Max 60bags/min	Max 45bags/min
制袋尺寸 Bag Size	Width:60-200mm	Width:80-250mm	Width:140-350mm
	Length:60-300mm	Length:80-350mm	Length:20-450mm
最大膜宽 Max Film Width	Max 420mm	Max 520mm	Max 730mm
卷膜厚度 Film Thickness	0.04-0.09mm	0.04-0.09mm	0.06-0.12mm
拉膜方式 Pulling Belt Type	Double belts	Double belts	Double belts
耗 气 量 Consumption	0.8Mpa 0.5m^3/min	0.8Mpa 0.4m^3/min	0.8Mpa 0.8m^3/min
电源类型 Power Source	2.2kw 220V/50Hz	2.5kw 220V/50Hz	4.5kw 220V/50Hz
外形尺寸 Machine Dimension	1530×970×1600mm	1430×1200×1700mm	1780×1350×2050mm
机器重量 Weight	480Kg	680Kg	900Kg

大型立式全自动包装机配套系列

Large-sized Vertical Automatic Packing Machine Series



立式自动包装机
Vertical Packing Machine

设备介绍 Main Features

- 适合各类膨化食品，虾条，花生，玉米花，大米，巧克力，瓜子等颗粒状，条状，片状固体物料的包装。
- The machine is suitable to use in packing solid material, such as puffed food, shrimp slice, peanuts, popcorn, chocolate, seeds etc, which the shape is roll, grain, slice.

技术参数 Technical Parameter

型　　号 Model	LTK-500	LTK-1000
包装速度 Packing Speed	25-70bag/min	20-40bag/min
制袋尺寸 Bag Size	Width:50-150mm Length:50-160mm	Width:100-190mm Length:100-280mm
卷膜厚度 Film Thickness	0.04-0.07mm	0.04-0.07mm
计量范围 Filling Range	50-500ml	100-1000ml
电源类型 Power Source	2.0kw 220V/50Hz	2.0kw 220V/50Hz
外型尺寸 Dimension	1000×800×1900mm	1200×900×2000mm
机器重量 Weight	300Kg	350Kg





枕式包装机
Pillow Packing Machine

技术参数 Technical Parameter

型　　号 Model	LT-250	LT-350	LT-450
包装速度 Packing Speed	40-230bag/min	40-230bag/min	20-200bag/min
薄膜宽度 Film Width	Max. 250mm	Max. 350mm	Max. 450mm
制袋长度 Bag-making Length	65-190mm or 120-280mm	65-190mm or 120-330mm	90-220mm or 150-330mm
制袋宽度 Bag-making Width	30-110mm	50-160mm	100-260mm
产品高度 Production Height	Max. 40mm	Max. 40mm	Max. 80mm
膜卷直径 Film Roll Diameter	Max. 250mm	Max. 320mm	Max. 320mm
电源类型 Power Source	2.5kw 220V/50Hz	2.8kw 220V/50Hz	4.2kw 220V/50Hz
外型尺寸 Machine Dimension	3770×640×1400mm	4020×770×1450mm	4380×870×1500mm
机器重量 Machine Weight	500Kg	650Kg	800Kg

设备介绍 Main Features

- 适用于饼干，速食面，面包，蛋卷，方便面，月饼，药品，五金零件等袋类及纸盒/托盘等各种型形产品的枕式包装。
- Packaging various kinds of regular objects like biscuits, Bread, egg roll, instant noodle, moon cake, medicine, hardware, industrial parts, paper boxes, plates, etc.

国际品牌电器元件·确保设备稳定可靠

International brand electrical components, to ensure that the equipment is stable and reliable



台达变频器 Delta Inverter



空开 LG Air switch



台达 PLC Delta PLC



欧姆龙/富士继电器Omron/Fuji Relay



台达触摸屏 Delta Touch Screen



台达变频器 Delta Inverter



ABB电机 ABB Motor



西门子贝德电机
Siemens-China Main Motor



百得燃烧器 Italy Baltur Burner



















PROFESSIONAL
TECHNIQUE AND SERVICE

专业团队 专业服务 创造力天辉煌明天

售后服务承诺 After-sales Service Commitment

1. 提供生产配方、安装调试、操作培训等服务：专业工程师进行机器安装调试，培训企业员工熟练操作，解决机器运转遇到的问题，常年进行机器维护。
2. 专业机器维修，保养服务：长久的零部件保修保养服务，终生优惠提供零部件，设备免费保修一年。
3. 完善的客户产品质量追踪体系：对客户产品建立完整的售后质量追踪报告，专业分析，及时反馈。
4. 可非标准化生产：根据客户要求，设计并供应非标准化产品，满足顾客特殊化需求。
5. 立足全球客户需求：以"服务全球顾客"为宗旨，提供设备、工艺、原料、包装等方面的全方位咨询售后服务，真正做到让顾客无后顾之忧。

1. *Provide production formula, installation, debugging, operator training services. Professional engineers provide machine installation, training, enterprise employees, solve problem, long time for machine maintenance.*
2. *Professional machine maintenance and services. The warranty time of machine and parts is 1 year. Long time maintenance service for spare parts, components.*
3. *Perfect product quality tracking system after sale. Establish a complete product quality tracking report for every customer, professional analyze, timely feedback.*
4. *To design and supply non-standard products according to the customer request.*
5. *For the sake of the global customer, we provide equipment and technology, raw material, packing, etc. Comprehensive consulting service, let customer worry-free truly.*







油炸型奇多、粟米条生产线
Fried Cheetos /Kurkure /Niknak Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 旋转头挤压机/ Rotary Head Extruder
4. 提升机/ Hoister
5. 分离筒/ Separate Drum
6. 振动喂料机/ Vibrate Feeder
7. 连续油炸机/ Continuous Fryer
8. 振动脱油机/ Vibrate de-oil Machine
9. 调味线/ Flavoring Line





设备介绍 Equipment Introduction

粟米条生产线是一种新型的挤压膨化小食品生产设备。粟米条是采用玉米碴为主要原料，在挤压机转盘的挤压与揉搓作用下，挤出不规则的扭曲条状物料，根据客户要求可切成不同长度的产品，最后经焙烤或油炸后调味，即可生产出口味丰富的粟米条产品，因其香酥可口、营养美味而广受消费者青睐。

Kurkure are special extruded snacks, very crunchy and great in taste. They are made by a special extrusion process. The corn grits are moisturized in the flour mixer with water and fed to the Rotary Head Extruder. In the extruder, due to the two rotary plates, the corn grits are squeezed and twisted to curls shapes. The cutting knifes can cut into required lengths. The Kurkure/ Cheetos are fried in cooking oil or toasted in oven and then cooled before flavoring. Seasoning is sprayed on the surface to achieve different favorable tastes. Due to the delicious flavors and nutrition, it is quite popular with consumers.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MTKC-IF系列生产线 Cheetos Processing Line	95kw	60kw	100-130kg/h	16000×1100×2400mm
MTKC-IIF系列生产线 Cheetos Processing Line	98kw	62kw	150-180kg/h	17000×1200×2500mm

夹心米果、麦烧、休闲食品生产线
Core Filling Snacks /Puffed Snacks Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 夹心机/ Core Filler
5. 整形机/ Multi-function Shaper
6. 提升机/ Hoister
7. 烤箱/ Multi-layer Oven
8. 调味线/ Flavoring Line
9. 冷却机/ Cooling Machine
10. 提升机/ Hoister
11. 自动包装线/ Automatic Packaging Line





设备介绍 Equipment Introduction

该生产线是我公司在吸收国外同类设备先进技术的基础上，自行研发的新一代膨化食品生产设备，其技术性能和产品质量均达到同类设备的先进水平；生产线从配料、挤压、膨化、成型、夹心、切断、喷涂到成品一次完成，完全实现自动化。该生产线具有机型多，设备配置灵活，原料范围广泛，产品种类繁多，操作简单等特点。通过变换模具和生产工艺，可以生产夹心饼、膨化米果、麦烧、营养早餐等产品，适合于各种食品厂家。

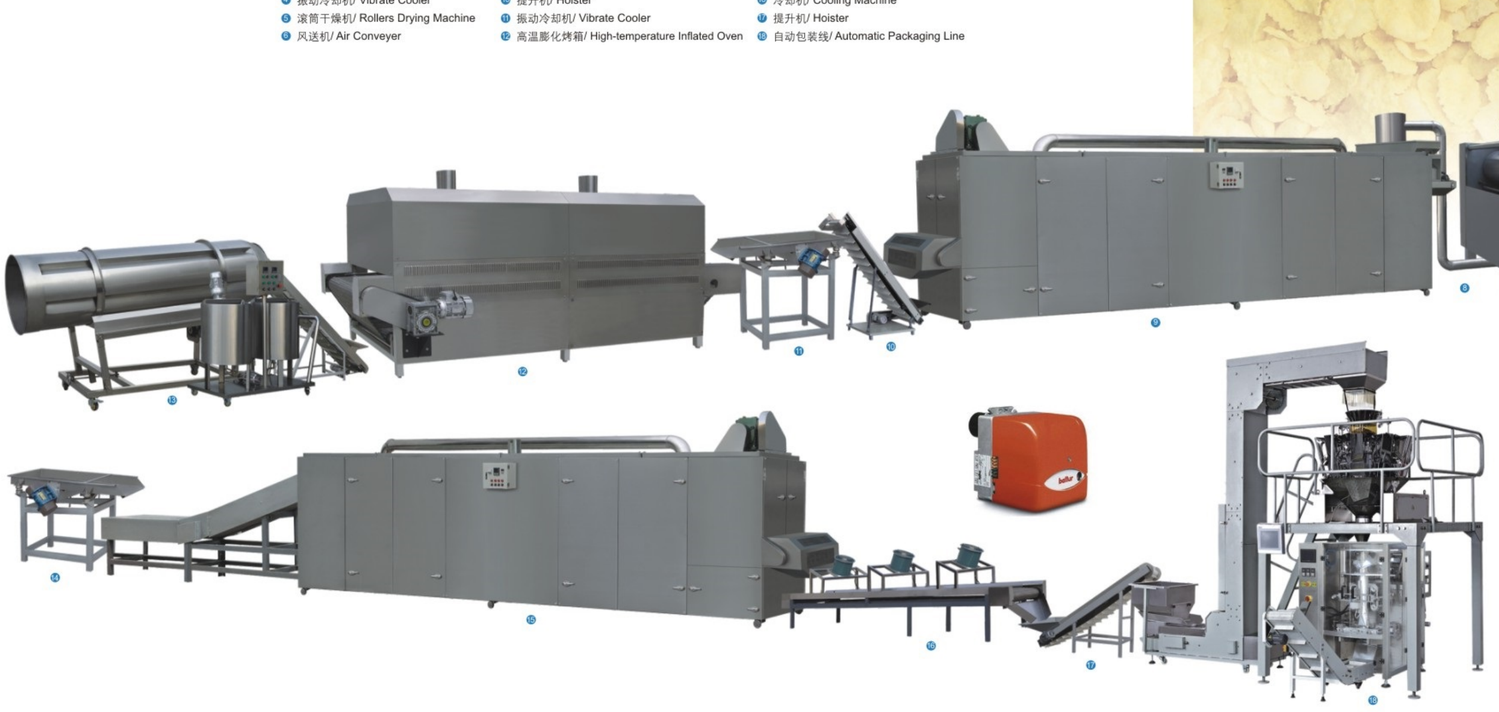
This process line is a typical type extruded food machine studied and developed by ourselves on the basis of learning from advanced technology in the world so that both its technical performance and products quality reach to the most advanced level in the world. This line can finish mixing, extruding, shaping, core-filling, cutting, baking and flavoring in one-pass operation automatically. This line features lots of types, flexible collocation, extensive applied raw materials, various snacks and easy operation. By changing the moulds and process technology, this line can produce core-filled snacks, like chocolate filled bar, cream filled pillow, rice cake, cereal bar, sheet snacks etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Inflating Snacks Process Line	84kw	59kw	120-150kg/h	21000×1200×2200mm
MT70系列生产线 Inflating Snacks Process Line	132kw	92kw	200-250kg/h	23000×1500×2200mm
Mt85系列生产线 Inflating Snacks Process Line	239kw	167kw	500-700kg/h	28000×3500×4300mm

玉米片、早餐谷物生产线
Corn Flakes /Breakfast Cereals Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 振动冷却机/ Vibrate Cooler
5. 滚筒干燥机/ Rollers Drying Machine
6. 风送机/ Air Conveyer
7. 压片机/ Flaking Machine
8. 风送机/ Air Conveyer
9. 烘干机/ Roasting Oven
10. 提升机/ Hoister
11. 振动冷却机/ Vibrate Cooler
12. 高温膨化烤箱/ High-temperature Inflated Oven
13. 喷糖机/ Sugar Sprayer
14. 振动冷却机/ Vibrate Cooler
15. 烤箱/ Multi-layer Oven
16. 冷却机/ Cooling Machine
17. 提升机/ Hoister
18. 自动包装线/ Automatic Packaging Line





设备介绍 Equipment Introduction

玉米片/早餐谷物是一种具有很高营养价值的早餐食品。它们通常以玉米粉和其他谷物为主要原料，经过混合、挤压、压片、干燥、高温焙烤以及涂糖、冷却后制成酥脆香甜的脆片。玉米片主要是用于早餐拌以牛奶和咖啡食用，也可作为休闲零食。这条生产线还可以生产其他形状的早餐谷物产品，如圆圈状、小球、月亮形等。

Corn flakes processing line can produce breakfast cereal which is one kind of nutritional convenient food which is produced by this process line, using grist as basic material, with different shapes, such as, granule, flake, animal, etc. One outstanding characteristic of the breakfast cereal is that it contains abundant compound carbohydrates and dietary fibre, strengthens lots of microelements, such as vitamin and mineral, and also can be added with cocoa and sugar, like honey and maltose. It can be drunk directly after mixed into coffee, milk, yoghourt or functional drink. Children can eat breakfast cereal as sweet crispy snack.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Corn Flakes Line	135kw	88kw	120-150kg/h	38000×1200×2200mm
MT70系列生产线 Corn Flakes Line	155kw	90kw	200-250kg/h	40000×1500×2200mm
MT85系列生产线 Corn Flakes Line	180kw	135kw	300-400kg/h	42000×3500×4300mm

营养米、人造米生产线
Nutritional Rice /Artificial Rice Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 振动冷却机/ Vibrate Cooler
5. 风送机/ Air Conveyer
6. 烘干机/ Roasting Oven
7. 提升机/ Hoister
8. 振动冷却机/ Vibrate Cooler
9. 高温烤箱/ High-temperature Oven
10. 冷却机/ Cooling Machine
11. 提升机/ Hoister
12. 自动包装线/ Automatic Packaging Line









设备介绍 Equipment Introduction

粮食是人类获取营养的主要来源之一，但是一般谷物的营养元素含量各不相同。由于谷物在加工过程中损失大量蛋白质和微量元素，使营养成分大大降低，人造大米（仿真食品）技术是挤压原理在粮食再生利用方面的突破。该技术最大特点是将人体所必需的各种营养素添加到食品中，生产出各种保健食品，疗效食品和功能食品。产品食用方便，易于消化吸收，深受消费者欢迎。

Human access to food is one of the major sources of nutrition, but the general content of nutrient elements in grains are in varies. As a result of a large number of proteins and trace elements losses during processing, so that greatly reduce nutrients, artificial rice (food Simulation) technology is crowded pressure principle of renewable use in the food breakthrough. The most important feature of technology is necessary for the body to add a variety of nutrients to foods to produce a variety of health food products, food and functional food effects. Products for human consumption easy digestion and absorption, deep by consumers.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Nutritional Rice Process Line	55kw	35kw	120-150kg/h	30000×1200×2200mm
MT70系列生产线 Nutritional Rice Process Line	60kw	40kw	200-250kg/h	32000×1500×2200mm

油炸型奇多、粟米条生产线
Fried Cheetos /Kurkure /Niknak Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 旋转头挤压机/ Rotary Head Extruder
4. 提升机/ Hoister
5. 分离筒/ Separate Drum
6. 振动喂料机/ Vibrate Feeder
7. 连续油炸机/ Continuous Fryer
8. 振动脱油机/ Vibrate de-oil Machine
9. 调味线/ Flavoring Line





设备介绍 Equipment Introduction

粟米条生产线是一种新型的挤压膨化小食品生产设备。粟米条是采用玉米碴为主要原料，在挤压机转盘的挤压与揉搓作用下，挤出不规则的扭曲条状物料，根据客户要求可切成不同长度的产品，最后经焙烤或油炸后调味，即可生产出口味丰富的粟米条产品，因其香酥可口、营养美味而广受消费者青睐。

Kurkure are special extruded snacks, very crunchy and great in taste. They are made by a special extrusion process. The corn grits are moisturized in the flour mixer with water and fed to the Rotary Head Extruder. In the extruder, due to the two rotary plates, the corn grits are squeezed and twisted to curls shapes. The cutting knifes can cut into required lengths. The Kurkure/ Cheetos are fried in cooking oil or toasted in oven and then cooled before flavoring. Seasoning is sprayed on the surface to achieve different favorable tastes. Due to the delicious flavors and nutrition, it is quite popular with consumers.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MTKC-IF系列生产线 Cheetos Processing Line	95kw	60kw	100-130kg/h	16000×1100×2400mm
MTKC-IIF系列生产线 Cheetos Processing Line	98kw	62kw	150-180kg/h	17000×1200×2500mm

组织蛋白、素肉生产线
Protein Food /Vegetarian Meat Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 风送机/ Air Conveyer
5. 烤箱/ Multi-layer Oven
6. 冷却机/ Cooling Machine





设备介绍 Equipment Introduction

植物组织蛋白食品生产线是我公司根据国内外市场的需求，根据多年的挤压膨化技术，向市场推出的一种生产高蛋白、高纤维的膨化设备。物料给螺杆的推进，在机筒内高温、高压、高捏合使其蛋白组织化，生产出的产品肉质感强，纤维状态好韧性高，深受生产厂家青睐；产品可添加到火腿，香肠，罐头食品以及多种即食食品来增加食品的咀嚼感。

Protein Food /Vegetarian Meat Processing Line is a new kind of inflating processing line which is produced and developed according to our rich experiences and the requirement of food market. This line adopts low-tempreture soybean meal as main material to produce new food which looks like muscle and has the sense of mastication. This kind of food has high nutrition and can be widely applied in many industries: ham, cam, fast-food, instant-cool food etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Protein Food Process Line	85kw	65kw	150-200kg/h	16000×1200×2200mm
MT70系列生产线 Protein Food Process Line	100kw	70kw	200-250kg/h	18000×1500×2200mm

妙脆角、沙拉、锅巴生产线
Bugles /Sala /Rice Crust Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 牵引切断机/ Pulling and Cutting Machine
5. 提升机/ Hoister
6. 分离筒/ Separate Drum
7. 振动喂料机/ Vibrate Feeder
8. 连续油炸机/ Continuous Fryer
9. 振动脱油机/ Vibrate De-oil Machine
10. 调味线/ Flavoring Line





设备介绍 Equipment Introduction

妙脆角、沙拉、锅巴生产线是玉米粉经挤压、成型及油炸而成。它的主要配料是玉米粉、水、植物油和盐。该产品大多数情况下由黄玉米制成，也可采用白玉米、红玉米来生产。经过油炸后，用各种味道的调味粉喷洒在表面。仅通过变换模具和成型机与切断机即可改变形状：条状、带波纹的方片状、菱形片状、波浪形片状、枕头形以及号角形等。生产的锅巴、沙拉条、沙拉片、尖角脆、妙脆角等食品花色多样、口感酥脆而不油腻。

The Doritos /Sala /Bugles /Corn Chips are kinds of snacks made from corn powder, which are extruded, cut and then fried. The main raw materials are corn powder, water, vegetable oil and salt. Although usually made of yellow corn (as pictured), they can also be made of white or red corn or wheat flour. After frying and flavoring, we get very crunchy triangle or other shapes chips which are popular with both children and adult. Only by changing the moulds, shaping or cutting machine, the shapes can be various, like sticks, square sheet rib chips, diamond chips, wavy chips, pillow shapes and bugles etc. The taste is savory and not greasy.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Doritos /Sala /Bugles Process Line	118kw	75kw	120-150kg/h	22000×1200×2200mm
MT70系列生产线 Doritos /Sala /Bugles Process Line	125kw	82kw	200-250kg/h	24000×1500×2200mm

三角片、多力多滋生产线
Doritos /Tortilla Chips Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 牵引切断机/ Pulling and Cutting Machine
5. 提升机/ Hoister
6. 分离筒/ Separate Drum
7. 振动喂料机/ Vibrate Feeder
8. 高温烤箱/ High-temperature Oven
9. 连续油炸机/ Continuous Fryer
10. 振动脱油机/ Vibrate De-oil Machine
11. 调味线/ Flavoring Line
12. 冷却机/ Cooling Machine
13. 提升机/ Hoister
14. 自动包装线/ Automatic Packaging Line



设备介绍 Equipment Introduction

三角片、多力多滋生产线是主要以玉米粉、玉米淀粉、大米粉为主要原料，经过挤压膨化，压延成三角形、圆形、方形等多种形状的薄片，再烘焙调味而成。其口感酥脆，营养丰富、易于消化，深受国内外不同年龄阶层人群的喜爱。成型后的余料粉碎后可再利用，极大的降低了生产成本。

Doritos /Tortilla Chips Processing Line uses corn powder, corn starch, and rice powder as main material which are extruded, punched into triangle, round, square shapes, and then baked and flavored. Such snacks with crispy taste, rich nutrition and digestible structure are very popular with many people all over the world. And most important, the waste punching chip can be reused after grinded into powder, which can greatly reduce the production cost.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Doritos /Sala /Bugles Process Line	118kw	75kw	120-150kg/h	30000×1200×2200mm
MT70系列生产线 Doritos /Sala /Bugles Process Line	125kw	82kw	200-250kg/h	32000×1500×2200mm

营养粉、婴儿米粉生产线
Nutrition Powder /Baby Rice Powder Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 风送机/ Air Conveyer
5. 烤箱/ Multi-layer Oven
6. 风送机/ Air Conveyer
7. 自动粉碎系统/ Automatic Grinding System
8. 混料机/ Blending Machine





设备介绍 Equipment Introduction

该生产线以大米、玉米、豆类等各种谷物为原料，经挤压膨化、干燥、粉碎和混合，可生产各种营养粉，如婴儿米粉、芝麻糊和豆粉等。生产线从投料开始工艺流程自动完成，操作简单，无粉尘泄露，卫生节能。可方便地配以各种原料和营养素。该生产线经过调节双螺杆挤压机机筒和螺杆结构，可以同时生产多元化的变性淀粉系列产品,适用于纺织品制造，食品加工，造纸，建材，铸造，石油钻井等领域。

This process line uses rice, corn, beans and all kinds of grains as raw materials. Through extruding, inflating, drying, crushing and mixing, it could produce many kinds of nutrition powder, such as baby rice powder, sesame paste, beans powder and so on. This line could finish all the process automatically from the feeding to the end. It has features of easy operation, without leak of powder dust, sanitation, saving energy and easy to add all kinds of raw materials and nutriment. This process line can make modified Starch, denatured starch, pre gel starch by changing different designed barrel and screws of double screw extruder. Modified starch is widely used in textile, food process, oil drilling, paper, construction industries etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Nutrition Powder Processing Line	65kw	50kw	120-150kg/h	18500×1200×2200mm
MT70系列生产线 Nutrition Powder Processing Line	100kw	65kw	200-250kg/h	21000×1500×2200mm

面包糠生产线
Bread Crumb Processing Line



1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 牵引切断机/ Pulling and Cutting Machine
5. 提升机/ Hoister
6. 烤箱/ Multi-layer Oven
7. 提升机/ Hoister
8. 粉糠机/ Pulverizer
9. 风送机/ Air Conveyer
10. 筛糠机/ Sizer





设备介绍 Equipment Introduction

“面包糠”是广泛使用的食品添加辅料，主要用于西餐炸牛排、炸鸡腿等油炸辅料。我公司研制开发的“面包糠”专用生产线生产改变了传统面包糠的生产工艺，从面料投入到打碎成型均为流水线生产，人员少、余料可重复使用、无废料、降低了制造成本、提高了劳动生产率。主要产品针状屑、颗粒屑、针状糠、颗粒糠。

Bread crumb is the widespread use food increase supplementary material, mainly uses in the western-style food exploding the beefsteak, exploding the chicken leg and so on to fry in oil the supplementary material. Our company develops the development "bread crumb" special-purpose production line production changed the traditional bread crumb technique of production, invests from the lining to destroys the formation is the production-runs, the personnel are few, the excess stock might duplicate uses, does not have the waste material, to reduce the production cost, to raise the labor productivity. Main product acicular crumb, granular crumb etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Bread Crumb Processing Line	65kw	45kw	120-150kg/h	24000×1200×2200mm
MT70系列生产线 Bread Crumb Processing Line	75kw	50kw	200-250kg/h	25000×1500×2200mm

营养粉、婴儿米粉生产线
Nutrition Powder /Baby Rice Powder Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 风送机/ Air Conveyer
5. 烤箱/ Multi-layer Oven
6. 风送机/ Air Conveyer
7. 自动粉碎系统/ Automatic Grinding System
8. 混料机/ Blending Machine





设备介绍 Equipment Introduction

该生产线以大米、玉米、豆类等各种谷物为原料，经挤压膨化、干燥、粉碎和混合，可生产各种营养粉，如婴儿米粉、芝麻糊和豆粉等。生产线从投料开始工艺流程自动完成，操作简单，无粉尘泄露，卫生节能。可方便地配以各种原料和营养素。该生产线经过调节双螺杆挤压机机筒和螺杆结构，可以同时生产多元化的变性淀粉系列产品,适用于纺织品制造，食品加工，造纸，建材，铸造，石油钻井等领域。

This process line uses rice, corn, beans and all kinds of grains as raw materials. Through extruding, inflating, drying, crushing and mixing, it could produce many kinds of nutrition powder, such as baby rice powder, sesame paste, beans powder and so on. This line could finish all the process automatically from the feeding to the end. It has features of easy operation, without leak of powder dust, sanitation, saving energy and easy to add all kinds of raw materials and nutriment. This process line can make modified Starch, denatured starch, pre gel starch by changing different designed barrel and screws of double screw extruder. Modified starch is widely used in textile, food process, oil drilling, paper, construction industries etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Nutrition Powder Processing Line	65kw	50kw	120-150kg/h	18500×1200×2200mm
MT70系列生产线 Nutrition Powder Processing Line	100kw	65kw	200-250kg/h	21000×1500×2200mm

宠物食品生产线
Pet and Animal Food Processing Line





1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 风送机/ Air Conveyer
5. 烤箱/ Multi-layer Oven
6. 调味线/ Flavoring Line
7. 冷却机/ Cooling Machine





设备介绍 Equipment Introduction

宠物食品生产线赋于宠物食品以新颖的形状，独特的口味和色彩，并且以最科学的营养配比和易于消化等特点来适应不断发展的宠物食品市场。操作简单、易学、精确的参数控制，确保产品在特定的温度、压力、湿度和时间里完成。合理的结构设计，特殊的材质，快速的自洁性能确保机械的稳定性及便于维修。丰富多采的形状和口味适应各种宠物食品的要求。宠物食品生产线由拌粉机、双螺杆挤出机、风送机、干燥机和涂衣机组成。

Pet-food processing Line is used to produce pet food with novel shape, particular taste and color. Scientific nutrition combination catch up the trend the market. With simple operation, accurate parameter control, the products can be finished in the stipulated temperature, pressure, humidity and time. Owing to the reasonable design, special materials, the stability, repairs can be guaranteed and ensured. The various shape and taste must meet the different requirements of pet food. This line consists of mixer, double-screw extruder, air conveyor, dryer and coating machine.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Pet and Animal Food Process Line	75kw	45kw	120-150kg/h	22000×1200×2200mm
MT70系列生产线 Pet and Animal Food Process Line	95kw	60kw	200-250kg/h	24000×1500×2200mm

咬胶型、夹心型宠物食品生产线
Chewing /Jam Center Pet Food Processing Line



1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 单螺杆挤压机/ Single-screw Extruder
4. 冷却机/ Cooling Machine
5. 切断机/ Cutter
6. 提升机/ Hoister
7. 烤箱/ Multi-layer Oven





设备介绍 Equipment Introduction

该生产线以大米、玉米、豆类等各种谷物为原料，经挤压膨化、干燥、粉碎和混合，可生产各种营养粉，如婴儿米粉、芝麻糊和豆粉等。生产线从投料开始工艺流程自动完成，操作简单，无粉尘泄露，卫生节能。可方便地配以各种原料和营养素。该生产线经过调节双螺杆挤压机机筒和螺杆结构，可以同时生产多元化的变性淀粉系列产品，适用于纺织品制造，食品加工，造纸，建材，铸造，石油钻井等领域。

This process line uses rice, corn, beans and all kinds of grains as raw materials. Through extruding, inflating, drying, crushing and mixing, it could produce many kinds of nutrition powder, such as baby rice powder, sesame paste, beans powder and so on. This line could finish all the process automatically from the feeding to the end. It has features of easy operation, without leak of powder dust, sanitation, saving energy and easy to add all kinds of raw materials and nutriment. This process line can make modified Starch, denatured starch, pre gel starch by changing different designed barrel and screws of double screw extruder. Modified starch is widely used in textile, food process, oil drilling, paper, construction industries etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT80系列生产线 Chewing Pet Food Processing Line	55kw	40kw	80-120kg/h	18000×2000×2000mm
MT100系列生产线 Chewing Pet Food Processing Line	65kw	50kw	100-150kg/h	19000×2000×2000mm

螺旋、贝壳、挤压油炸食品生产线
Screw /Shell /Extrusion Fried Pellet Snacks Processing Line

1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 单螺杆挤压机/ Single-screw Extruder
4. 牵引切断机/ Drawing and Cutting Machine
5. 冷却床/ Cooling Machine
6. 热风干燥机/ Drying Machine
7. 连续油炸机/ Continuous Fryer
8. 调味线/ Flavoring Line











MTF-II自动油炸机
Automatic Fryer



设备介绍 Equipment Introduction

该生产线主要以马铃薯淀粉、玉米淀粉、木薯淀粉和面粉等为原料，经过单螺杆挤压机挤压熟化后，切断成各种形状的半成品胚料。通过更换不同的模具可以生产出贝壳、螺旋、管状、片状等立体和平面形状新颖的产品；再经过油炸膨化后，通过滚筒调味设备喷洒调味粉，即可成为香脆可口，味道鲜美的休闲食品。亦可以通过搭配不同的整形设备生产出3D、波纹片、虾片等膨化食品。

This process line is designed for making the pellets, chips, fried snacks by single screw extruder machine. Raw materials can be potato starch, corn starch, wheat flour, cassava starch etc. Through the extruder cooking, the snacks can be shaped in many different shapes, like shell, screw, spiral, square tube, circle tube, and so on. After drying and frying, flavoring with the flavor powder can get delicious snacks food. Also, by changing the shaping machine we can produce 3D pellet, waved chips, potato chips, shrimp chips and so on.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT80系列生产线 Chewing Pet Food Processing Line	70kw	50kw	80-120kg/h	20000×2000×2000mm
MT100系列生产线 Chewing Pet Food Processing Line	95kw	70kw	100-150kg/h	26000×2000×2000mm

油炸面食生产线
Fried Pasta Processing Line

1. 拌面机/ Dough Mixer
2. 复合压延机/ Compound Rolling Machine
3. 提升机 / Hoister
4. 连续油炸机/ Continuous Fryer
5. 振动脱油机/ Vibrate De-oiling Machine
6. 调味线/ Flavoring Line
7. 输送冷却机/ Cooling Conveyor
8. 储料箱/ Storage Bin

New





设备介绍 Equipment Introduction

该生产线以面粉为主要原料，采用螺杆挤压成型技术辅以形状各异的挤出模具挤出成型，再经油炸、调味制成“沙拉”、“香蕉片”、“比萨卷”、“贝壳酥”、“猫耳酥”、“田螺” 等多种形状及口味的油炸面食食品，产品造型逼真、组织细腻、口感酥脆。挤出成型的制品可直接油炸，无需烘干，生产工艺简单，设备投资小，是中小型企业的理想选择。

This processing line adopts wheat flower as raw material to produce different shapes under extrusion technology and different moulds, after frying and seasoning, you will get different shape and taste fried pasta food, such as pizza roll, shell crispy, whelk crispy, cat-ear crispy, crispy pea etc. The product look like true and taste crispy and delicious after frying. No need dryer, simple technics, little invest. It is the best choice for middle-size enterprise.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MTF-I系列生产线 Fried Pasta Processing Line	65kw	45kw	120-150kg/h	14000×3000×2500mm
MTF-II系列生产线 Fried Pasta Processing Line	75kw	50kw	200-250kg/h	16000×3000×2500mm

全自动小型方便面生产线
Automatic Instant Noodle Processing Line

1. 和面机/ Dough maker
2. 成型机/ Roller pressing machine
3. 蒸煮机/ Boling machine
4. 切断机/ Cutting machine
5. 电力炸锅(蒸气炸锅)/ Electric fryer (steam fryer)
6. 冷却机/ Cooler





设备介绍 Equipment Introduction

该生产线是我公司在研究国内外同类产品的基础上，生产的具有小型化特点的新一代产品。其工艺完善、结构紧凑、设计新颖、性能稳定可靠。生产从面粉到成品自动完成，操作简单、产量适中、节约能源、占地面积小，具有投资少、见效快的特点。生产的波纹方便面，复水时间短，有良好的弹性、光滑度及透明度，可与市场流行的大型设备相媲美。

This process line, with perfect technology, compact structure, original design and stable performance, is developed on the base of advanced produces and requirements in the world market. It realizes high automation, convenient operation, low energy and small floor space, that assures all working procedures from feeding flour to finished products can be accomplished once. The investment for this line is only one tenth of that larger size equipment, especially suitable to small-size or self-owned enterprises. The corrugated instant noodle produced by this line is tenacious smooth and transparent.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MTE-I系列生产线 Instant Noodle Processing Line	85kw	50kw	11000pcs/8h	20000×1200×1800mm
MTS-I系列生产线 Instant Noodle Processing Line	10kw	10kw	11000pcs/8h	20000×1300×1800mm

系列双螺杆主机
Series of Double-screw Extruder





MT70-II双螺杆挤压膨化机
Double-screw extruder



MT85-II双螺杆挤压膨化机
Double-screw extruder



MT65-II双螺杆挤压膨化机
Double-screw extruder



MT100双螺杆挤压膨化机
Double-screw extruder

设备介绍 Equipment Introduction

- 系列双螺杆挤压机主要由供料系统、挤压系统、旋切系统、加热系统、传动系统、润滑系统、控制系统组成。
- 供料系统，驱动系统，旋切系统采用变频调速、动力强劲、运转平稳。
- 自动润滑、强迫冷却、确保挤压机安全运转。
- 针对不同原料，选择单，双螺杆加料系统，加料均匀、稳定可靠。
- 螺杆经特殊工艺加工，耐磨、抗疲劳，使用寿命长。
- 不同螺杆长径比结构满足不同工艺要求。
- Series of twin screw Inflating extruder are consisting of feeding system, extruding system, cutting system, heating system, Gearing system and controlling system.
- Consists of feeding system, extruding system and cutting system, adopts frequency speed controlling with high automation and stable per-formation.
- Automatic lubricating, cooling, to guarantee the extruder running safely.
- According to different material, to choose the relative single or double screw feeding system, the material should be uniformity and stable.
- Screw is made by special technique, is able to bear grinding, steady and reliable, longer using life.
- According to different screw design rate to full different technology request.

技术参数 Technical Parameter

主机型号/Model	MT85-II	MT70-II	MT65	MT100
装机功率Installed Power	90kw	46kw	46kw	46kw
实耗功率Power Consumption	55kw	30kw	30kw	30kw
生产能力Output	300-500kg/h	150-250kg/h	150-250kg/h	80-120kg/h
外型尺寸Size	4500×1200×2300mm	3600×1100×2000mm	3600×1000×2000mm	3200×1100×2000mm

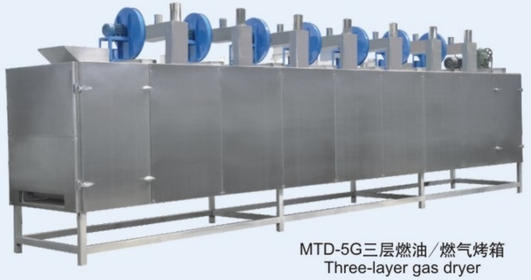
系列烘烤干燥设备
Series of Dryer



MTD-3D三层电烤箱
Three-layer electric dryer



MTD-3G三层燃油/燃气烤箱
Three-layer gas dryer



MTD-5G三层燃油/燃气烤箱
Three-layer gas dryer

设备介绍 Equipment Introduction

- 本系列烤箱适用范围广，可对条状，块状，粒状等膨化食品或其它物料干燥，用户可根据要求选用不同层数，不同长度，不同热源的烘干箱。
- 整机设计紧凑，合理，操作简便。
- 传动采用双节距滚子链传动，往返式烘干，运转平稳，决无卡阻现象。
- 干燥温度，时间可调，烘干效果及佳。
- 配备高效节能燃烧系统，热源分配合理，受热均匀、能耗低、产量大。
- These series of roasting oven are widely used for drying all kinds of stick, piece, grain. Shapes of inflating snack food other materials. The user can choose different types of dryer according to layer, length or energy.
- The whole machine is compact design, logical and easy operation.
- Driving system adopts double pitch roller chain driving, circulating drying, and balanced running, never jam.
- Drying temperature and time can be adjusted, effect of drying is capitally.
- With high efficiency fuel saving system, reasonable heat distribution, material be heated equally, low energy but large output.

技术参数 Technical Parameter

主机型号Model	MTD-3D	MTD-5D	MTD-3G	MTD-5G
电(油)耗Electric(gas) Consumption	28kw	42kw	5-10kg/h(gas)	15-20kg/h(gas)
加热温度Heating Temperature	~200℃	~200℃	~200℃	~200℃
生产能力Output	120-180kg/h	150-200kg/h	150-250kg/h	200-250kg/h
外型尺寸Size	5200×1250×1800mm	5500×1250×2200mm	5800×1500×2000mm	5800×1500×2500mm

系列油炸、调味设备
Series of Fryer and Flavoring Machinery



MTF-II自动油炸机
Automatic Fryer



MTS-II双滚筒调味线
Double-drum Flavoring Line



MTB-II八角调味机
Eight Angle Flavoring Machine



MTL-II自动连续油炸线
Automatic Continues Fried Line

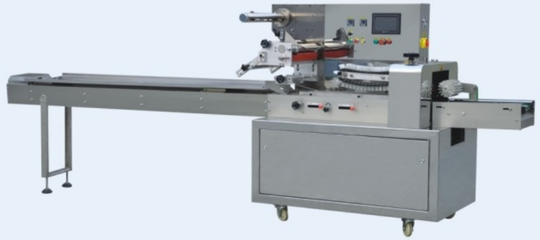
技术参数 Technical Parameter

主机型号Model	MTF-II油炸机	MTL-II连续油炸线	MTS-II调味线	MTB-II调味机
装机功率Installed Power	55kw	95kw	4.5kw	0.6kw
实耗功率Power Consumption	45kw	70kw	3.0kw	0.5kw
生产能力Output	100-200kg/h	250-350kg/h	150-200kg/h	8-12kg/once
外型尺寸Size	4500×2000×2000mm	5500×1200×2100mm	5000×1500×2000mm	1000×1200×1700mm

系列包装机
Series of Packing Machinery



MT-520全自动颗粒包装生产线(组合称量)
Full-automatic Vertical Granule Packaging Line



MT-450高速枕式包装机
Fast Pillow Packaging Machine

设备介绍 Equipment Introduction

- 进口PLC全电脑控制系统，人机界面，触摸屏操作简便、直观，性能卓越；
- 伺服运膜系统，定位准确、包装美观；完善的自动报警保护功能，将损耗减到最低
- 本机与计量装置配套即可自动完成计量、送料、充填制袋、日期打印的全部包装过程。
- PLC control with touch panel-step by step instruction.
- Equipped with servo winding system, pneumatic control system.
- The maximize to improve the whole machine's precision, reliability and stability.
- The perfect automatic alarm safety protection, little waste. This machine completes the whole packing procedure of measuring, feeding, bagging, date printing, products out-putting.



MT-398自动包装机
Automatic Packaging Machine

技术参数 Technical Parameter

主机型号Model	MT-520	MT-450	MT-398
电源规格Power specification	3.5Kw/220V, 50Hz	4.2Kw/220V, 50Hz	3.0Kw/220V, 50Hz
包装速度Packing speed	⩽45bags/Min	20-200bag/min	⩽45bag/min
包装袋尺寸Pouch size	W:100-250mm L:100-350mm	W:100-260mm L:150-330mm	W:50-200mm L:100-300mm
外型尺寸Dimension	1450×1200×1700mm	4380×870×1500mm	1050×950×1250mm

Fully Automatic Granular Packing Machine

This production line is mainly composed of automatic packaging machine, four-bucket scale, continuous bucket feeder and finished product conveyor. It is suitable for automatic measurement and packaging of candy, nuts, raisins, peanuts, melon seeds, nuts, grains and other irregular lumps.



The Main Functions of Equipment:

1. Reduce production cost and management cost: a packaging line reduces 4-10 workers, and the input cost can be recovered within one year.
2. Improve the product grade: The product meets the unified standard in appearance and packaging quality.
3. Reduce the rate of defective products, and the rate of finished products reaches over 99.5%, so as to avoid the waste of manual packaging.
4. Improve hygienic standards: packaging process does not have direct contact with people to avoid human pollution.
5. Use four-bucket electronic scale to measure accurately, with high accuracy, saving raw materials and cost.

Main Performance and Characteristics:

1. The packing range is wide: it is suitable for granular products of various shapes, States and properties.
2. Easy to operate: PLC control and man-machine interface operation system make the operation intuitive and convenient.
3. Easy to adjust: the replacement of varieties should be completed in less than ten minutes.
4. Packaging film suitable for different materials.
5. Perfect prevention system to ensure the yield of finished products and not waste bags and materials.
6. Stainless steel materials are used in the machine packaging parts to ensure the hygiene and safety of the materials.
7. High degree of automation: unmanned in the whole process of weighing and packaging, failure, automatic alarm.
8. Imported engineering plastics are partly used without refueling to reduce pollution to materials.
9. Use oil-free vacuum pump to avoid pollution of production environment.

Main Performance and Technical Characteristics of Four-Bucket Scale

1. High-precision digital sensor makes precise measurement instantaneous.
2. Microcomputer control system, advanced technology, simple operation, more reliable use.
3. Fast and slow vibration feeding, automatic error correction, high precision packaging.
4. Four scales work alternately, packing speed is fast.
5. High-quality stainless steel is used in the contact part with materials, which is anti-corrosion, dust-proof and easy to clean.
6. Strong compatibility, easy to use with other packaging equipment.

Product Parameters:

Name	Standard Four-Bucket Electronic Scale
Model	YL-C04
Weighing range	500-1000g
Accuracy of weighing	±0.5 ~ 5g
hopper capacity	7L
Monitor	PLC Touch screen
Maximum speed	40 Pack / min

Main Properties and Structural Characteristics of Packaging:

1. New design, beautiful appearance, more reasonable structure, more advanced technology.
2. Imported PLC full-computer control system, color touch screen, easy to operate, intuitive and efficient.
3. Imported servo film transport system, imported color sensor, accurate positioning, excellent performance, beautiful packaging.
4. Various automatic alarm and protection functions to minimize loss.
5. Bag diversification, providing customers with pillow-shaped bags, corner pockets, hanging pockets, even bags.

Optional Device:

Machine model	YL-420D
Film width	Max:420mm
Bag length	80-300mm
Bag width	60-200mm
Packaging speed	5-60bag/min
Packaging scope	150-1500ml
Machine size	1220*1020*1350
Machine weight	650KG

Continuous Bucket Elevator

The machine can improve all kinds of granular materials, reduce labor intensity, improve labor efficiency and material contact parts are made of stainless steel, easy to clean. Automatic feeding, automatic stop, can be used with a variety of equipment.





Quotation

Multi-head weigher packing machine

Model	Picture	FOB Price	Specification
HS-398A			**Speed: 10-80bag/min (max)** **Bagsize:50-300L 60-210mm W** **Capacity: 150-1300ml** **Film thickness: 0.04-0.08mm** **Power: 2.2KW/220V 50-60HZ** **Max film: 440mm** **Machine weight: 400kg**

Combined parts:

I. The unit

①HS-398main frame ②10-hopper computer combination scale ③Supporting platform

④ Z type material conveyer Includes Vibration feeder ⑤ Finished products conveyer

1、HS-398 Large vertical automatic packaging machine



I. The scope of packaging

It's suitable to use in packing the high accuracy and easy fragile material, such as : puffy food , crispy rice , Potato Chips , Snacks , candy , pistachio , sugar , apple slices , dumpling , chocolate , pet food , small wares etc .

II. The major performance and structural feature

*Imported PLC computer control system with human-machine interface; touch screen is simple and direct-viewing in operation;

*precise positioning with servo film transporting system; excellent complete machine performance and nice packing;

* minimize the loss with complete automatic warn protection function;

* supported with metric device, the machine will automatically complete all packaging processes from measuring, feeding, filling, bag ma

* The way of bag making: the machine can make pillow-type bag and standing bag according to customer's requirements.

III. Technical parameter

Items	Content
Packing speed	5-80 bag/min
Bag size	(L)50-300mm (W)70-210mm
Bag making mode	Pillow-type bag, standing bag, punch
Range of measuring	150-1300ml
The maximum width of packing film	430mm
Thickness of film	0.04-0.08mm
Air consumption	200L/min 0.7×10^5Pa
Main power/voltage	2.2KW/220V 50-60Hz
Dimension	1400×970×1600mm
The weight of switchboard	400kg

IV. The main components and brand of this machine as following:

Number	新 Name	Brand	Country
1	Touch sensitive screen 触摸屏	威纶 WEINVIEW	台湾
2	PLC 可编程控制器	三菱 MUTISUBISH	日本
3	Servo motor 伺服电机	施耐德	法国
4	Horizontal cylinder 横封气缸	SMC	JAP
5	Vertical cylinder 竖封气缸	SMC	JAP
6	Cutting cylinder 切刀气缸	SMC	JAP
7	Two units system 二连体	SNS	JAP
8	Solid state relay 固态继电器	阳明 FOTEK	TAIWAN
9	Intermediate state relay 中间继电器	OMRON	JAPAN
10	Photoelectric eye 电眼	BAIDELI	TAIWAN
11	Power 电源	MW	TAIWAN
12	winding motor 拉膜电机	GPG	TAIWAN 台湾
13	Control temperature 温控表	YATAI	上海亚泰
14	Access switch 接近开关	阳明 FOTEK	TAIWAN 台湾
15	打码机	DS	CHIAN 浙江
16	电磁阀 Electromagnetic valve	Mindman 金器/SMC	TAIWAN 台湾

2、HS-A　Features of ten-hopper computer combination scale



I. Main performance and structural features

Suitable range: dosing and weighing of grain, chip, bar or irregular shaped material such as candy, sunflower seed, potato chip, happy fruit, peanut, jelly, freezing rice dumpling, biscuit, chocolate, nut, pet food, puffed food, small metal parts and plastic parts, etc.

*Select the best combination immediately from diversified weight combinations through computer with perfect combination of high precision and high speed.

*High precision data-type weighing sensor realizes precise weighing.

*Liquid crystal screen operating system in multiple languages such as Chinese and English, etc.

*IP65 grade water-proof and dust-proof design. It's clean and sanitary with all stainless steel parts. Full sealed design prevents accumulation of material and facilitates cleaning.

*It can fine the opening and closing speed of hopper door according to the features of items to be weighed, and prevent crushing and blocking of material.

*With powerful digital automatic counting function, it can record the index for each batch of product such as total bag number, pass rate and difference of single bag, etc.

*Optional devices: triply balance ball, suction hopper, printing device, tolerance sorting device.

*Strong compatibility and more compact structure with it directly installed on the upper part of packing machine.

*Fast return for investment by largely saving large quantity of raw material and labor cost.

*Net weight: 300kg; Gross weight: 370kg

*Voltage: 220V; Power: 1500W; Frequency: 50/60HZ; Rated current: 9A.

*Out package dimension(mm)：1400(L)×1130(W)×1120(H):

II. Technical parameter

Type	ten-hopper computer combination scale
Range of single weighing	10-1000g
Maximum weighing quality	3000g
Average tolerance for single bag	0.2-0.5g
Range of weighing precision	0.1-1.5g
Maximum weighing speed	70 bags /minute
Hopper capacity	1300ml
Hopper type	Bi-row hopper without memory
Driving	Step motor
Preset number for product	99 kinds
Size of machine body(mm)	1150(L)X950(W)X1129(H)

3、Z type bucket elevator



Features

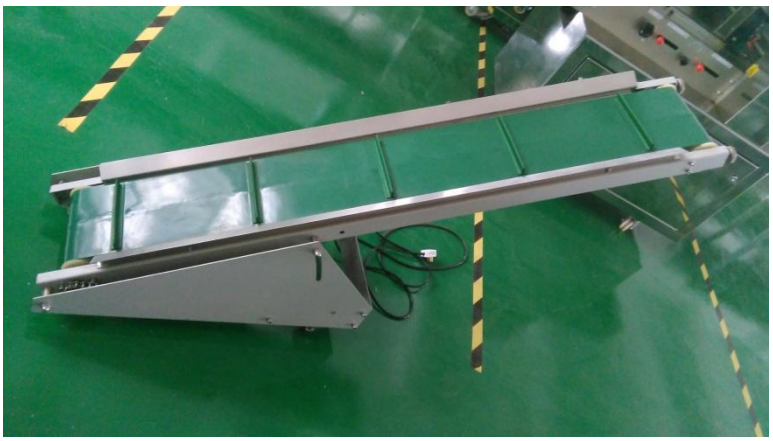
It’ s suitable use in delivery the grain, food, food stuff etc.

Conveyor with the character of large quantity. NO crash material. High Lifting etc.

Lifting height:3.3-10m(according to customer’s requires)

It can be made both stainless steel and plastic painted .The contact parts of food grade plastic.

4、product conveyor



5、Working Platform



HS-398 full-automatic packaging machine

1. Spare parts

Name	*Quality*
Horizontal seal heat piece	*4pcs*
Vertical seal heat piece	*2pcs*
Drawing web	*1pcs*
Winding belt	*1pcs*
Digits characters	*1box*
Zigzag cutting knife	*1pcs*
Hand book	*1set*

2. Spare tools

Name	*Quality*
Inner hexagon level	*1set*
Copper brush	*1pcs*
Movement spanner	*1pcs*

3、电子秤随机配件

名　称/NAME	单台配置数量　NO./SET
料斗专用拉簧加固定胶 bucket special pull-spring reinforce glue	4sets ☐
原点检测传感器 origin checking load cell	2sets ☐
电振机悬挂弹簧 electric shaker hanging spring	3pcs ☐
曲拐专用转套 winch special wheel-set	5pcs ☐
料斗专用转套 bucket special wheel-set	5pcs ☐
称重传感器 4kg weighting load cell	1pcs ☐

4、电子秤随机工具

300g 砝码　（ Poise）	1 个	（1　pc）
3mm 六角扳手（inner hexangular spoc）	1 个	（1　pc）
4mm 六角扳手（ inner hexangular spoc）	1 个	（1　pc）
6mm 六角匙（inner hexangular spoc）	1 个	（1　pc）



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PRODUCTION LINE OF FRIED POTATOES

Production Capacity: Potato Chips Processing Line (300-500Kg/hr fresh potatoes)





Continuous Frying Line with Packaging Machines (300Kg/hr)

A. Equipment List

No.	Name	Model	Unit Price ($)	Quantity	Total Price ($)
1	Feeding Conveyor	LTSS-300		1 Set	
2	Continuous Belt Frying Machine	LTCF-400		1 Set	
3	External Gas Furnace	300000KCAL		1 Set	
4	Circulation Pump	BRY80-65-200		2 Sets	
5	Centrifuge Oil Filter	LY-800		1 Set	
6	Oil Tank	1000L		2 Sets	
7	Oil Feeding Pump	BRY25-25-160		2 Sets	
8	Installation Pipes and Valves	***		1 Set	
9	Vibration Deoiler	LTZY-200		1 Set	
10	Continuous Drum Flavoring Machine	LTS-I		1 Set	
11	Cooling Conveyor	LTLQ-600		1 Set	
12	Automatic Sachet Packaging Line	LT-420		1 Set	
13	Nitrogen Generator	DP-5		1 Set	
				Total FOB Qingdao Price:	

B. Flow Chart

C. Feeding → Washing and Peeling → Sorting → Elevating → Slicing → Rinsing →

D.

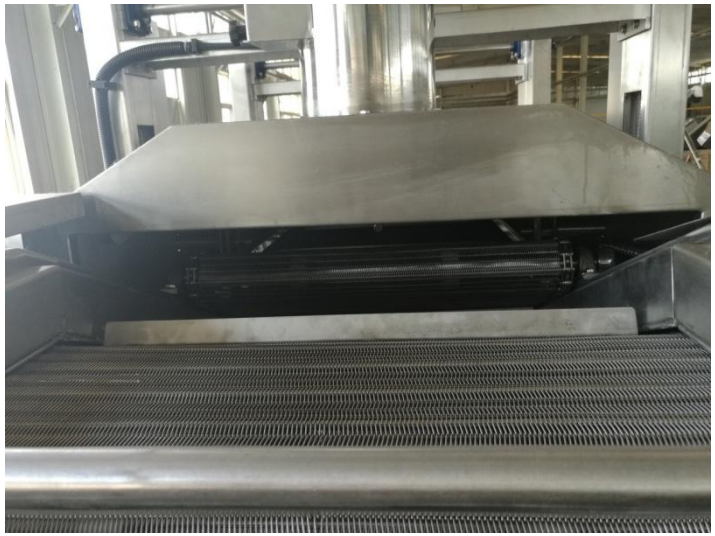
E. → Blanching → Rinsing and Cooling → Blowing Drying

F. ↓

G. Cooling ← Flavoring ← Deoiling ← Oil Frying ← Feeding

H. Specification List

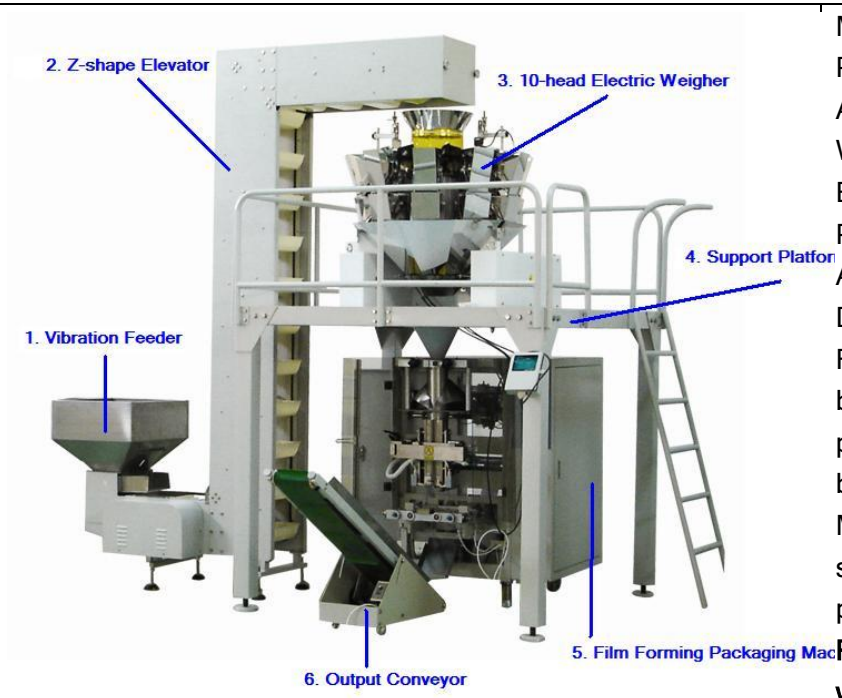
No.	Model	Photo	Specification
1	Feeding Conveyor		Model: LTTS-300 Power: 0.55Kw Dimension: 3400×830×1800mm Belt size: 2900×400mm Material: stainless steel 304 for all food-touch parts including hoppers and mesh belts. Non-touch part of framework and chain are stainless steel 201. Function: it conveys products from ground where worker can put products easily to the next processing step.
2	Continuous Belt Frying Machine		Model: LTCF-400 Capacity: 300Kg/hr fresh chips Dimension: 4100×1200×2100mm Frying Area: 3000×650×60mm Oil Capacity: 600L Motor Power: 1.9Kw Heating Source: gas (external heating) DELTA inverter controlled speed. Frying Time: adjustable by DELTA inverter. Temp Range: <250℃ automatically control. Materials: Full stainless steel. **Remark:** ● **Electricity heating type of fryer is USD 6,000 cheaper price than this gas heating type.** ● **Other optional equipments like oil filter, oil storage tanks, pumps and pipes are needed as per buyer's request.**

3	External Gas Furnace		Capacity: 300000Kcal Diesel Burner: Italian BALTUR brand. Materials: stainless steel oil pipes, painted mild steel covers. Function: it is a gas fired heat exchanger where oil flows in the pipe and get heated by the gas flame here. Hot oil is then pumped back into the fryer to be used.
4	Circulation Pump		Model: BRY80-65-200 Flow Rate: 40M^3/hr Power: 7.5Kw Function: to pump oil out of fryer through the oil filter and return to the fryer

5	Centrifuge Oil Filter		Model: LY-800 Dimension: 1650×1000×1100mm Outer Tank: Ø850×600mm Centrifugal Tank: Ø740×500mm Power: 2.2Kw Materials: full stainless steel
6	Oil Tank		Volume: 1000L Heating Power: 5Kw Materials: full stainless steel One tank is for storage of new oil and the other is to store old oil.
7	Oil Feeding Pump		Model: BRY25-25-160 Flow Rate: 10M^3/hr Power: 2.2Kw Function: to pump new oil and feed into the fryer.
8	Installation Pipes and Valves	**********	**********

9	Vibration Deoiler		Model: LTZY-200 Dimension: 1700×800×900mm Power: 0.4Kw Materials: all food-touch parts are stainless steel, framework is painted mild steel.
10	Continuous Drum Flavoring Machine		Model: LTS-I Dimension: 3500×700×1600mm Power: 1.5Kw Includes feeding conveyor, flavorings storage and spraying device, and single-rotating-drum mixing device. Materials: Full stainless steel.
11	Cooling Conveyor		Model: LTLQ-600 Dimension: 6000×900×1200mm Power: 2.1Kw Materials: Full stainless steel except framework is painted mild steel.

12	Automatic Sachet Packaging Line		Model: LT-420 Packing Speed: 30-60bag/min Available Bag Size: Length: 50-300mm; Width: 60-200mm Electric Scale's Weighing Range: 10-1000g Power: 5.3Kw Air Flushing Function: Yes Date Printing Function: Yes, color ribbon printer Full system includes: Vibration feeder, Z-shape bucket elevator, 10-heads electric scale, support platform, volumetric packaging machine, finished bag conveyor. Materials Type: all food-contact parts are made of stainless steel; non-contact parts are made of painted mild steel. **Remark: additional bag shaping pipe (another bag width) costs USD 700 / PC.**
13	Nitrogen Generator		Model: DP-5 Capacity: 5M^3/hr Power: 5Kw Purity: ≥99.5% Dew Point: ≤-40℃ Compress Air Pressure: 0.8-1.0Mpa Dimension: 1640×690×1420mm 570×640×1000mm Whole System Includes: ● Nitrogen generator ● Refrigeration dryer unit ● 3-level precision filter ● Oil-free air compressor

TERMS

Payment Term: 30% T/T as down payment, 70% T/T before shipment.

Lead Time: 50 days after receiving of down payment.

Packing: wrapping film

Required Containers: 40' HQ × 1

Installation and Training: we are obliged to send one technician to travel to buyer's facility to help with installation and training. Buyer needs to pay for his round-trip tickets, food, hotel and salary USD 120 / day. Buyer needs to prepare necessary items prior to his departure, i.e. water, power, oil, raw materials, seasonings, and packages, etc.

Warranty: one year after installation. If some part breaks due to machine-building reason, we are obliged to send new parts for machine fixation. If some part breaks due to worker misoperation reason, cost of the parts and delivery are to be charged.

Spare Parts:

No.	Name	Quantity
1	Temperature Control	1 PC
2	Temperature Sensor	2 PCS
3	Intermediate Relay	4 PCS
4	Steel Wire	10 M
5	Wind Fan	1 PC
6	Belt – Continuous Fryer	4 M
7	Belt – Elevators	8 M

No.	Name	Thickness
1	Feeding Elevator – Elevador Alimentador	Framework 2mm
2	Screw Washing and Peeling Machine – Máquina lavadora de tornillo y máquina peladora	Brush sockets 4mm, tank 3mm, covers 1.5mm, framework 2mm
3	Sorting Conveyor - Transportador	Framework 2mm
4	Elevator – Elevador	Framework 2mm
5	Potato Chips Slicer – Picador de Papas	Cutting vessel 2.5mm, cover 1.5mm, Framework 2mm

6	Bubble Rinsing Machine – Máquina de Enjuague de Burbujas	Rinsing tank 3mm, cover 1.5mm, Framework 2mm
7	Continuous Blanching Machine – Máquina de Escalado Continuo	Rinsing tank 3mm, cover 1.5mm, Framework 2mm
8	Bubble Rinsing and Cooling Machine - Máquina de Enjuague y Enfriamiento	Rinsing tank 3mm, cover 1.5mm, Framework 2mm
9	Wind Blowing Drying Conveyor – Transportador de Secado por Viento	Conveyor mesh wire 1mm, covers 1.5mm, Framework 2.5mm
10	Feeding Conveyor – Transportador Alimentador	Framework 3mm, conveyor mesh wire 1mm
11	Continuous Belt Frying Machine – Máquina Freidora Continua	Frying tank 3mm, framework 3mm, covers 1.5mm
12	External Gas Furnace – Horno a Gas Externo	Stainless steel pipes 3mm
13	Circulation Pump – Bomba de Circulación	Not applicable
14	Centrifuge Oil Filter – Filtro de Aceite Centrifuga	Oil tank 3mm and 1.5mm, covers 1.5mm
15	Oil Tank – Tanque de Aceite	Oil tank 1.5mm
16	Oil Feeding Pump – Bomba de Aceite Alimentador	Not applicable
17	Installation Pipes and Valves – Tubería y Válvulas	2mm
18	Vibration Deoiler – Desengrasador Vibratorio	Vibration sieve 2mm, framework 2.5mm
19	Continuous Drum Flavoring Machine – Máquina Condimentador Continuo	Rotary drum 1.5mm, framework 2mm
20	Cooling Conveyor – Transportador Enfriamiento	Conveyor mesh wire 1mm, framework 2mm
21	Automatic Sachet Packaging Line – Linea Automática de Empaque	Not applicable
22	Nitrogen Generator – Generador de Nitrógeno	Not applicable

PET Production Line:

5 TM/h

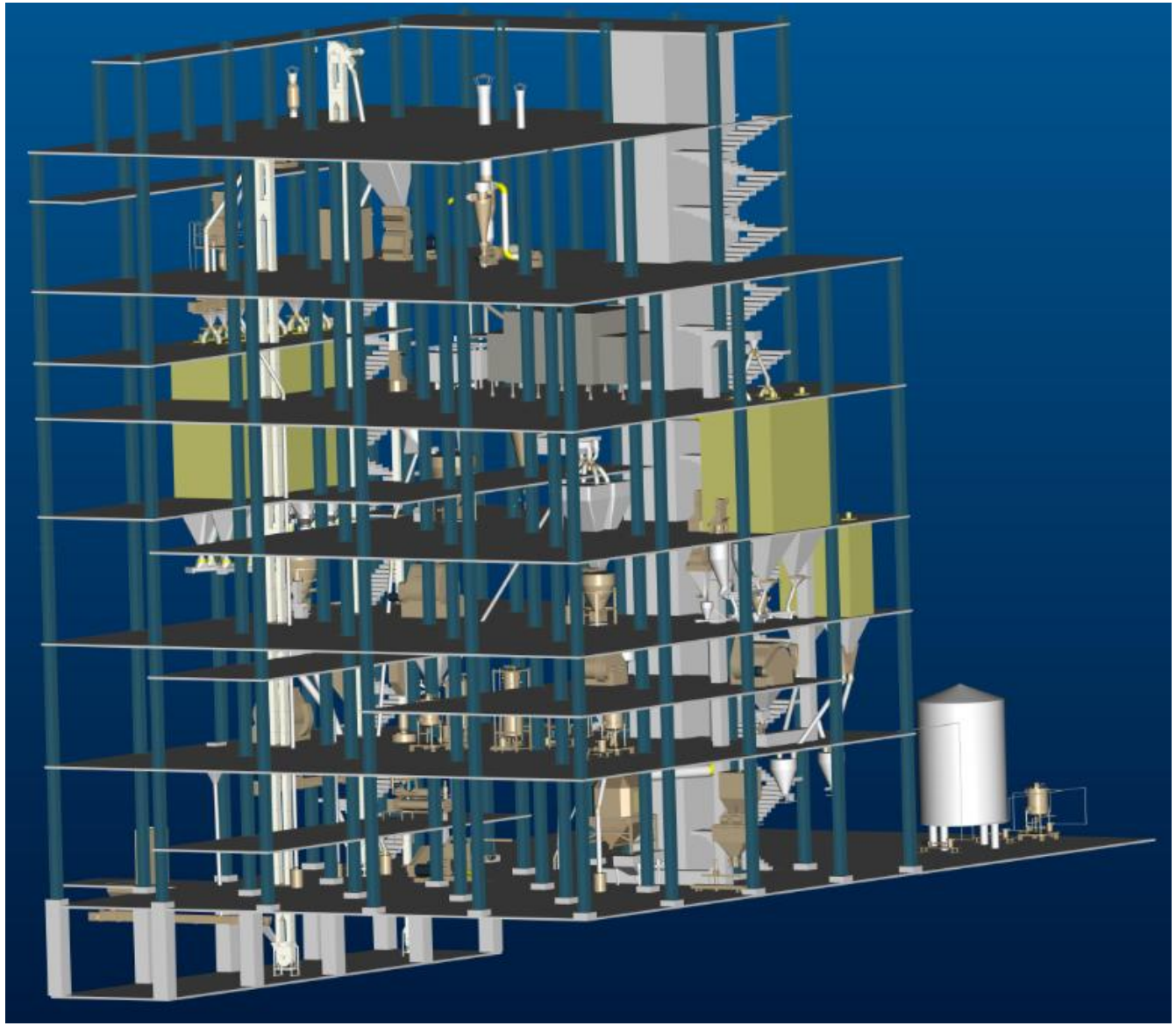
Main workshop location



Storage



3D design effect picture



Powder area

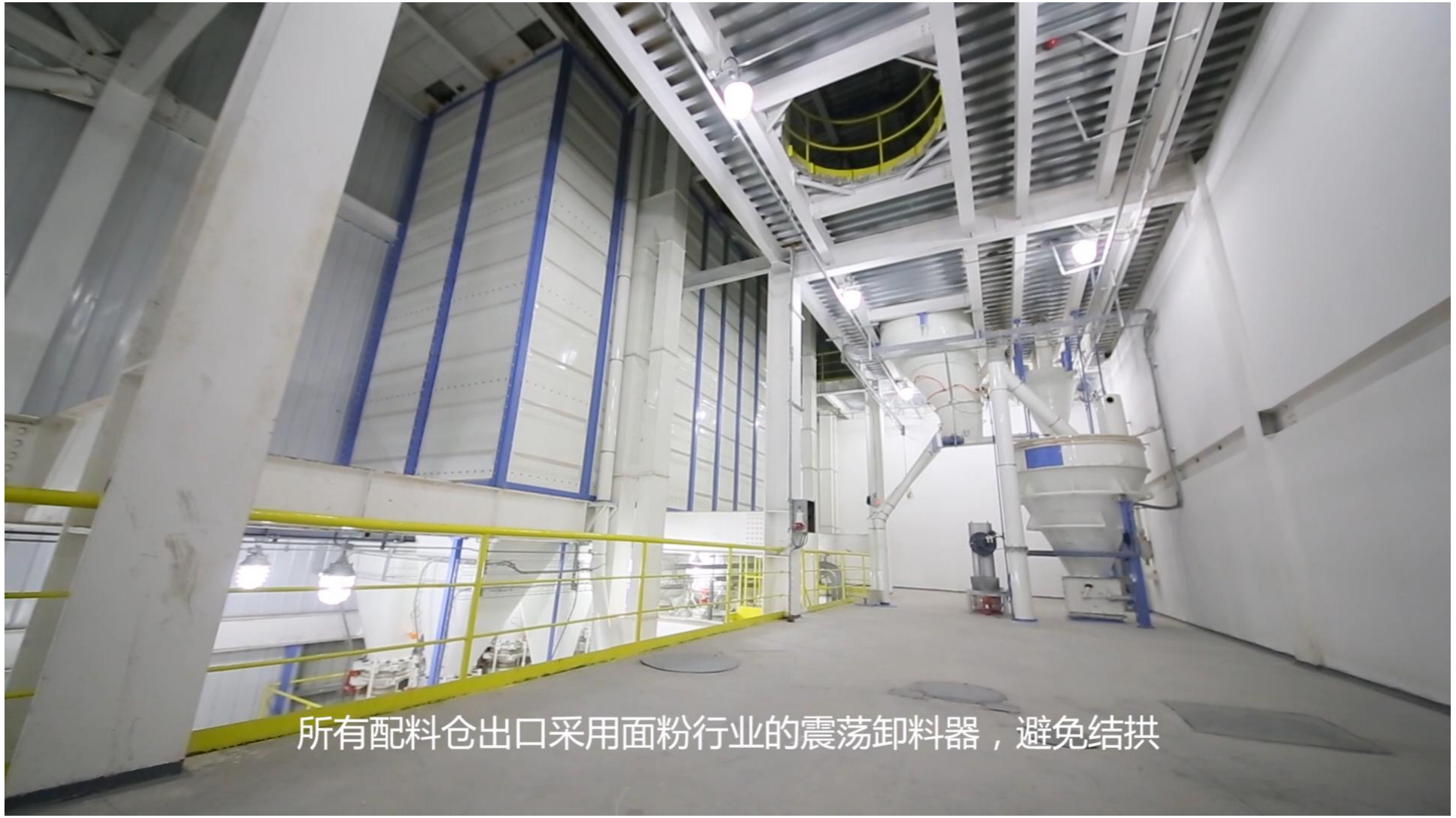


Batching bin and contact skateboard



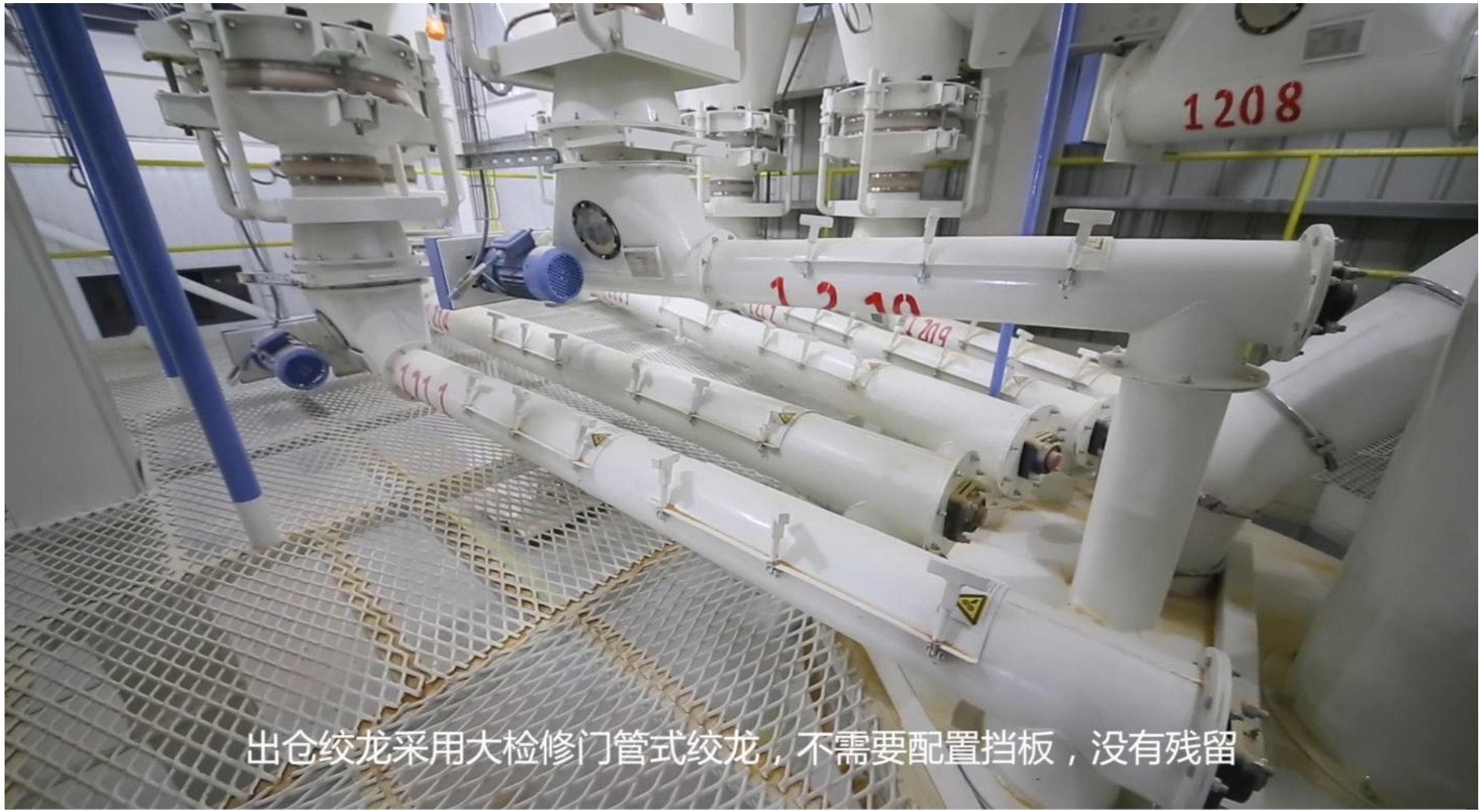

物料经多点触料滑板进入配料仓
多点触料滑板替代分配器，减少楼层高度，降低消防等级

Batching bin



Screw




1208
出仓绞龙采用大检修门管式绞龙，不需要配置挡板，没有残留

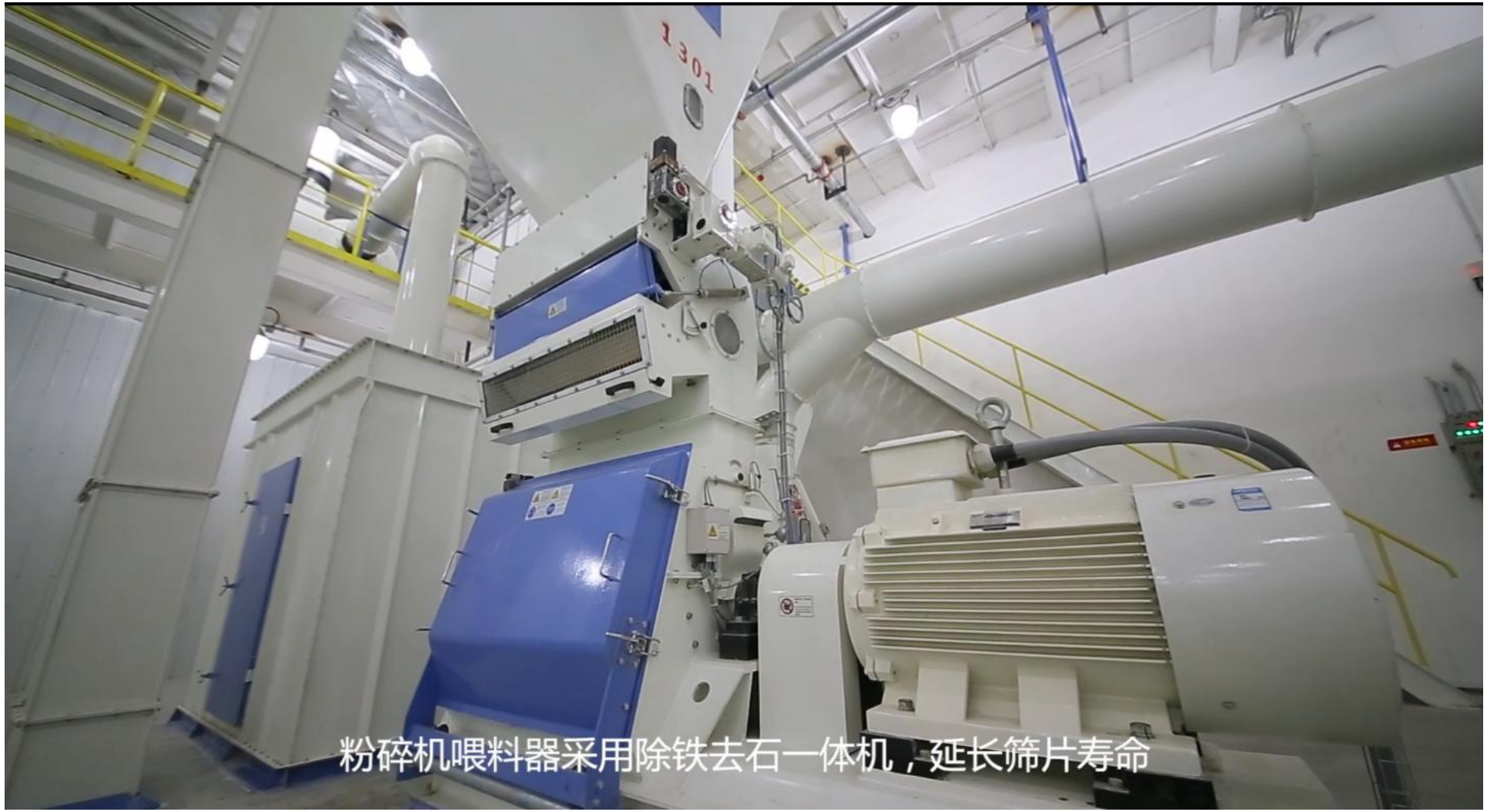
Feed mixing
Mixing section



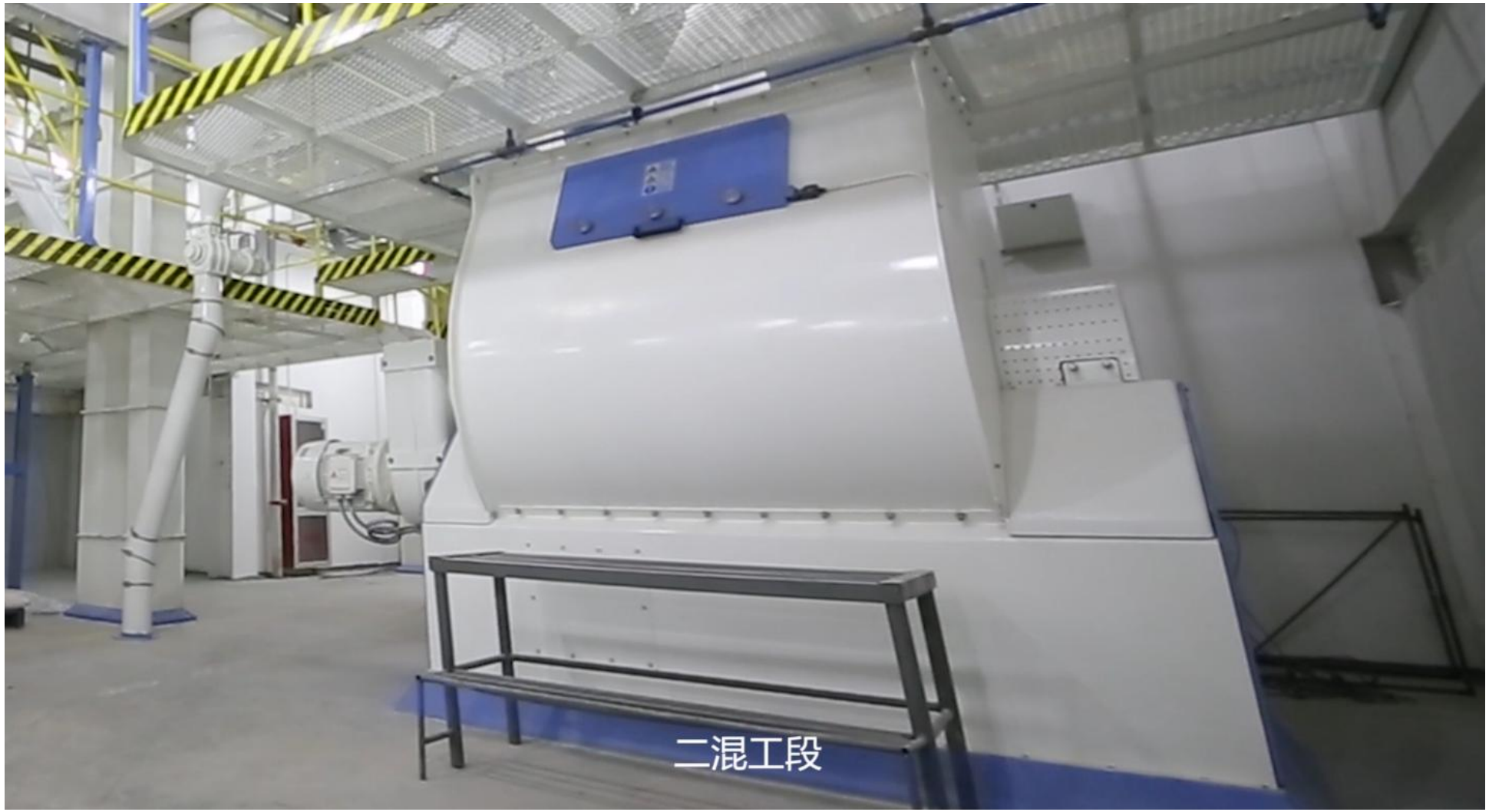
Grinding



Grinding



mixing



Bin befor Extruder



Extruder




膨化工段

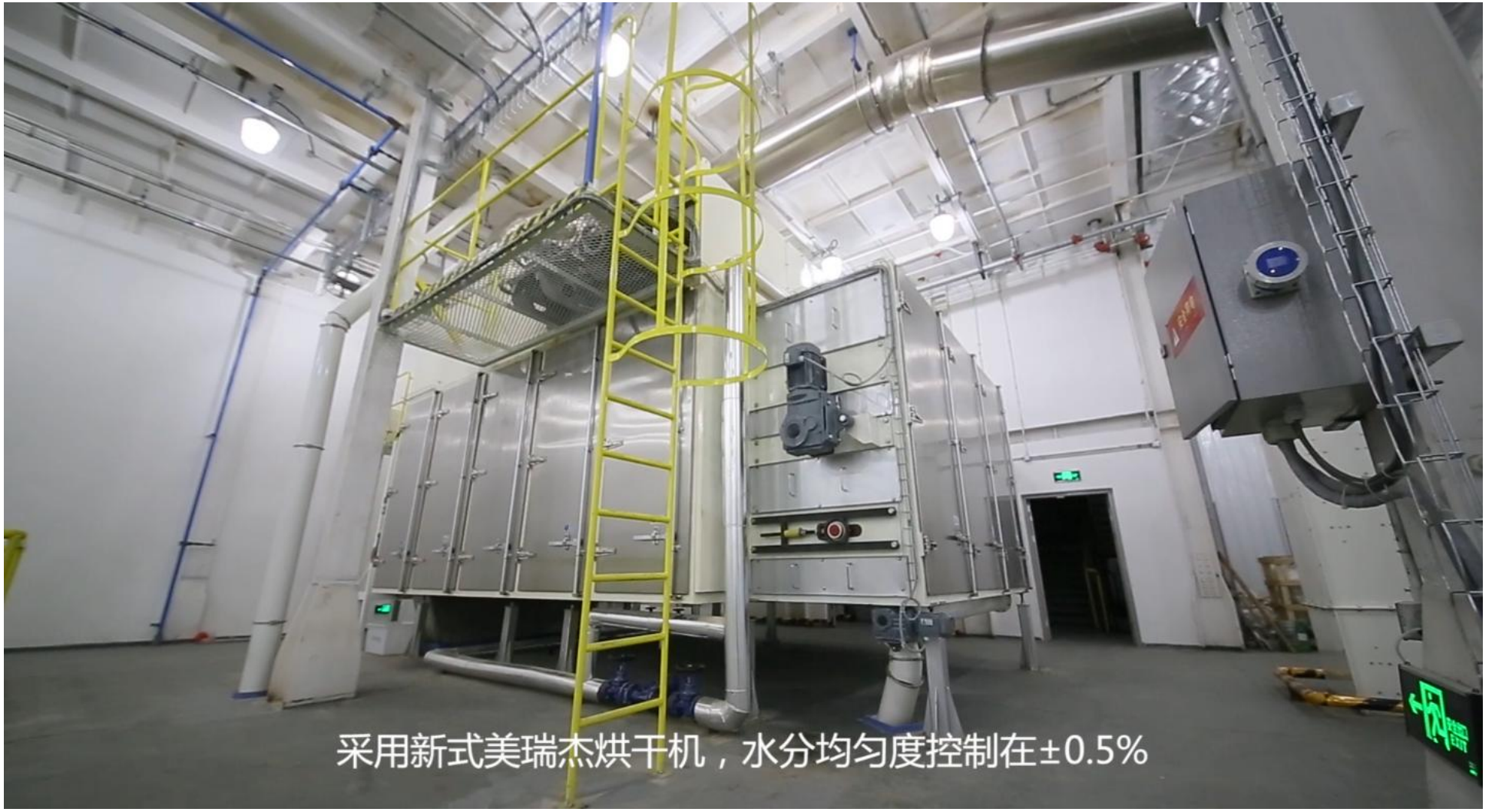


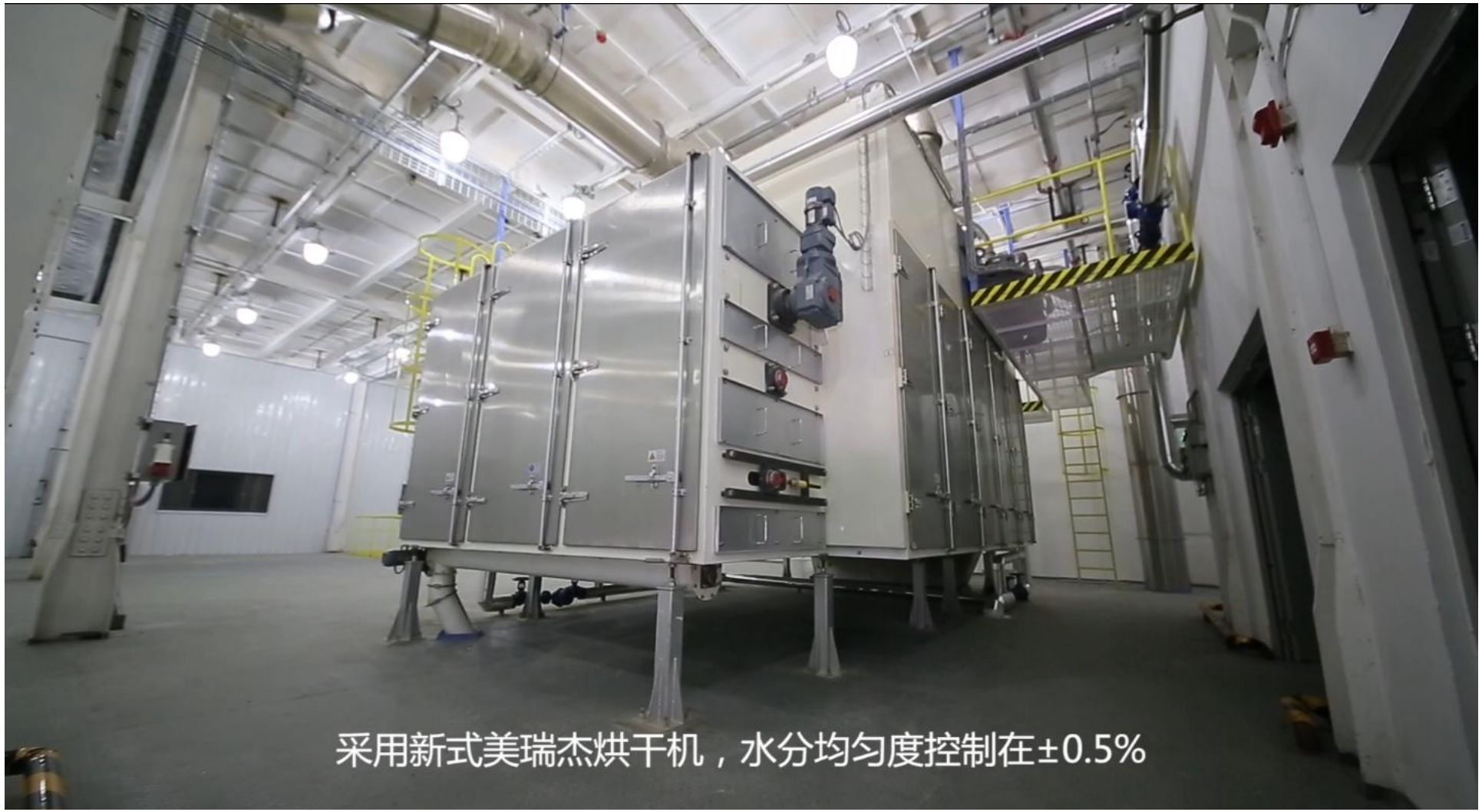
膨化工段

Fan system



Dryer

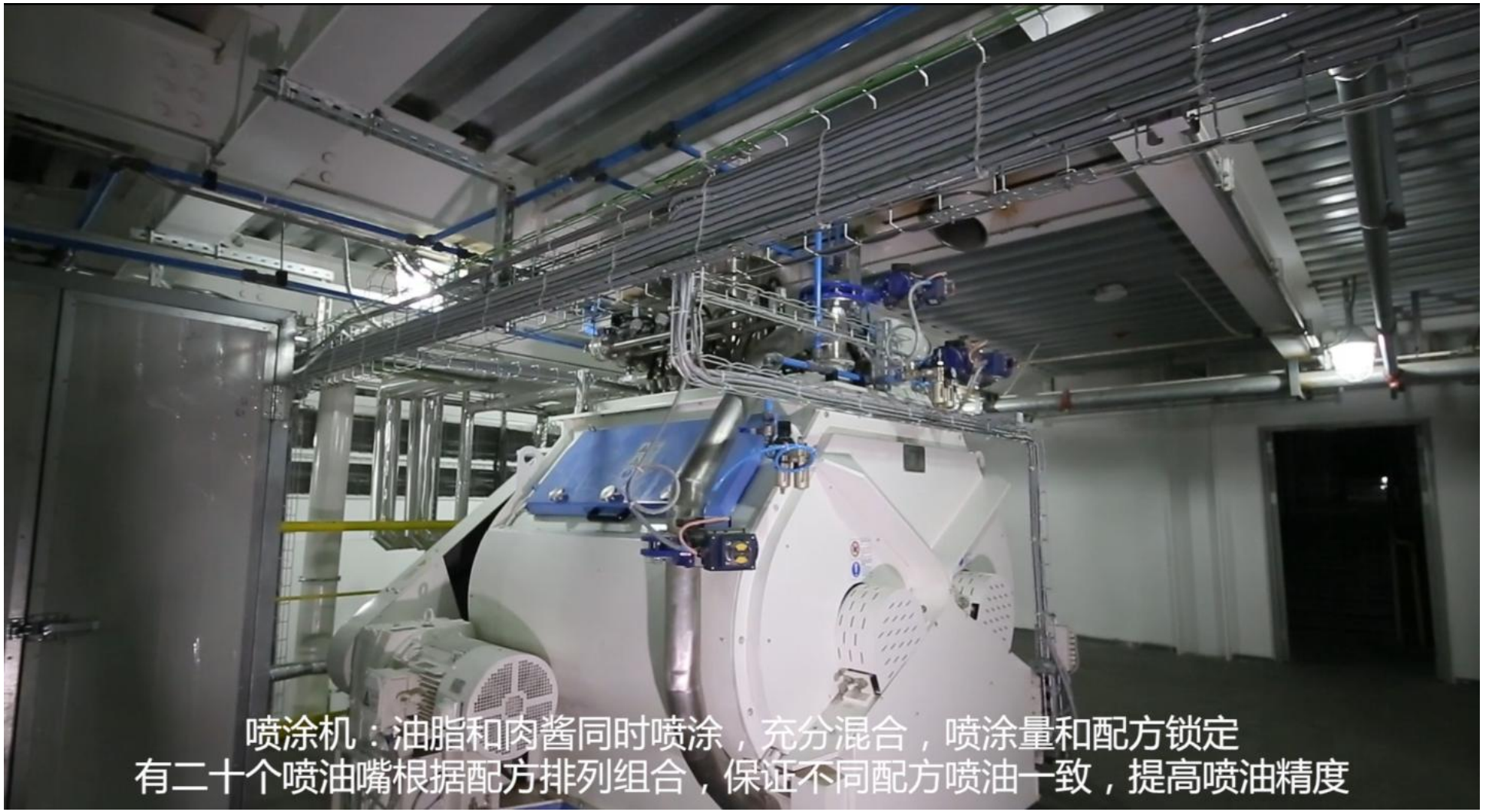



采用新式美瑞杰烘干机，水分均匀度控制在±0.5%


喷涂校验秤

Liquid Coater




喷涂机：油脂和肉酱同时喷涂，充分混合，喷涂量和配方锁定
有二十个喷油嘴根据配方排列组合，保证不同配方喷油一致，提高喷油精度

Grease addition system



Cooling machine



Impurity handling



Finished goods warehouse



Packing section



Electric control cabinet

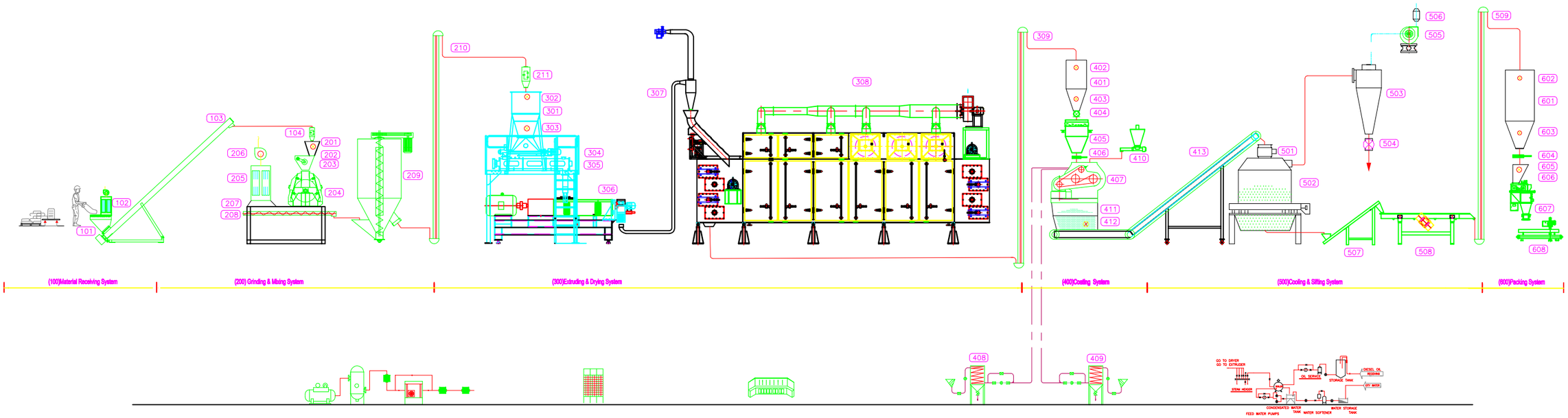


Power layout



由 Autodesk 教育版产品制作

1.5T PER HOUR PET FOOD PROCESS FLOW CHART



处理方式与等级						济南真诺机械有限公司	
品 牌							
标记	处数	更改文件名	签 字	日 期			
设 计		标准化			图 样 标 记	重 量	比 例
审 核							
工 艺		日 期			共 张	第 张	

工艺流程图

由 Autodesk 教育版产品制作

宠物食品生产线
Pet and Animal Food Processing Line





1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 双螺杆挤压机/ Double-screw Extruder
4. 风送机/ Air Conveyer
5. 烤箱/ Multi-layer Oven
6. 调味线/ Flavoring Line
7. 冷却机/ Cooling Machine





设备介绍 Equipment Introduction

宠物食品生产线赋于宠物食品以新颖的形状，独特的口味和色彩，并且以最科学的营养配比和易于消化等特点来适应不断发展的宠物食品市场。操作简单、易学，精确的参数控制，确保产品在特定的温度，压力，湿度和时间里完成。合理的结构设计，特殊的材质，快速的自洁性能确保机械的稳定性及便于维修。丰富多采的形状和口味适应各种宠物食品的要求。宠物食品生产线由拌粉机、双螺杆挤出机，风送机，干燥机和涂衣机组成。

Pet-food processing Line is used to produce pet food with novel shape, particular taste and color. Scientific nutrition combination catch up the trend the market. With simple operation, accurate parameter control, the products can be finished in the stipulated temperature, pressure, humidity and time. Owing to the reasonable design, special materials, the stability, repairs can be guaranteed and ensured. The various shape and taste must meet the different requirements of pet food. This line consists of mixer, double-screw extruder, air conveyor, dryer and coating machine.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT65系列生产线 Pet and Animal Food Process Line	75kw	45kw	120-150kg/h	22000×1200×2200mm
MT70系列生产线 Pet and Animal Food Process Line	95kw	60kw	200-250kg/h	24000×1500×2200mm

咬胶型、夹心型宠物食品生产线
Chewing /Jam Center Pet Food Processing Line



1. 拌粉机/ Flour Mixer
2. 螺旋输送机/ Screw Conveyer
3. 单螺杆挤压机/ Single-screw Extruder
4. 冷却机/ Cooling Machine
5. 切断机/ Cutter
6. 提升机/ Hoister
7. 烤箱/ Multi-layer Oven





设备介绍 Equipment Introduction

该生产线以大米，玉米，豆类等各种谷物为原料，经挤压膨化，干燥，粉碎和混合，可生产各种营养粉，如婴儿米粉，芝麻糊和豆粉等。生产线从投料开始工艺流程自动完成，操作简单，无粉尘泄露，卫生节能。可方便地配以各种原料和营养素，该生产线经过调节双螺杆挤压机机筒和螺杆结构，可以同时生产多元化的变性淀粉系列产品，适用于纺织品制造，食品加工，造纸，建材，铸造，石油钻井等领域。

This process line uses rice, corn, beans and all kinds of grains as raw materials. Through extruding, inflating, drying, crushing and mixing, it could produce many kinds of nutrition powder, such as baby rice powder, sesame paste, beans powder and so on. This line could finish all the process automatically from the feeding to the end. It has features of easy operation, without leak of powder dust, sanitation, saving energy and easy to add all kinds of raw materials and nutriment. This process line can make modified Starch, denatured starch, pre gel starch by changing different designed barrel and screws of double screw extruder. Modified starch is widely used in textile, food process, oil drilling, paper, construction industries etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
MT80系列生产线 Chewing Pet Food Processing Line	55kw	40kw	80-120kg/h	18000×2000×2000mm
MT100系列生产线 Chewing Pet Food Processing Line	65kw	50kw	100-150kg/h	19000×2000×2000mm

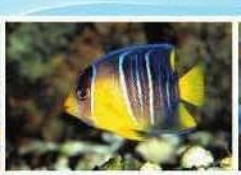
高档虾料/鱼饲料/水产饲料工程

High-Grade Shrimp/Fish Feed/Aquatic Feed Project





Floating Fish Feed



Tilapia Feed





Sinking Feed

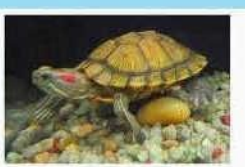


Shrimp Feed



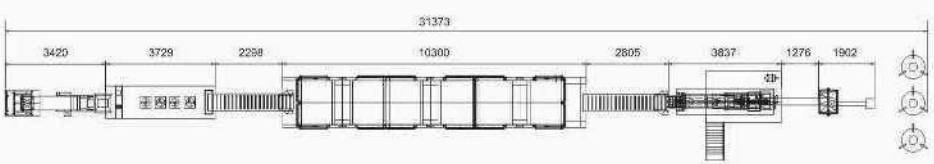
Crab Feed





Turtle Feed

生产线平面图 Layout Drawing





设备介绍 Introduction

我司开发的双螺杆挤压式水产饲料生产线，学习欧洲技术，采用单元螺杆组合结构，并可实现生产参数的精准控制，挤出过程可使蛋白质分解，易于消化吸收，我公司水产饲料生产线出来的水产食品，蛋白质高，营养成分齐全，产品可以漂浮水面或沉入水底，可以适用于各种鱼虾等水产用的浮性和沉性饲料，不浪费饲料，并且加入微量元素，可以促进水产类快速生长，是不同生产厂家比较理想的选择。

win-screw Extrusion animal feed process line, based on Euro technology, adopt modular –screw design, achieve accurate control on production parameters. Protein will be decompositied, become easy get digest feed during extrusion process. Animal feed made by superior technoly, containes high protein, nutritional, mineral elements, shaped in floating, sinking for various type freshwater and Marine fish, also workable for shrimp, crab, without wasting, ideal choice for feed manufactury plant.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT90系列生产线 Pet Food Process Line	287kw	216kw	1000-1200kg/h	40000×2400×4000mm
FT95系列生产线 Pet Food Process Line	383kw	287kw	1000-1500kg/h	40000×3000×4000mm
FT115系列生产线 Pet Food Process Line	424kw	318kw	2-3T/h	42000×3000×4000mm
FT130系列生产线 Pet Food Process Line	502kw	376kw	4-5T/h	46000×3000×4000mm

宠物食品/水产饲料生产线

Pet and Animal Food / Fish Feed Pro cess Line



1 拌粉机/ Flour Mixer
2 螺旋输送机/ Screw Conveyer
3 双螺杆挤压机/ Double-screw Extruder
4 风运机/ Air Conveyer
5 烘箱/ Multi-layer Oven
6 调味线/ Flavoring Line
7 冷却机/ Cooling Machine



设备介绍 Introduction

随着宠物种类的不断增加，市场对宠物食品的要求和需求也不断提高。公司根据这一市场需要，研制和开发了多种型号的宠物食品生产线。根据产量的不同，该生产线也有多种配置。该生产线以肉粉、鱼粉、骨粉、玉米粉、豆粉等为主要原料，通过调整原料、温度、水分等工艺参数，生产形状新颖、口感独特，营养丰富，组织细腻的食品，适合不同宠物的口味。该生产线广泛适用于生产狗、猫、狐狸、鸟等宠物食品，是大中小型生产厂家理想的选择。

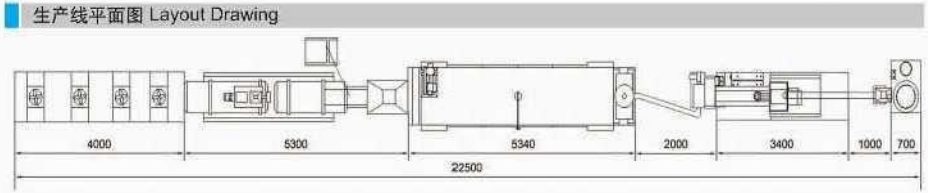
With the increasing variety of pet, people require more and more different pet foods. In order to meet various feeding demands, our Company developed this line, easy operation, friendly human-machine interface, accurate control to ensure the food can be processed under stable temperature, pressure, humidity and other circumstance.

This line mainly use the meat meal, fish meal, bone powder, corn powder, soya meal and other grains' powder as main materials to produce the innovative shapes, high nutritional and savory taste pet food for dog, cat, fox, bird etc.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
LT65系列生产线 Pet Food Process Line	80kw	56kw	120-150kg/h	22500×1200×2200mm
LT70系列生产线 Pet Food Process Line	128kw	90kw	200-250kg/h	25000×1500×2200mm
LT85系列生产线 Pet Food Process Line	175kw	123kw	500-700kg/h	30000×3500×4300mm
LT90系列生产线 Pet Food Process Line	287kw	216kw	1000-1200kg/h	40000×2400×4000mm
FT95系列生产线 Pet Food Process Line	383kw	287kw	1000-1500kg/h	40000×3000×4000mm
FT115系列生产线 Pet Food Process Line	424kw	318kw	2-3T/h	42000×3000×4000mm
FT130系列生产线 Pet Food Process Line	502kw	376kw	4-5T/h	46000×3000×4000mm

生产线平面图 Layout Drawing



咬胶型、夹心型宠物食品生产线

Pet Chewing/Jam Center Food Process Line





1 拌粉机/ Flour Mixer
2 螺旋输送机/ Screw Conveyer
3 单螺杆挤压机/ Single-screw Extruder
4 冷却机/ Cooling Machine
5 切割机/ Cutter
6 提升机/ Hoister
7 烤箱/ Multi-layer Oven

设备介绍 Introduction

该生产线以淀粉、面粉、动物皮及其他食品添加剂等为原料，利用独特的挤压方法和模具，生产各种条状、棒状、麻花状、双色或多色形状各异及夹心的食品。通过调整配方，即可提供宠物的营养需求，又能满足宠物喜欢咀嚼的喜好。

This process line adopts starch, wheat flour and food additives to produce innovative shapes pet chewing food by extrusion technology, such as strip, stick, twist, bone, core filled bar and so on. By adjusting the formulations, the extruded food can meet different needs like cleaning the teeth, chewing toy for smaller pets and adding nutrition.

技术参数 Technical Parameter

型号 Model	装机功率 Installed Power	实耗功率 Power Consumption	生产能力 Output	外形尺寸 Size
咬胶生产线(单色)Single Color Process Line	76kw	53kw	80-100kg/h	19000×2000×2000mm
咬胶生产线(双色)Double Colors Process Line	113kw	79kw	80-100kg/h	19000×3500×2000mm



水产饲料生产线
Aquatic Feed Production Line



① 卧式混料机 /Mixer
② 斗式提升机 /bucket elevator
③ 料仓 /hopper
④ 双螺杆膨化机 /Twin screw extrude
⑤ 风送机 /Air Conveyer
⑥ 烘干箱 /Multilayer steam Oven
⑦ 振动筛 /sifter
⑧ 离生滚筒 / Double Roller
⑨ 喷油机 /Oil-sprayer
⑩ 冷却机 /Cooling Machine
⑪ 提升机 / Z Hoister
⑫ 包装机 /packing machine

生产线简介 Production Line Introduction

我公司水产饲料生产线生产出来的水产食品具有膨化松软熟、蛋白质高、营养成份齐全、长时间漂浮水面不浪费饮料、并且加入微量元素、可以促进鱼类快速生长、是不同生产厂家比较理想的选择。

Fish food is plant or animal material intended for consumption by pet fish kept in aquariums or ponds. Fish foods normally contain macro nutrients, trace elements and vitamins necessary to keep captive fish in good health. Fish food is a kind of unique digestive tract that requires specialized ingredients to ensure proper digestion and optimum health.
Approximately 65% of fish keeping hobbyists feed their fish exclusively prepared foods that most commonly are produced in flake, pellet or tablet form. Pellet forms, some of which sink rapidly, are often used for larger fish or bottom feeding species such as loaches or catfish.
Some fish foods also contain additives such as sex hormone or beta-carotene or to artificially enhance the color of ornamental fish. Generally the more moisture a particular example of fish food contains, the more readily it will deteriorate in quality.

技术参数 Technical Parameter

型 号	YL-65	YL-70	YL-85	YL-95	YL-120
主机功率	22KW	30KW	75.5KW	75.5KW	90kw
烘干功率	60KW	110KW	200KW	130KW	180kw
蒸汽锅炉	60KW	60KW	100KW	100KW	110kw
生产能力	100~140kg/h	200~240kg/h	400~600kg/h	800~1000kg/h	1000~2000kg/h
外形尺寸	15.0×1.3×2.4	20.0×1.3×2.4	30.0×1.6×2.4	40.0×1.6×3.0	45.0×2.0×3.0



部分产品：





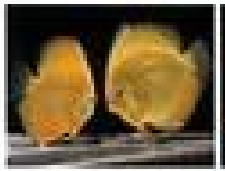
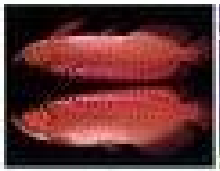














DING RUN




1
2
3
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9







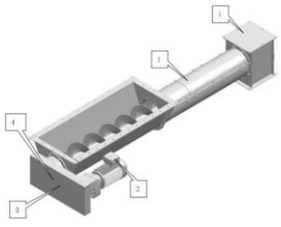


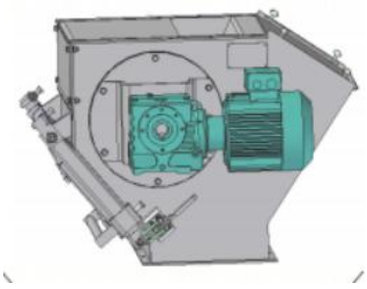


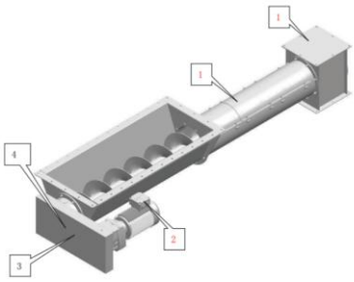


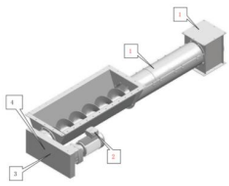
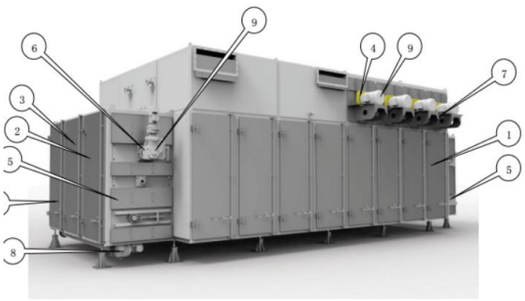
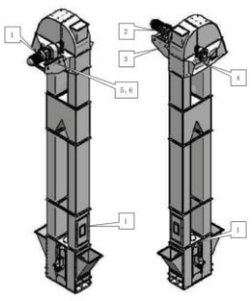
Pets Food Production Line 1

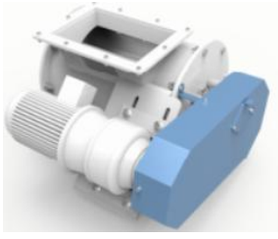
DETAILED INFORMATION:

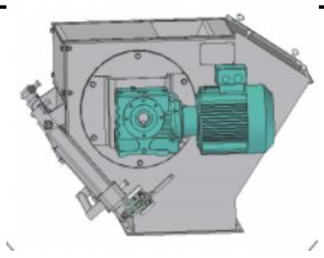
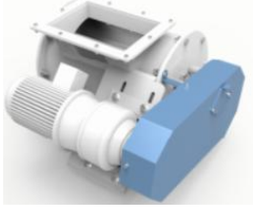
MODEL	PICTURE	Description	Quantity
101 Hopper		Powdery Material Dumping Hopper & Grids Material: Carbon steel thickness：3mm	1
102 Dust Collector		Dust Collector TBLFa6 power：1.1kw With 1.1KW fan, made of carbon steel. Pulse Controller size：1.4*0.6*0.8m Material: Carbon steel thickness：2mm	1
103 Screw conveyor		TLSS20 power：2.2kw size：6*0.4*0.4m Material: Carbon steelc thickness：2.5mm	1
104 Permanent Magnet Sleeve		TXCT20 Main function: absorb iron impurities in raw materials	1
201 Surge hopper		Surge hopper size：2.5*1*1m Material: Carbon steel thickness：3.5mm level glass	1

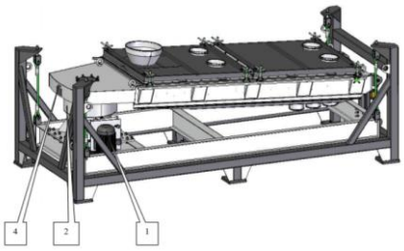
202 Level Indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
203 Immpeller Feeder		TWLY2 power：1.5kw, Variable frequency motor Material: Carbon steelc thickness：2.5mm	1
204 Hammermill Grinder		Model: SFSP60X45 Output: 1000-1500KG/H Power: 45 KW Size:1.5X1X1.5m Material: Carbon steelc thickness：4mm	1
205 Dust collector		TBLFa36 Material: Carbon steelc thickness：2.5mm Cloth bag	1
206 Fan		9-26-3.5A Power: 5.5 KW Material: Carbon steel thickness：2.5mm	1
207 Air sinking chamber		Material: Carbon steel Made of 3mm thickness steel size：2.5*1*1m	1

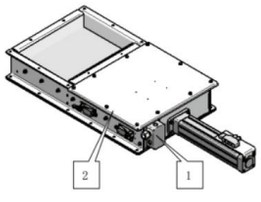
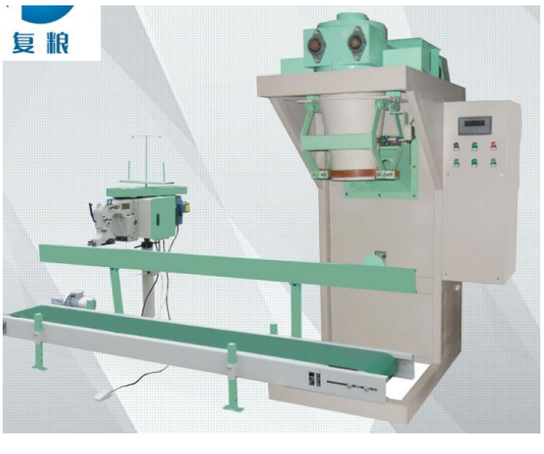
208 Sealed Screw Conveyor		TLSSf16 Power: 2.2KW size：4.5*0.4*0.3m Material: Carbon steel thickness：3.5mm	1
208.1 Air Lock		L9 Material: cast iron Power: 1.1KW	1
209 Mixer		volume：2m³ Power：4kw Material: Carbon steel thickness：12mm	1
210 Bucket Elevator		TDTG36/23 Power：2.2kw size：6*2*0.4m Material: Carbon steel thickness：3mm	1
211 Permanent Magnet Sleeve		TXCT20 Main function: absorb iron impurities in raw materials	1
301 Pre- extruding Bins		size：2.5*1.5*1.5m Material: Carbon steel thickness：3.5mm level glass	1
302 High Level indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1

303 Low Level Indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
304 Screw Feeder		Power: 0.75KW size：2.8*0.4*0.3m Material: Carbon steel thickness：3.5mm	1
305 Conditioner		Material: Stainless Steel size:3*1*0.8m Power:7.5kw thickness：10mm	1
306 Extruder		Power:85kw+2.2kw Material: Stainless Steel thickness：10mm and 20mm	1
307 air sucker		Material: Stainless Steel thickness：2.5mm Power:5.5+1.5kw	1
308 Dryer		Power:32kw Material: Carbon steel thickness：2.0mm 4-storey carbon steel frame with control cabinet Need steam	1
309 Bucket Elevator		TDTG36/23 Power：2.2kw size：6*2*0.4m Material: Carbon steel thickness：3mm	1

401 Bins		size：2.5*1.5*1.5m Material: Carbon steel thickness：3.5mm level glass	1
402 High Level indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
403 Low Level indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
404 Discharge		Power：1.1kw size：0.6*0.8*0.6m Material: Carbon steel thickness：3mm	1
405 scale		volume：1m³ Material: Carbon steel thickness：4mm	1
406 Pneumatic Gate		TZMQ40X40 Material: Stainless steel thickness：2.5mm	1
407 Double-Shaft Paddle Batch Mixer		SSHJ.N1 Power：11kw Material: Stainless steel thickness：11mm Expanded material is light in proportion, according to volume, effective volume is 1 cubic meter, and contact with material is	1

408 Liquid adding and pipe systerm 1		Power：9.75kw 1.5KW + 2.2kW + electric heating 6kw Material: Stainless steel thickness：4mm	1
409 Liquid adding and pipe systerm 2		Power：9.75kw 1.5KW + 2.2kW + electric heating 6kw Material: Stainless steel thickness：4mm	1
410 Powdery feeder		power：0.75kw, Variable frequency motor Material: Carbon steelc thickness：2.5mm	1
411 Surge Hopper		Surge hopper size：1.5*1*1m Material: Carbon steel thickness：3.5mm level glass	1
412 Level indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
413 Conveyor		PD600 Power:1.5kw Size:7*1*3m 6-7 m, high strength PVC belt, skirt, baffle, carbon steel production	1
501 Cooler feeder		SFGM20 power：1.1kw, Material: Carbon steelc thickness：2.5mm	1

502 Tipping Counterflow Cooler		SLNF16X16 power：2.2kw, Material: Carbon steelc thickness：4mm	1
503 cyclone		D100 Material: Carbon steelc thickness：2.5mm	1
504 Air locker		L9 Material: cast iron Power: 1.1KW	1
505 Fan		4-72-4.5A Power: 5.5 KW Material: Carbon steel thickness：1.5mm	1
506 Noise silencer		Diameter:50CM Material: Carbon steel thickness：2mm	1
507 Conveyor		PD600 Power:1.5kw Size:7*1*3m 6-7 m, high strength PVC belt, skirt, baffle, carbon steel production	1
508 vibrating screen		SF1000 Power:.0.2kw Size:2*1*1.2m Material: Carbon steel thickness：1.5mm	1

509 Bucket Elevator		TDTG36/23 Power：2.2kw size：6*2*0.4m Material: Carbon steel thickness：3mm	1
601 Finished product bin		size：3*1.5*1.5m Material: Carbon steel thickness：3.5mm level glass	1
602 High Level indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
603 Low Level indicator		Type Barrier Level Controller Measurement Range 50 Measurement Accuracy 63 Rated Voltage 2 (V) Output signal 30 (mA) power supply 33	1
604 Pneumatic Gate		TZMQ40X40 Material: Stainless steel thickness：2.5mm	1
607 Bagging Weighing Scale		Power:3kw Belt Feeding Single Scale Bucket	1
608 Belt Conveyor and Sewing Machine		Power:2.5kw 1.5 kW + 0.75 kw, Qinggong sewing machine	1

701 MCC (Motor Control Center)			1
702		Wire、Armoured KVV Cable、Standard	1
801 air compressor		Power:7.5kw Containing gas storage tank, cooling and drying. Containing Workshop Pipeline	1
802 boiler and steam system		1TPH	1
803 Platform		Installation and maintenance platform for crusher, mixer, hoist and expander.	1

Installation service:Installation time is 20 days (3people), if over 20 days it is necessary to compensate workers for 250 dollars / day
Customers provide visa fees, round-trip ticket fees, transportation costs, meals expenses, residence costs.
Customers need to provide 4-5 local workers to complete the project together.

TOTAL:	**FOB Qingdao Port**		

40% T/T down payment, 60% T/T against copy of B/L

List of Fragile Parts and Accessories

No	Name	Quantity	
1	Heating ring	3	
2	Temperature control chart	2	
3	Thermocouple	6	
4	Cutter	30	

5	mould	2	
6	Oven temperature control meter	2	
7	Oven thermocouple	6	
8	56/40 Crusher hammer	48	
9	0.8 aperture sieve plate	48	
TOTAL SPARE PARTS			

Pets Food Production Line 2

DETAILED INFORMATION:

MODEL	PICTURE	ComDescription	Quantity
Grinder		Model: F100-II Output: 1000-1500KG/H Power: 15 KW Size: 2X1X1.5 Weight: 850 kg	1
Blender		1.Blender Main motor: 11.0kw 2.Size: 2500*1400*19000 3.Output: 1000-2000kg/h 4. Operate easily and safety. It used to mix the raw material before material hopper.	1
Screw elevator		1.Output: 1000-3000kg/h 2. Main motor: 1.1kw 3. Size: Depend on the hopper require. 4. Convey the material from mixer to hopper. 5.speed: 1.2m/second.	1

extruder & Hopper & Conditioner		Hopper: 1.Size: 1.0×1.0×4.5m 2. The bottom with screw feeder to feed the ingredients at set speed. 3. This storage can store the raw material.It can make sure enough material for extruder. Double screw Fish food extruder: 1.Main motor power: 110.0kw Inverter speed controlling 2.Feeding power :2.2kw Inverter speed controlling 3.Cutting power 2.2 kw Inverter speed controlling 4.Gear box oil lubrication pump: 0.37kw 5.Capacity： 1500-2000.00kg/h 6.Size : 5000*1150*2000 7. Conditioner: Manual Fill Knob, Automatic add water 8.Screw diameter 100mm Machine weight: 4.0tons 9.Screw materials 38CroMnAl Barrel Steel 45#	1
Air conveyer		1.Stainless steel for material touch place 2.Main Motor :5.5kw 3.Size2.5x0.5x4.0(m) 4. Convey the product from extruder to dryer. Functions: 1.Air conveyor conveys the food relying on the wind-force from the blower. 2.It is more suitable for the long distance conveying.	2
Steam dryer		Driving Motor：1.5kw（2 sets）. Air circulate motor：40.0kw（10sets） exhaust fan ：2.2kw. Machine material：product touch net adopt stainless steel Feed hopper parts adopt stainless steel size：11500×2000×2500mm Dryer surface adopt carbon steel.	1
Hoister&Single dr		Hoister: Food types PVC for material touch place. Main Motor:1.5 kw Size:2.5x0.8x1.5 (m) Convey the product from dryer to double roller. Flavouring part---Single Drum: Motor: 1.kw Material: stainless steel Size: 3500*1000*1600mm	1

Oil sprayer(Big t		Oil sprayer Function: Motor: 0.37kw Heating powder:6.0kw Stainless steel	1
Cooling box		Drive Power 0.75kw Fan:1.98kw （total 9 fan） Capacity:0-2000kg/h Size:5000*560*1600mm Stainless steel belt, belt width 1.0 meter .	1
Air conveyer & H		Air conveyer: 3.0kw Size: 2.5*0.7*2.3m Hopper size: 1.5*1.5*2.0m It can take the Fish food pellet to store hopper. so it can make the packing machine working well, No need waiting enough pellet when packing.	1
Z hoister & Packi		1.Stainless steel for material touch place 2.Main Motor :2.2kw 3.Size:3.0x0.6x6.0(m) 4. Convey the product from extruder to dryer. Flowing Process: Manual Bag placing→Automatic filling→Automatic weighing→ Automatic bag conveyer→Automatic bag sewing Technical Parameter: □Type：BZJ □Weighting Range(kg)： 15~20kg □Precisions： ±0.2%FS □Source(V/ Hz)： 380 , 50, 3Phase, as per your needs □Air resource(MPA)： 0.4～0.6	1

External Gas Fu		LWS0.2－0.7－Y（Q） Measured maximum evaporation：200KG/h Rated working pressure：0.7MPA Fuel：Light diesel oil, liquefied petroleum gas and natural gas Boiler thermal efficiency：95% Normal water volume：41L	1
Air compressor		Motor power：11kw Cylinder Number * Cylinder Diameter：2×125,1×110mm Revolutions：950rpm Discharge volume：1.55m3/min Exhaust pressure：0.7Mpa Packing dimensions：1870×690×1410mm	1
Wires, pipes, valves, Control cabinet, Accessories, etc.,			1

1.Installation & Training
a.) The seller will send one engineer to install the machinery.
b.) Buyer is responsible for finding a translator locally for easy understanding.
c.) The customer will be asked to provide room, board, round-trip transportation, and a nominal $100 daily subsidy per person for their working days.
d.) Period of installation: The buyer should arrange at least 4 workers including one electric technician to help our engineer for installation. The raw material, workshop electric source should be well prepared before installation. On base of the above request, the installation period is 15-60 days including training the operator. A possible delay of the installation period will be additionally invoiced.
e.) The total length of the installation time depends on number and qualification of the available local stuff. A possible delay of the installation period will be additionally invoiced.
f.) We will provide on-site service after 1 year. The customer will be asked to provide room, board, round-trip transportation, and a nominal $120 daily subsidy per person.
g.) The seller is responsible for the fare of the visa in China.
2.Payment Terms: 40% of the whole amount pay as down payment by T/T ; The balance 60% paid before shippment after inspection by T/T.
3.Delivery Time: 45-60 working days after confirmation of the initial payment. Holiday will be automatically postponed to meet after the holidays

TOTAL:	FOB Qingdao Port













Project	Size	Maximum production capacity	Power consumption /hour
Parameter	25×5×2.5 m	500-600kg/h	170kw/h
Instructions	1.Three-phase four-wire: three-phase four-wire is three-phase fire line, one-phase zero line. 2. Power consumption: Different factories, different products and different operations will have different power consumption. The specific power consumption is based on actual production. Maximum production capacity: the specific food, production will be different, the difference will not be very big, specific to the actual production. Specification: Size is the basic size, the specific difference is not big, because of factory building reasons, or there are other arrangements for installation, please take the specific size after installation as the standard. 5 company after-sales: free technical support, one-year warranty, warranty period to maintain ultra-low-cost supply of spare parts. 6 Price fluctuation: The final price should be contacted or discussed by telephone. (Negotiations are		

Pet and Fish Feed Production Line

DETAILED INFORMATION:

MODEL	PICTURE	ComDescription	Quantity
Grinder		220V60HZ Power ：11kw Maximum crushing capacity:200-500kg/h Size：3*1.2*1.9m 1. Automatic suction 2. Crushing fineness: 50-100 meshes 3. Automatic dust removal	1

Mixer BF-II		220V60HZ Power ：7.5kw Maximum mixing capacity：50-100Kg/ times Size：1.2×0.9×1.3m 1.The mixer is mainly used for mixing raw materials, which can evenly mix main materials, auxiliary materials, water, trace elements, etc. 2.The maximum production capacity of this mixer is 50-100 kg per time, which takes about 3 minutes each time. 3. Manual control is needed to turn the switch forward and backward.	1
Screw conveyor		220V60HZ Power ：1.1KW Maximum conveying capacity:500-600kg/h Size：2.5×0.7×2.5m 1. The screw feeder is mainly used for lifting and conveying the raw materials after mixing to the main feeder. 2.Because of the size limitation of the hopper of the feeder, the conveying capacity of the equipment is greater than that of the feeder, so the machine is generally used in intermittent mode. 3. The control switch can be set separately or arranged directly in the	1
Extruder		220V60HZ Power：75kw Maximum production capacity：500-600Kg/h Size：3.7×1.1×1.9m 1. The main extruder is made of wheat flour, corn flour, bone meal and meat powder. The specific product shape can be replaced by a mold. Processed into pet food or feed products with different shapes and unique tastes. 2. The barrel is equipped with heating coil to preheat the equipment. The heating adopts the PID control mode, which saves energy and protects the environment. In normal production, the machine rubs itself to generate heat, and the heating system may partially heat, or even stop heating, so as to reduce power consumption. 3. The main motor and the rotary cutting motor adopt frequency conversion speed regulation, and can produce products with different	1
Wind Conveyor		220V60HZ Power：0.75kw Size：1×1.2×2.3m Maximum capacity：500-600kg/h 1. It is composed of air conveyor, conveying pipeline and salon. It uses wind energy to convey food products. 2. In normal production, the products with small particles and small weight and shape are	1

Electric oven		220V60HZ Power：2.2kw Power consumption：81kw/h Maximum drying capacity：500-600kg/h Size：8.1×1.3×2.8m 1. For drying food, the maximum drying capacity varies according to the amount of dehydration required. 2. The main motor is 0.75 kW and the heating power is 81 kw. 3. In normal production, the heating system may stop heating one or more of them and reduce power consumption, which is about 60 kw. 4. The oven is a 7-storey 8-meter electric oven with a belt-type circulating structure. 5. Different mesh webs can be laid according to feed size to ensure maximum food delivery rate.	1
Drum condiment		220V60HZ Power：1.55kw Power consumption/hour：3.86kw·h Maximum capacity：500-600kg/h Size：4.5*0.7*1.7m 1 Single drum, focusing on food seasoning and surface treatment. 2 The total installed power is 0.37+0.75+0.37+2.37=3.86 kw. 3 In normal production, when the room temperature is above 10 C, the heating system of the injector can not be used, and the power consumption can be reduced. 4. The condiment machine is a powder condiment equipment, which can be used with drum to evenly sprinkle the condiment on the product. 5. The fuel injector is an oil surface treatment equipment, which can adjust the spraying device to mist shape, and is used in conjunction with the drum.	1
Vibration Screening Machine		220V60HZ Power：0.2kw Power consumption/hour：0.4kw/h Maximum capacity：500-600Kg/h Size：1.3x0.8x0.9m Screening out good quality feed	1
Cooling conveyor line		220V60HZ Power:0.37KW Power consumption/hour：1.5kw/h Maximum capacity：500-600Kg/h Size：5×1.2×1.3m 1 is composed of conveyor and fan. 2. It is simple in structure and easy to operate. It is mainly used for wind cooling of products. If the middle cooling part is completely closed, the cooling effect is the best.	1

Automatic feeding and packaging unit		220V60HZ Power:2.5KW Power consumption/hour：2.5kw/h Maximum capacity：500-600Kg/h Size：4×1.2×1.9m 1 automatic weighing 2 Packing Range: 1 kg per bag - 50 kg per bag (need to replace monitor) 3 Material: Stainless steel	1
Wires, pipes, valves, Control cabinet, Accessories, etc.,			1

1.Installation & Training
a.) The seller will send one engineer to install the machinery.
b.) Buyer is responsible for finding a translator locally for easy understanding.
c.) The customer will be asked to provide room, board, round-trip transportation, and a nominal $100 daily subsidy per person for their working days.
d.) Period of installation: The buyer should arrange at least 4 workers including one electric technician to help our engineer for installation. The raw material, workshop electric source should be well prepared before installation. On base of the above request, the installation period is 10-15 days including training the operator. A possible delay of the installation period will be additionally invoiced.
e.) The total length of the installation time depends on number and qualification of the available local stuff. A possible delay of the installation period will be additionally invoiced.
f.) We will provide on-site service after 1 year. The customer will be asked to provide room, board, round-trip transportation, and a nominal $120 daily subsidy per person.
g.) The seller is responsible for the fare of the visa in China.
2.Payment Terms: 40% of the whole amount pay as down payment by T/T ; The balance 60% paid before shippment after inspection by T/T.
3.Delivery Time: 40-50 working days after confirmation of the initial payment. Holiday will be automatically postponed to meet after the holidays
4.Shipment : All the machines in the list should be packed in containers. The transport freight should be confirmed by two parts before delivery.

TOTAL:	**FOB Qingdao Port**

Appendix 1: Free Accessories List for Equipment

	Name	Quantity
1	Rotary cutter	6pcs
2	mould	6pcs
3	Circuit breaker	1pcs
4	Socket wrench	1pcs
5	Hexagonal spanner	1set
6	Temperature control chart	1pcs
7	Heating ring	2pcs
8	AC contactor	2pcs
9	Rotary cutting belt	2 roots
10	Unloading rod	1pcs











Project	Size	Maximum production capacity	Power consumption /hour
Parameter	25×5×2.5 m	500-600kg/h	170kw/h
Instructions	1.Three-phase four-wire: three-phase four-wire is three-phase fire line, one-phase zero line. 2. Power consumption: Different factories, different products and different operations will have different power consumption. The specific power consumption is based on actual production. Maximum production capacity: the specific food, production will be different, the difference will not be very big, specific to the actual production. Specification: Size is the basic size, the specific difference is not big, because of factory building reasons, or there are other arrangements for installation, please take the specific size after installation as the standard. 5 company after-sales: free technical support, one-year warranty, warranty period to maintain ultra-low-cost supply of spare parts.		

Pet and Fish Feed Production Line

DETAILED INFORMATION:

MODEL	PICTURE	ComDescription	Quantity
Grinder		220V60HZ Power ：11kw Maximum crushing capacity:200-500kg/h Size：3*1.2*1.9m 1. Automatic suction 2. Crushing fineness: 50-100 meshes 3. Automatic dust removal	1

Mixer BF-II		220V60HZ Power ：7.5kw Maximum mixing capacity：50-100Kg/ times Size：1.2×0.9×1.3m 1.The mixer is mainly used for mixing raw materials, which can evenly mix main materials, auxiliary materials, water, trace elements, etc. 2.The maximum production capacity of this mixer is 50-100 kg per time, which takes about 3 minutes each time. 3. Manual control is needed to turn the switch forward and backward.	1
Screw conveyor		220V60HZ Power ：1.1KW Maximum conveying capacity:500-600kg/h Size：2.5×0.7×2.5m 1. The screw feeder is mainly used for lifting and conveying the raw materials after mixing to the main feeder. 2.Because of the size limitation of the hopper of the feeder, the conveying capacity of the equipment is greater than that of the feeder, so the machine is generally used in intermittent mode. 3. The control switch can be set separately or arranged directly in the	1
Extruder		220V60HZ Power：58kw Maximum production capacity：500-600Kg/h Size：2.7×0.9×3 Main Products: The equipment has a wide range of raw materials, many shapes of products. The extruder consists of feeding system, extrusion system, heating system, transmission system, rotary cutting system and control system. The material is fed by feeder, and the barrel is expanded by high temperature, high pressure and high shearing to meet the quality requirements of the required organizational state. The raw material is sterilized by high temperature and high pressure in the process of processing, which ensures the hygiene and safety of the product. The machine adopts stepless speed regulating feeder and feeds uniformly. The main gear box is equipped with gear oil pump cooling and lubrication system; the screw has excellent performance.	1
Wind Conveyor		220V60HZ Power：0.75kw Size：1×1.2×2.3m Maximum capacity：500-600kg/h 1. It is composed of air conveyor, conveying pipeline and salon. It uses wind energy to convey food products. 2. In normal production, the products with small particles and small weight and shape are transported.	1

Electric oven		220V60HZ Power：2.2kw Power consumption：81kw/h Maximum drying capacity：500-600kg/h Size：8.1×1.3×2.8m 1. For drying food, the maximum drying capacity varies according to the amount of dehydration required. 2. The main motor is 0.75 kW and the heating power is 81 kw. 3. In normal production, the heating system may stop heating one or more of them and reduce power consumption, which is about 60 kw. 4. The oven is a 7-storey 8-meter electric oven with a belt-type circulating structure. 5. Different mesh webs can be laid according to feed size to ensure maximum food delivery rate.	1
Drum condiment		220V60HZ Power：1.55kw Power consumption/hour：3.86kw·h Maximum capacity：500-600kg/h Size：4.5*0.7*1.7m 1 Single drum, focusing on food seasoning and surface treatment. 2 The total installed power is 0.37+0.75+0.37+2.37=3.86 kw. 3 In normal production, when the room temperature is above 10 C, the heating system of the injector can not be used, and the power consumption can be reduced. 4. The condiment machine is a powder condiment equipment, which can be used with drum to evenly sprinkle the condiment on the product. 5. The fuel injector is an oil surface treatment equipment, which can adjust the spraying device to mist shape, and is used in conjunction with the drum.	1
Vibration Screening Machine		220V60HZ Power：0.2kw Power consumption/hour：0.4kw/h Maximum capacity：500-600Kg/h Size：1.3x0.8x0.9m Screening out good quality feed	1
Cooling conveyor line		220V60HZ Power:0.37KW Power consumption/hour：1.5kw/h Maximum capacity：500-600Kg/h Size：5×1.2×1.3m 1 is composed of conveyor and fan. 2. It is simple in structure and easy to operate. It is mainly used for wind cooling of products. If the middle cooling part is completely closed, the cooling effect is the best.	1

Automatic feeding and packaging unit		220V60HZ Power:2.5KW Power consumption/hour：2.5kw/h Maximum capacity：500-600Kg/h Size：4×1.2×1.9m 1 automatic weighing 2 Packing Range: 1 kg per bag - 50 kg per bag (need to replace monitor) 3 Material: Stainless steel	1
Gas furnace		500kg Include: Boiler Main Engine+Control Cabinet+Weak Cabinet+Primary Instrument Valve Part 4 Leakage protection: When the boiler leaks electricity, cut off the power supply through the leakage circuit breaker in time to ensure personal safety. (2) Water shortage protection: When the boiler is short of water, cut off the heating pipe control circuit in time to prevent the heating pipe from dry burning damage, and the controller sends out water shortage alarm instructions.	1
Wires, pipes, valves, Control cabinet, Accessories, etc.,			1

1.Installation & Training
a.) The seller will send one engineer to install the machinery.
b.) Buyer is responsible for finding a translator locally for easy understanding.
c.) The customer will be asked to provide room, board, round-trip transportation, and a nominal $100 daily subsidy per person for their working days.
d.) Period of installation: The buyer should arrange at least 4 workers including one electric technician to help our engineer for installation. The raw material, workshop electric source should be well prepared before installation. On base of the above request, the installation period is 10-15 days including training the operator. A possible delay of the installation period will be additionally invoiced.
e.) The total length of the installation time depends on number and qualification of the available local stuff. A possible delay of the installation period will be additionally invoiced.
f.) We will provide on-site service after 1 year. The customer will be asked to provide room, board, round-trip transportation, and a nominal $120 daily subsidy per person.
g.) The seller is responsible for the fare of the visa in China.
2.Payment Terms: 40% of the whole amount pay as down payment by T/T ; The balance 60% paid before shippment after inspection by T/T.
3.Delivery Time: 40-50 working days after confirmation of the initial payment. Holiday will be automatically postponed to meet after the holidays
4.Shipment : All the machines in the list should be packed in containers. The transport freight should be confirmed by two parts before delivery.

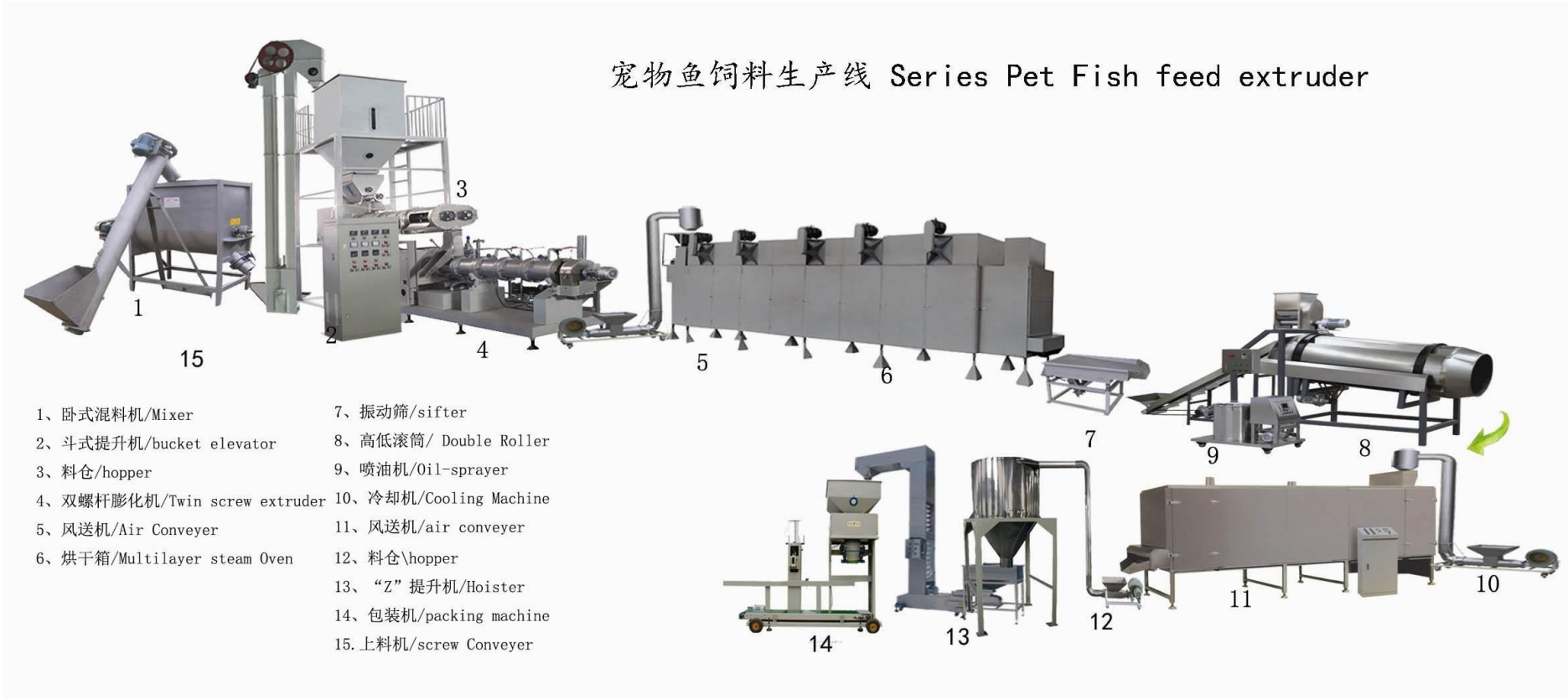
TOTAL:	**FOB Qingdao Port**

Appendix 1: Free Accessories List for Equipment

	Name	Quantity
1	Rotary cutter	6pcs
2	mould	6pcs
3	Circuit breaker	1pcs
4	Socket wrench	1pcs
5	Hexagonal spanner	1set
6	Temperature control chart	1pcs
7	Heating ring	2pcs
8	AC contactor	2pcs
9	Rotary cutting belt	2 roots
10	Unloading rod	1pcs

SLG100 Fish food making whole line:

Blender Mixer→elevator→Storage→Conditioner→SLG100 Fish food extruder→Air conveyer→**Steam Dryer**→Sifter→Hoister→oil sprayer→Single Drum→Air conveyer→Cooling box→Air conveyer→Hopper→Hoister&packing machine.



2. SLG100 Fish food processing Line description:

NO.	Machine Picture	Machine Price	Main Feature
1	 **Blender**		1.Blender Main motor: 11.0kw 2.Size: 2500*1400*19000 3.Output: 1000-2000kg/h 4. Operate easily and safety. It used to mix the raw material before material hopper.
2	 **Screw elevator**		1.Output: 1000-3000kg/h 2. Main motor: 1.1kw 3. Size: Depend on the hopper require. 4. Convey the material from mixer to hopper. 5.speed: 1.2m/second.
3 4 5	 **SLG100 Fish food extruder & Hopper & Conditioner**		**Hopper:** 1.Size: 1.0×1.0×4.5m 2. The bottom with screw feeder to feed the ingredients at set speed. 3. This storage can store the raw material.It can make sure enough material for extruder. **Double screw Fish food extruder:** 1.Main motor power: 110.0kw Inverter speed controlling 2.Feeding power :2.2kw Inverter speed controlling 3.Cutting power 2.2 kw Inverter speed controlling 4.Gear box oil lubrication pump: 0.37kw 5.Capacity： 1500-2000.00kg/h 6.Size : 5000*1150*2000 7. Conditioner: Manual Fill Knob, Automatic add water 8.Screw diameter 100mm Machine weight: 4.0tons 9.Screw materials 38CroMnAl Barrel Steel 45# **Conditioner Features:** A. preface which touches raw materials is stainless.

			B. Adopt import sprayer, water needed enter mixer in fog. C . Water quantity is adjusted according to requirements at any time, in order to meet different technology and different raw material. D. We may put in water or steam, apply is wide.
6	 **Air conveyer**		1.Stainless steel for material touch place 2.Main Motor :5.5kw 3.Size2.5x0.5x4.0(m) 4. Convey the product from extruder to dryer. **Functions:** 1.Air conveyor conveys the food relying on the wind-force from the blower. 2.It is more suitable for the long distance conveying.
7	 **Steam dryer**		Driving Motor：1.5kw（2 sets）. Air circulate motor：40.0kw（10sets） exhaust fan ：2.2kw. Machine material：product touch net adopt stainless steel Feed hopper parts adopt stainless steel size：11500×2000×2500mm Dryer surface adopt carbon steel.
8	**Hoister&Single drum**		**Hoister:** Food types PVC for material touch place. Main Motor:1.5 kw Size:2.5x0.8x1.5 (m) Convey the product from dryer to double roller.
9	**Oil sprayer(Big tank)**		**Flavouring part---Single Drum:** Motor: 1.kw Material: stainless steel Size: 3500*1000*1600mm

10			**Oil sprayer Function:** Motor: 0.37kw Heating powder:6.0kw Stainless steel
11	 **Air conveyer**		1.Stainless steel for material touch place 2.Main Motor :5.5kw 3.Size2.5x0.5x4.0(m) 4. Convey the product from extruder to dryer. **Functions:** 1.Air conveyor conveys the food relying on the wind-force from the blower. 2.It is more suitable for the long distance conveying.
12	 **Cooling box**		Drive Power 0.75kw Fan:1.98kw（ total 9 fan） Capacity:0-2000kg/h Size:5000*560*1600mm Stainless steel belt, belt width 1.0 meter .
13	 **Air conveyer & Hopper**		Air conveyer: 3.0kw Size: 2.5*0.7*2.3m Hopper size: 1.5*1.5*2.0m It can take the Fish food pellet to store hopper. so it can make the packing machine working well, No need waiting enough pellet when packing.

14	 **Z hoister & Packing machine**		1.Stainless steel for material touch place 2.Main Motor :2.2kw 3.Size:3.0x0.6x6.0(m) 4. Convey the product from extruder to dryer.
15			**Flowing Process:** Manual Bag placing→Automatic filling→Automatic weighing→ Automatic bag conveyer→Automatic bag sewing **Technical Parameter:** Type: BZJ Weighting Range(kg): 15~20kg Precisions: ±0.2%FS Source(V/ Hz): 380 , 50, 3Phase, as per your needs Air resource(MPA): 0.4～0.6 Power(Kw): 2.2/3 1400×700×2800mm, subject to the real machine.

Total SLG100 Fish food making line price:

Remarks: Customer should install 1.5-2.0ton boiler for this whole line.

1.Installation & Training

a.) The seller will send one engineer to install the machinery.

b.) Buyer is responsible for finding a translator locally for easy understanding.

c.) The customer will be asked to provide room, board, round-trip transportation, and a nominal **US$100** daily subsidy per person for their working days.

d.) Period of installation: The buyer should arrange at least 4 workers including one electric technician to help our engineer for installation. The raw material, workshop electric source should be well prepared before installation. On base of the above request, the installation period is 15-60 days including training the operator. A possible delay of the installation period will be additionally invoiced.

e.) The total length of the installation time depends on number and qualification of the available local stuff. A possible delay of the installation period will be additionally invoiced.

f.) We will provide on-site service after 1 year. The customer will be asked to provide room, board, round-trip transportation, and a nominal **$150** daily subsidy per person.

g.) The seller is responsible for the fare of the visa in China.

2.Payment Terms: 40% of the whole amount pay as down payment by T/T ; The balance 60% paid before shippment after inspection by T/T.

3.Delivery Time: 45-60 working days after confirmation of the initial payment. Holiday will be automatically postponed to meet after the holidays

4.Shipment : All the machines in the list should be packed in containers. The transport freight should be confirmed by two parts before delivery.

5.Workers: SLG100 Pet food processing line, 5-6 operators are needed to run the full line. In the noon should better make the machine running.

6. Voltage/frequency: All line can work under **380V, 50Hz Three phase . Single phase 220v,** if the voltage is different, we can change all the electricity parts for your require , But you should pay for extra cost for changing.

7. Workshop: L -35-45m wide: 15-20m Height: 8-10m.

SPARE PARTS LIST

THE FOLLOWING ARE FREE SPARE PARTS WHICH ARE ENOUGH FOR 1 YEAR USE. THEY WILL BE WITH THE MACHINERY

Electricity Button	**Four**
Temperature control table	Two
Barral heater	Three
Mould	Five dies
cutter	200 double
Cutting Motor belt	Two
double-screw bolt for mould	four
Common remove tool for mould	One set
Normal mould demount Tool	One set
Dryer temperature control table	one
internal hexagon spanner	One set
thermocouple For extruder	One
Normal Used screw for machine	Some
Oil sprayer nozzle	Two
Machine instruction book	One set
Rotary cutter heat	one
Discharging bar for mould	one

DMB HK Limited
Doing Major Business

MILK AND YOGURT

FOOD LINE



FLUID EQUIPMENT
流体设备

35/F., Central Plaza, 18 Harbour Road. Wanchai - Hong Kong
Telephone: +852 2824 8140 WhatsApp: +852 6778 9546 Wechat: +86 130 2881 9456 Web: www.dmb-hk.com

板式巴氏奶、酸奶加工成套设备
Complete equipment for pasteurized milk and yogurt



产品特点 Product Features

1、设备由卸奶罐、过滤器、奶泵、原奶储存罐、四段板式杀菌机、均质机、成品奶储存罐、酸奶搅拌发酵罐、冰水机组、CIP清洗机、输送线、自动灌装机、旋盖机、喷码机等部分组成。

2、设备自动化程度高。开启连续生产后，预热、均质、杀菌、制冷、灌装、旋盖、喷码等加工步骤都无需人工干预，减少了人工使用量，降低了劳动强度。且加工出的产品同质化程度高，品质好，杀菌制冷迅速，利于产品的长期储存。

3、杀菌制冷工艺，采用多段式板片结构，实现了热能的回收再利用。很好的避免了能源浪费，有效降低了生产企业的生产成本。

4、设备实用性广泛，可以满足，从大、中、小型牧场，到乳品生产企业、中央厨房、加工中心等生产场的鲜奶加工需求。

5、设备可根据具体客户的不同需求，设计方案定做设备。

1 进奶 → 2 原奶储存 → 3 预升温 → 4 均质 → 5 杀菌 → 6 降温

巴氏奶工作流程 Process Of Pasteurized Milk

1 成品奶储存 → 2 灌装 → 3 旋盖 → 4 喷码

技术参数 Technical Parameters

产　　量	1/2T/H
灌装旋盖	200-2000瓶/H（可调节）
材　　质	SUS304/SUS316
加热形式	电加热或蒸汽
杀菌温度	50-95℃（可调节）
制冷方式	冰水机组
制冷温度	2-35℃（可调节）
总用电功率	59kw/102kw（或因型号而异）
占地面积	24m×4m×4m或12m×6.5m×4m

酸奶工作流程 Yogurt Workflow

1 添加菌种 → 2 搅拌发酵 → 3 灌装 → 4 旋盖 → 5 喷码

罐式巴氏杀菌加工流水线
Tank type pasteurization process line



产品特点 Product Features

1、设备由卸奶罐、过滤器、预热罐、均质机、杀菌罐、制冷罐、奶泵、配电箱、半自动灌装机、输送线、缩膜机组成。

2、采用罐式结构，通过循环奶泵与不锈钢管道把各个系统匹配起来，且配备CIP清洗球。操作简单、劳动强度低、且清洗方便彻底。

3、预热系统、杀菌系统、制冷系统、灌装系统可单独启动，互不牵扯。提高连续生产能力，使用更加方便。

4、生产速度较快，加工流程标准，很好的结合了设备性能与价格。

5、适用于中小型牧场、加工中心、大学食堂、中央厨房等乳制品生产场所。

技术参数 Technical Parameters

型　　号	150/300L//500L型
产　　量	150/300L//500L次
材　　质	SUS304
杀菌温度	50-95℃（可调）
制冷温度	2-8℃
制冷方式	压缩机降温
总 功 率	61KW
占地面积	10m×3m×3m或6m×5m×3m

加工流程 Machining Process

1 进奶 → 2 过滤 → 3 预热 → 4 均质 → 5 杀菌

6 制冷 → 7 灌装 → 8 扣盖 → 9 缩膜

全自动灌装流水线
Automatic filling assembly line



产品特点 Product Features

1、设备由灌装机、旋盖机、喷码机、动力头、输送线组成。

2、适用于各类瓶型的灌装、旋盖、压盖、喷码。

3、灌装机配备了特有的回收系统。不仅彻底消除了奶类物料灌装中的气泡现象，而且提高了灌装精度。

4、旋盖机采用触摸屏+变频器的电器组合，从而实现了生产速度的一键调节。

5、喷码机选用进口喷头，使喷码更加清晰，提高了产品档次。

6、整线匹配合理，自动化成都高，灌装、旋盖、喷码无需人工干预。

技术参数 Technical Parameters

型　　号	6/8/10头灌装流水线
最大产量	1400/1700/2000瓶/h
灌 装 量	20-2000克（可调节）
材　　质	SUS304
总 功 率	6.7KW
重　　量	1580kg
整线尺寸	8000×1000×2000mm

双罐连续式杀菌机
Double tank continuous sterilizer



技术参数 Technical Parameters

型　　号	双罐连续式杀菌机
产　　量	150kg/次（可连续生产）
材　　质	SUS304
杀菌温度	75-95℃（可调）
制冷温度	2-8℃
制冷功率	3p 2.6kw
总 功 率	23kw 20kw(水降温)
重　　量	980kg
外形尺寸	2260×1150×2080mm

产品特点 Product Features

冷热罐温度自动控制；加热介质为导热油或水，升温快，能耗低且能在最程度上保留牛奶原有营养和口感；冷却罐采用专利技术的罐内直冷方式，减少自来水的消耗，并可迅速降温到2~3度，利于巴氏奶的长期保存；杀菌或冷却时，牛奶在罐内自动定时循环，使受热或制冷更加均匀；本机可连续生产，适合小型加工中心使用或进行店面配送。

三罐循环式杀菌机
Three cans of circulating sterilizer



技术参数 Technical Parameters

型　　号	三罐循环式杀菌机
产　　量	150kg/次（可连续生产）
材　　质	SUS304
杀菌温度	75-95℃（可调）
制冷温度	2-8℃
制冷功率	3p 2.6kw
总 功 率	23kw 20kw(水降温)
重　　量	980kg
外形尺寸	2260×1150×2080mm

产品特点 Product Features

冷热罐温度自动控制；加热介质为导热油或水，升温快，能耗低且能在最程度上保留牛奶原有营养和口感；冷却罐采用专利技术的罐内直冷方式，减少自来水的消耗，并可迅速降温到2~3度，利于巴氏奶的长期保存；杀菌或冷却时，牛奶在罐内自动定时循环，使受热或制冷更加均匀；本机可连续生产，适合小型加工中心使用或进行店面配送。

冰制冷型鲜奶巴氏杀菌机
Ice - cooled fresh milk pasteurizer



产品特点 Product Features

杀菌机主要由奶罐、搅拌装置、加热装置、底座、循环水泵、循环水路和制冷装置组成，奶罐中有搅拌装置，可以使奶受热均匀，鲜奶杀菌机做出的巴氏杀菌奶最大限度的保存了鲜奶中的活性成分，保证牛奶营养新鲜原滋原味。

技术参数 Technical Parameters

型　　号	100L/150L型
产　　量	100L/150L/次
杀菌时间	10-30min（可调）
杀菌温度	50-99℃（可调）
升温周期	25-40min
功　　率	380V9kw/220V6kw
外形尺寸	1900×800×1980mm

压缩机制冷型鲜奶巴氏杀菌机
Compressor refrigeration type fresh milk pasteurization machine



产品特点 Product Features

杀菌机主要由奶罐、搅拌装置、加热装置、底座、循环水泵、循环水路和制冷装置组成，奶罐中有搅拌装置，可以使奶受热均匀，鲜奶杀菌机做出的巴氏杀菌奶最大限度的保存了鲜奶中的活性成分，保证牛奶营养新鲜原滋原味。

技术参数 Technical Parameters

型　　号	100L/150L型
产　　量	100L/150L/次
杀菌时间	10-30min（可调）
杀菌温度	50-99℃（可调）
升温周期	25-40min
功　　率	380V9kw/220V6kw
外形尺寸	1900×800×1980mm

单罐型鲜奶巴氏杀菌机
Single can of fresh milk pasteurizer



产品特点 Product Features

1、自来水循环降温；
2、罐体底部加热；
3、适用于店面较小及380V电源的小区或创业店。

技术参数 Technical Parameters

型　　号	50/75/100/150型
产　　量	50/75/100/150kg/次
材　　质	SUS304
杀菌温度	75-95℃（可调）
杀菌时间	15s-30min（可调）
制冷方式	自然冷水
加热功率	220V 6kw 380V 9/12kw
总 功 率	220V 6.5kw 380V 9.5/10.5kw
重　　量	100kg
外形尺寸	950×750×1000mm

经济型鲜奶巴氏杀菌机
Economical fresh milk pasteurization machine

产品特点 Product Features

杀菌机整机采用优质不锈钢制作，杀菌时间、杀菌温度可调并设有自动控温装置，奶罐加有保温装置，并设有温度补偿装置，有效的保证了槽内水温的均衡性，保证杀菌效果。

技术参数 Technical Parameters

型　　号	100L/150L型
产　　量	10-150L/次
杀菌时间	10-30min（可调）
杀菌温度	50-99℃（可调）
升温周期	25-40min
功　　率	380V 9 220V 6kw
外形尺寸	1400×780×1530mm



鲜奶包装机
Fresh milk packing machine



产品特点 Product Features

1、操作方便简单，电脑板控制，一键启动，生产过程无需人工干预；
2、封口精致，纹路清晰，产品档次高；
3、灌装量可调节，且定量准确，误差小；
4、可以与巴氏杀菌机配套使用，使操作更加方便。

技术参数 Technical Parameters

功　　率	1.2kw
电　　压	220V
外形尺寸	1250×650×1680mm

酸奶机
Yogurt machine

产品特点 Product Features

1、设备采用循环水走向，箱内各处温度受热均匀；
2、独特科学的外形设计，美观、大方；
3、采用微电脑数字显示，发酵-冷凝冷藏全自动完全，操作零难度。

技术参数 Technical Parameters

单开门	发酵功率	500w
	制冷功率	200w
	电　　压	220V
	外形尺寸	600×520×1900mm
双开门	发酵功率	1000w
	制冷功率	300w
	电　　压	220V
	外形尺寸	1250×600×1900mm



双门酸奶机



单开门酸奶机

消毒柜
Disinfection cabinet



产品特点 Product Features

1、 适用中温制品餐具等不耐温产品消毒保洁，不损坏餐具，不烫手等优点，并配置超高温保护功能。
2、 设有门控安全装置，外观豪华，牢固，令你的操作间更加增添典雅气氛。
3、 采用仿真欧式流行外观设计，令产品更加豪华美观大方。
4、 柜体内采用不锈钢板材料或喷涂板材料制造，坚固耐用，清洁卫生。

技术参数 Technical Parameters

功　　率	1.2kw
电　　压	220V
外形尺寸	1250×650×1680mm

低温操作台
Cryogenic operation station



产品特点 Product Features

1、高效率蒸发器，过滤器，配名牌主机，节能省电；
2、聚氨酯高压发泡工艺，保温效果更佳；
3、优质温控系统，控制稳定可靠。

技术参数 Technical Parameters

功　　率	180w
电　　压	220V
外形尺寸	1800×800×850mm

简化型血豆腐成套加工生产线
Simplified blood tofu production line



产品特点 Product Features

1、整体采用SUS304不锈钢制作；
2、采用内外抛光技术处理，外形工艺美观，清洗方便，密封、质量可靠。
3、可根据客户要求制作单层、带保温形式（保温桶）、带出料口阀门三种。

工艺流程 Process Flow

1 采血 → 2 冷藏 → 3 配料 → 4 真空脱气 → 5 高位灌装 → 6 装盒 → 7 高温灭菌 → 8 检验 → 9 成品入库



标准型血豆腐成套生产线
Standard blood tofu production line

工艺流程 Process Flow

1 采血 → 2 暂存 → 3 过滤 → 4 高速搅拌 → 5 低速搅拌

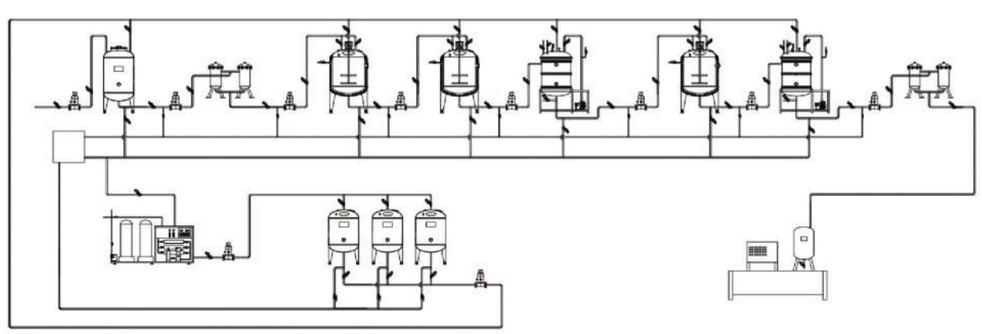
6 真空脱气 → 7 配料 → 8 二次脱气 → 9 灌装 → 10 凝固

11 高温灭菌 → 12 检验 → 13 成品入库





流程示意图 Flow Diagram



案例展示
Case Show













企业车间展示
Workshop display







2000 t/d yoghurt production line



Basic process flow:

1. **Basic process flow**:

Basic production process of pasteurized (yoghurt) milk: raw milk storage filtration preheating homogenization sterilization pre-cooling fermentation filling cleaning

2. **Matching equipment**:

The matching equipment of standard process of pasteurized milk is refrigeration storage tank pump double filter pump preheating tank pump homogenizer temporary storage tank pump stirring sterilizer pump pre-cooling tank pump fermentation tank filling machine rinsing system of CIP.

3. **Brief introduction of process flow**:

(1) Customers store fresh milk in the raw milk tank as a whole, and then use stainless steel milk pump and double filters to preheat the raw milk into the preheating tank. Generally, the preheating temperature will be about 45 degrees Celsius.
(2) After the preheating is completed, the raw milk is poured into the homogenizer for homogenization, and the corresponding accessories are added to make the raw milk more silky after homogenization.
(3) After homogenization is completed, the centrifugal milk pump is opened and the raw milk is poured into the pasteurization tank for sterilization and stirring.
(4) When sterilization is needed, the centrifugal milk pump connecting the original milk tank and pasteurization tank is opened and pasteurized by 350# heat conducting oil or hot water/steam. According to different heat sources and production, the pasteurization time is generally about 0.5-1.5 hours, and pasteurization temperature is 85.
(5) After sterilization, fresh milk is poured into the precooling tank through the milk pump. The precooling tank uses cold water to cool down beforehand, and then into the fermentation tank, adding the corresponding strains and fermentants to ferment yoghurt.
(6) After fermentation, the yogurt is poured into the filling machine through the milk pump for filling and sealing.
(7) After the whole operation is completed, CIP cleaning is needed for the equipment. The so-called CIP cleaning is called Clean In Place, which means in-situ cleaning/online cleaning.

DETAILED INFORMATION:

MODEL	PICTURE	ComDescription	Unit Price (USD)	Quantity	PRICE (USD)	CBM
Refrigeration storage tank		**2000L Material: SUS304 stainless steel; Power supply: 380V/50Hz; Total power: 4.5 kw; Compressor power 5P; Refrigeration medium: R22; Installation Size: 2050-1500-1500mm**		**1**		

duplex strainer		**1T/h Material: SUS304 stainless steel; Mesh size: 200 meshes; Appearance size: 900-500-650mm**		**1**		
Preheating tank		**500L Material: SUS304 stainless steel; Power supply: 380V/50Hz; Total power: 36 kw; Installation Dimensions: 1400-1400-1950mm**		**1**		
homogenizer		**500L Material: SUS304 stainless steel; Power: 7.5 kw; Output: 500L/h; Installation Size: 1200-800-1150mm**		**1**		
Temporary storage tank		**500L Material: SUS304 stainless steel; Installation Dimensions: 1140-1150-1950mm**		**1**		
Ultra-high temperature instantaneous sterilization		**Quality: SUS304; Power supply: 380V/50Hz; Heating power: 36 kw; Installation Dimensions: 1400-1400-1950mm**		**1**		

Precooling tank		**500L Material: SUS304 stainless steel; Power supply: 380V/50Hz; Installation Dimensions: 1400-1400-1950mm**		**1**		
Fermentation tank		**500L Material: SUS304 stainless steel; Power supply: 380V/50Hz; Heating power: 36 kw; Installation Dimensions: 1400-1400-1950mm**		**2**		
Intermittent Punch Controller		**56 heads Production capacity: 3500 bottles/h (single row) The power of the whole machine: 1.2kW adopts two-stage reducer, variable frequency stepless speed regulation Weight: single 350Kg Number of punching heads: 56 in single row Size single column: 3200-650-1350mm**		**1**		
Negative pressure filling machine		**GFP-24 Production capacity: 2000 bottles per hour; Filling capacity: 100-500 ml; The liquid level error: +1 mm; Number of filling heads: 24; Host power: 0.75 kw; Size: 1000-1000-2000 mm**		**1**		
Capping machine		**Linear type**		**1**		
Labelling machine				**1**		

Speed regulating power head		**Speed regulating type**		**2**		
Conveyor line		**1m**		**8**		
Code printer		**Power Requirements: AC220V + 20% 50HZ 75VA** **Nozzle duct: 2.0m, customizable.** **Whole machine weight: 29Kg** **Size: 370-270-520mm**		**1**		
CIP Cycle/Cleaning System		**Box type Φ32** **Subject material SUS304;** **Total power 27-36 kw;** **Three box type;** **Size 1800-1200-1450mm** **Weight 300kg**		**1**		
Sanitary milk pump		**Φ32** **SUS304, Polishing, 1T/H,** **Diameter 93mm**		**1**		
Piping system		**Φ32** **With all milk circulation pipelines, elbows, tees, valves, etc.**		**1**		

Control system		**Semi-automatic Semi-automatic control; Shape size 1000-600-1400mm Weight 150kg**		**1**		
Air compressor				**1**		
Plastic bottle sealing machine				**1**		
Wires, pipes, valves，Control cabinet，Accessories, etc.,				**1**		
Installation service:Installation time is 15 days.(2people)Over 15days, it is necessary to compensate workers for 200 dollars / day Customers provide visa fees, round-trip ticket fees, transportation costs, meals expenses, residence costs. Customers need to provide 4-5 local workers to complete the project together.						
TOTAL:	FOB qingdao port					
30% T/T down payment, 70% T/T against copy of B/L						











DMB HK Limited
Doing Major Business

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乳化及搅拌设备

Emulsifying & Mixing Equipment

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Emulsifying Machine Series
乳化机系列

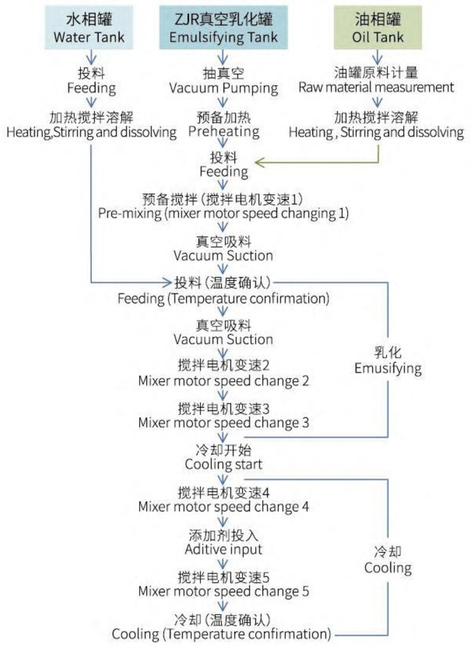
乳化机是日化、食品、制药等行业常见的一种操作单元，用于将两种不相溶的液体（其中之一几乎总是水，另一相为不溶于水的“油”）转变成均匀分布的液液分散体系（乳液）的设备。依据乳状液稳定性理论，要使形成的分散体系长期保持相对稳定状态，液滴应尽可能小，通常需要小于 10um。意凯所生产的乳化机都是基于这一原理设计，通过高速旋转的高剪切定转子系统及相应的刮壁搅拌系统所提供的机械能，使一相混入到另一相之中，通过粗液滴的变形和破裂，使粗液滴的直径不断减小以至最终完成均匀的乳化过程。

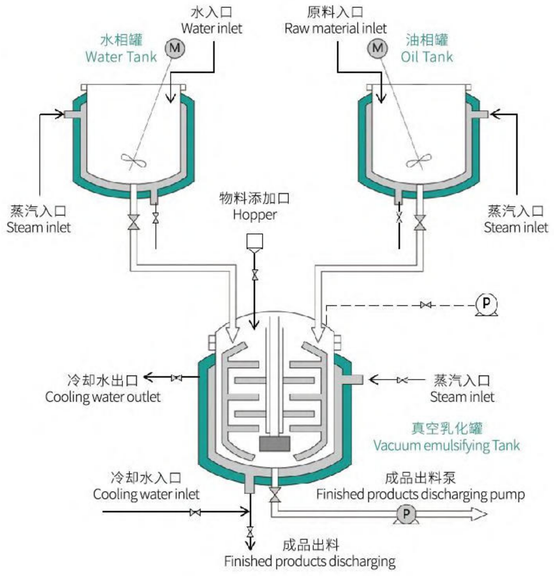
Emulsifying machine is a common operation unit in daily chemical, food, pharmaceutical and other industries. It is used to transform two immiscible liquids (one of which is almost always water and the other is an insoluble "oil"). equipment to form a uniformly distributed liquid-liquid dispersion system (emulsion). According to the emulsion stability theory, in order to keep the formed dispersion system relatively stable for a long time, the droplets should be as small as possible, usually less than 10um. Emulsifiers produced by YeKeey are designed based on this principle. One phase is mixed into the other phase through the mechanical energy provided by the high-speed rotating high-shear stationary rotor system and the corresponding scraped wall stirring system. The deformation and rupture of the liquid droplets make the diameter of the coarse liquid droplets continuously decrease, so that the uniform emulsification process is finally completed.



ZJR乳化机对转式搅拌桨
及高剪切均质器

乳化机工艺流程图
Technological process of emulsifying machine



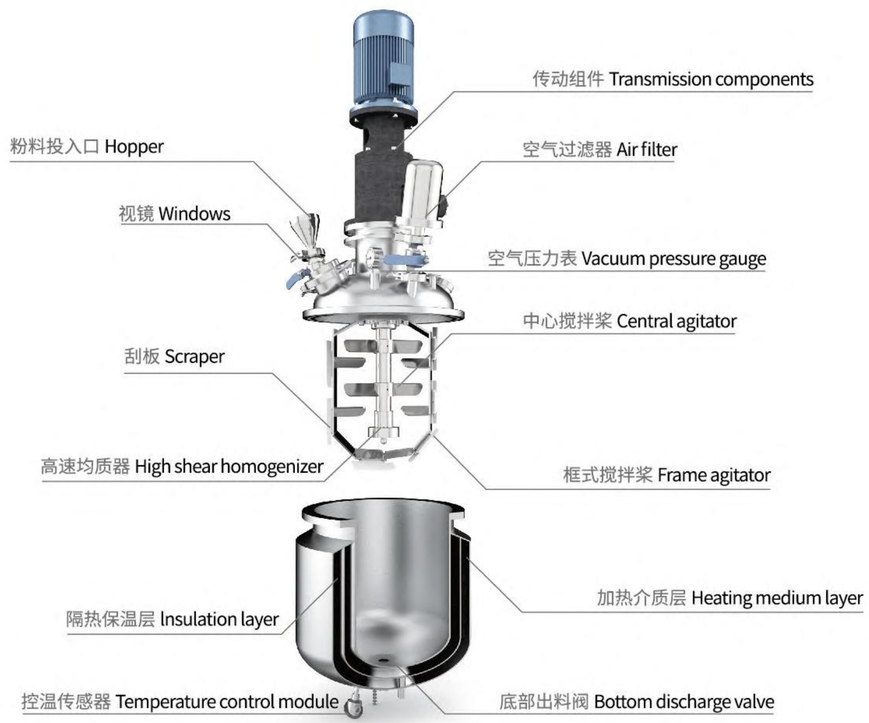


工作原理
working principle

物料在预处理罐内通过加热、搅拌进行初步混合分散后，由真空泵形成的负压吸入乳化罐。物料在乳化罐内通过刮壁搅拌桨和高剪切均质器的共同作用，经历搅拌、剪切、冲击、压缩等复杂的综合过程，迅速被破碎成 120nm 至 2um 的微液滴，从而形成稳定的乳液状态。在此过程中，由聚四氟乙烯制作的刮壁板可始终贴合罐体内表面，迅速扫净壁面，使料体与罐壁不断形成新壁面，提高热交换效率的同时保证罐内高粘度料体的均一性。同时，设备所配置的高真空系统可以快速抽出制备过程中产生的空气，避免成品料体中因含有气泡而造成的氧化或污染，并且经脱泡后的料体更具光泽和延展性。

After the materials are initially mixed and dispersed in the pretreatment tank by heating and stirring, the negative pressure formed by the vacuum pump suck the material into the emulsifying tank. In the emulsification tank, the material is quickly broken into micro-droplets of 120nm to 2um through the combined effects of stirring, shearing, impacting, and compression through the combined action of a scraping wall stirring paddle and a high-shear homogenizer, then become the stable emulsion state. In this process, the scraper wall made of polytetrafluoroethylene can always adhere to the inner surface of the tank, and quickly clean the wall surface, so that the material body and the tank wall continue to form a new wall surface, which improves the heat exchange efficiency while ensuring the homogeneity of the high viscosity material body in the tank. At the same time, the equipment is equipped with a high-vacuum system that can quickly extract the air generated during the preparation process, avoid oxidation or pollution caused by bubbles in the finished material, and the material after defoaming is more shiny and ductile.

基本结构说明图
Illustration of basic structure



ZJR Series Full Function Vacuum Emulsifying Machine

ZJR 系列全功能真空乳化机

基础配置 Basic Configuration

- 乳化罐罐盖为自动升降式，主罐可翻转倾倒。
- 乳化罐内配有高剪切均质器和对转式刮壁搅拌桨。
- 配有水相罐和油相罐两个预处理罐。
- 预处理罐内装有高速分散系统。
- 系统配有真空系统，预处理罐内物料可通过负压吸入乳化罐。
- 罐体内外表面镜面抛光，符合卫生级要求。
- 采用夹层电加热的加热方式，传热均匀，控温精度高，系统也可接入冷却水进行冷却。
- 采用按钮或 PLC 的控制方式，简单、明了，易上手。

- The lid of the emulsification tank is an automatic lifting type, and the main tank can be inverted and dumped.
- The emulsification tank is equipped with a high-shear homogenizer and a counter-rotating scraper.
- Equipped with two pretreatment tanks: water phase tank and oil phase tank.
- The pretreatment tank is equipped with a high-speed dispersion system.
- Equipped with a vacuum system, and the materials in the pretreatment tank can be sucked into the emulsification tank through negative pressure.
- The inner and outer surfaces of the tank are mirror-polished to meet sanitary requirements.
- It adopts the heating method of jacket layer electric heating, which has uniform heat transfer and high temperature control accuracy. The system can also be connected with cooling water for cooling.
- It adopts the control mode of button or PLC, which is simple, clear and easy to use.

优势 Key Benefits

- 适应高粘度料体，最高粘度可达 80,000MPas。*
- 乳化效果好，所形成乳液稳定，微液滴粒径通常小于 5um。
- 主罐可采用倾倒或通过罐底阀的出料方式。
- 所配真空系统可使乳化罐内形成 -0.093MPa 以上的高真空度。
- 与物料直接接触部位采用优质 316 不锈钢材质。**
- 加热温度采用 PID 控制，加热迅速、控温精度高。
- 加热夹层外设置有隔热保温层，防止操作人员烫伤。
- 全系列配置 LED 罐内照明及带刮壁的观察手孔。
- 结构便于清洁及养护。
- 设备内设置有大量防呆及其他保护机构，尽可能的避免人员伤害及设备的意外损坏。
- 可接受其他的功能定制。

- Suitable for high viscosity materials, the highest viscosity can reach 80,000MPas. *
- Good emulsification effect , and stable emulsion form, the particle size of the micro-droplets is usually less than 5um.
- The main tank can be dumped or discharged through the tank bottom valve.
- Equipped with a vacuum system that can form a high vacuum above -0.093MPa in the emulsification tank.
- The parts in direct contact with the material are made of high-quality 316 stainless steel . * *
- The heating temperature is controlled by PID, and fast heating and high temperature control accuracy.
- A heat insulation layer is provided outside the heating interlayer to prevent the operator from being burned.
- Equipped with LED tank lighting and observation hand holes with scraped walls.
- The machine structure is easy to clean and maintain.
- A lot of anti-daze and other protection mechanisms are set inside the equipment to avoid personnel injury and accidental damage to the equipment as much as possible.
- Other functions can be customized.







Pilot type full function emulsifier

中试型全功能乳化机



型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)	
				主罐 main tank	主罐 main tank
ZJR-30	30	25	10	1400x600x1900(2400)	1400x600x1900(2400)
ZJR-50	50	40	15	1400x600x1950(2500)	1400x600x1950(2500)
ZJR-100	100	80	30	1750x650x2150(2850)	1750x650x2150(2850)
ZJR-150	150	120	45	1900x780x2380(3000)	1900x780x2380(3000)

Production type full function emulsifier

ZJR生产型全功能乳化机



型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)
ZJR-250	250	200	75	2600 x 1900 x 2500(3500)
ZJR-350	350	280	100	3000 x 2750 x 2750(3850)
ZJR-650	650	500	200	3650 x 3400 x 3300(4560)
ZJR-850	850	700	250	3750 x 3550 x 3350(4800)
ZJR-1300	1300	1000	400	4900 x 3300 x 3000(4600)
ZJR-2500	2500	2000	750	4800 x 4400 x 3300(4800)

* 需定制高粘度均质器及搅拌桨。 Need to customize high viscosity homogenizer and stirring paddle

** 可选配304材质。 SS304 is for option

ZJR-Lab Laboratory Emulsifying Machine

ZJR 系列全功能“实验型”真空乳化机



专利产品
Patented product
专利号
Patent No. ZL 2016 2 0741990.9

优势 Key Benefits

- 更多的设计余量，可适应各类物料的作料需求。
- 容积完全相等的两只预处理罐，可适应各种配料比例。
- 全系列采用 PLC 控制，智能控制，方便操作与维护。
- 超高转速的精密高剪切均质系统，可稳定运行于 6000RPM。
- 带轮子的一体化机架设计，方便设备的使用和储藏要求。
- 全 304 不锈钢包壳，方便清理。
- 标配真空保护系统，保护真空泵的同时避免原料比例的破坏。

- More design margins can meet the needs of various materials.
- Two pretreatment tanks with completely equal volumes can be adapted to various proportions of ingredients.
- The entire series adopts PLC control and intelligent control for easy operation and maintenance.
- Ultra-high speed precision high-shear homogenizing system, stable operation at 6000RPM.
- The integrated rack design with wheels is convenient for equipment use and storage .
- All 304 stainless steel cladding, easy to clean.
- Equipped with a vacuum protection system as standard to protect the vacuum pump while avoiding damage to the proportion of raw materials.

型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)
ZJR-5	6	4	2.5	1400 x 600 x 1700(2000)
ZJR-10	11	8	5	1500 x 600 x 1700(2000)

SP Series External Circulation Emulsifying Machine

SP系列外循环乳化机

基础配置 Basic Configuration

- 分为 SPA 与 SPC 两大类，SPC 为带升降的单机设备，SPA 更适合于工程安装。
- 设备配有底装的内循环或外循环高剪切均质器。
- 乳化罐内标配有带刮壁的双向搅拌桨。
- 与 ZJR 系列一致的乳化效果。

- Divided into SPA and SPC two series, SPC is a stand-alone device with lifting system, SPA is more suitable for construction installation.
- The equipment is equipped with a bottom-mounted internal or external circulation high-shear homogenizer.
- The emulsifying tank is equipped with a two-way stirring paddle with a scraped wall as standard.
- Emulsifying effect consistent with ZJR series.





优势 Key Benefits

- 可选配 316 不锈钢材质。
- 可选配各类操作方式。
- 罐内构造便于清洁和养护，可选装 CIP 清洗系统。
- 设备结构简单、可靠，性价比高。
- 各类功能均可定制。

- Optional 316 stainless steel is available.
- Optional various operation modes.
- The internal structure of the tank is easy to clean and maintain. An optional CIP cleaning system is available.
- The equipment structure is simple, reliable and cost-effective.
- Various functions can be customized.

型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)
SPA-650	650	110	520	1250 x 1250 x 2960
SPA-1300	1300	200	1000	1500 x 1500 x 3610
SPA-2000	2000	350	1500	1720 x 1720 x 3940
SPA-3000	3000	500	2500	1970 x 1970 x 4570
SPA-4000	4000	650	3000	2150 x 2150 x 4700
SPA-5000	5000	800	4000	2270 x 2270 x 5000
SPA-6000	6000	1000	5000	2270 x 2270 x 5220

MixCore Vacuum Homogenizing & Mixing Plant

高效再循环乳化机

Mixcore 是用于生产膏霜、乳液、软膏、凝胶、牙膏和食品酱料的理想设备。Mixcore 乳化系统的核心是安装于罐体下方的定转子均质器。这种结构可以确保罐体内的所有原料在排出之前至少可以通过均质器两次，因为原料是通过运行中的均质器吸入的，并且出料也是通过均质器的输送能力泵出。均质器的输送能力也能为 CIP 清洗提供动力。

为了适应每个客户不同的需求，Mixcore 又分为 H 和 V 两个不同的版本。H 为横置安装的均质器，这种设计在提高粉体料吸入效率的同时，降低机器高度；V 为竖直安装的均质器，这种设计洁净程度更高，适合有高卫生要求的应用场合。

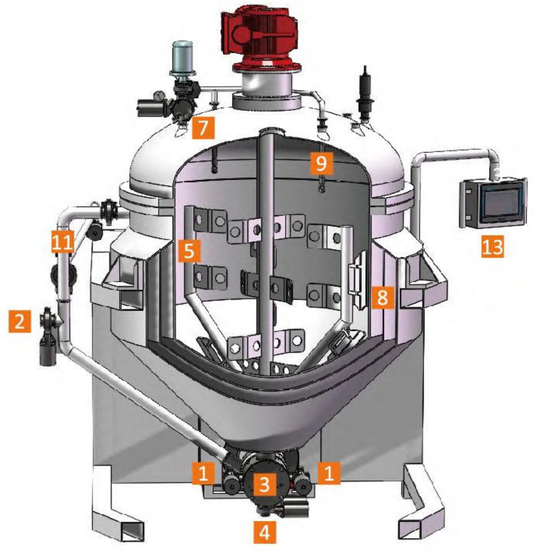
The Mixcore is the ideal equipment for the production of creams, lotions, ointments, gels, toothpaste and food sauces. The core of the system is a rotor-stator homogenizer, which is mounted underneath the process vessel and connected to its top part by a recirculation line. This configuration ensures that all ingredients pass through the homogenizer at least twice before being discharged, because ingredient materials are introduced through the running homogenizer. The homogenizer also incorporates the internal pumping function for circulating and discharging the products and cleaning the machine.

In order to meet the needs of each customer, Mixcore is offered in two different versions. The Mixcore H features a horizontal homogenizer arrangement. The horizontal design facilitates high powder feed rates and a lower machine height. The Mixcore V has a vertically mounted homogenizer, this design is more clean, suitable for high hygiene requirements Application occasions.



型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)
MC-H-15	15	12	3	1400 x 900 x 1600 (1650)
MC-H-50	50	40	10	1400 x 1500 x 1800 (2100)
MC-H-150	150	120	30	1600 x 1500 x 2100 (2250)
MC-H-350	350	280	70	2000 x 1750 x 2300 (2500)
MC-H-650	620	500	130	2300 x 1900 x 2700 (2900)
MC-H-1300	1300	1000	260	3000 x 2100 x 3100
MC-H-2500	2500	2000	500	3100 x 2300 x 3700

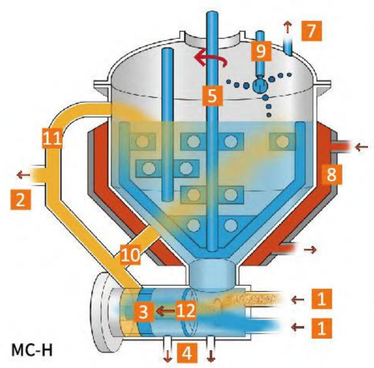
型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)
MC-V-30	30	25	6	1250 x 1050 x 1700 (2050)
MC-V-100	100	80	20	1400 x 1200 x 2200 (2700)
MC-V-250	250	200	50	1900 x 1500 x 2700 (3400)
MC-V-650	650	500	130	2400 x 1800 x 3000 (3900)
MC-V-1300	1300	1000	260	2500 x 2000 x 3600 (4800)
MC-V-2500	2500	2000	500	3000 x 2000 x 4000 (5000)



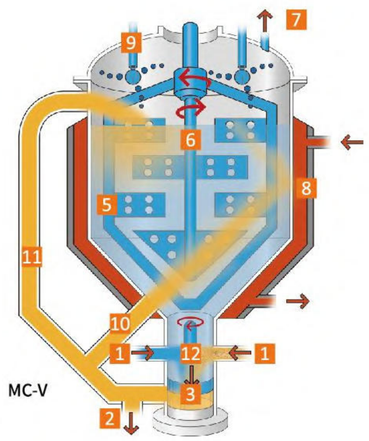
优势 Key Benefits

- 独特的高效混合和再循环均质系统。
- 采用卫生级双端面机械密封。
- 粉体物料可无尘吸入并快速分散。
- 较 ZJR 系列乳化机再循环系统可减少 60% 的生产时间。
- 均质系统自带泵效，可减短出料时间。
- 系统自带 CIP 功能。
- 可定制无菌乳化系统。
- 最高处理粘度可达 100,000MPas
- 更合理的操作界面及人机工程学设计。
- 最小生产量可至全容积的 20%。

- Unique and efficient mixing and recycling homogenization system
- Adopt sanitary double face mechanical seal
- Powder material can be inhaled without dust and quickly dispersed
- Compared with ZJR series emulsifier, it can reduce 60% of the production time
- The homogenization system has its own pump effect, which can shorten the discharging time
- With CIP function
- Sterile emulsification system can be customized
- Highest viscosity up to 100000mpas
- More reasonable operation interface and ergonomic design
- The minimum production can reach 20% of the total volume



MC-H



MC-V

1 Raw materials infeed 原料进口
2 Product discharge 排料口
3 Homogenizer 高剪切均质
4 Residue discharge/CIP recirculation 清洗排污口
5 Scraper agitator 刮壁搅拌桨
6 Center rotating agitator 中心搅拌桨
7 Vacuum system 真空系统
8 Heating/cooling 加热 / 冷却夹层
9 CIP 在线清洗
10 Internal loop 内循环管路
11 External loop 外循环管路
12 Premix 预混合
13 HMI 人机界面

Customized Emulsifying Machine
定制型乳化机

无菌型真空均质乳化系统
Sterile vacuum homogenization emulsification system
专利号 Patent No. ZL 2016 2 0741990.9



双联型真空乳化机
Double vacuum emulsifying machine



全自动真空乳化机
Automatic vacuum emulsifying machine



简易型可开盖真空乳化机
Simple type open cover vacuum emulsifying machine



平台式乳化罐
Platform type emulsifying tank



ZGJ Toothpaste Making Machine

ZGJ 制膏机系列

制膏机是牙膏生产的关键工序，该设备的工作原理就是按一定的生产工艺将各种原料依次投入制膏机内，通过强力搅拌、分散、研磨使各种原料充分分散和混合均匀，最后经真空脱气成为膏体。ZGJ 系列制膏机是我司在已有技术的基础上，优化了刮壁搅拌桨，高速分散系统、高剪切均质系统与真空系统，以提升整体设备的性能，保证生产能按设定的制膏工艺和配方制得质量合格和质量稳定的膏体。

The paste making machine is the key machine of the process of toothpaste production. The working principle of this equipment is to sequentially put various raw materials into the machine according to a certain production process, and making the all materials fully dispersed and mixed uniformly through strong stirring, dispersion, and grinding. Finally, after vacuum degassing, it becomes the paste . Based on our company's existing technology, we have optimized the scraper blades, high-speed dispersion system, high-shear homogenization system and vacuum system to improve the performance of the overall equipment and ensure that production can be set according to the settings, paste manufacturing process and formula to obtain qualified and stable paste.



平台安装型制膏机
Platform mounted
paste making machine



基础配置 Basic Configuration

- 制膏工艺在密闭的罐内在真空状态下操作。
- 罐体由优质不锈钢制造，配有夹套用于加热或冷却。
- 配有桨式搅拌和刮板，使物料不产生堆积和死角，同时活动的刮板能自动贴近内壁，将物料刮下，使温度传递均匀。
- 配有高速分散器或高剪切均质器，通过高速转动将粉料和液料混合，并在制膏锅内产生翻动，使物料均匀细腻。
- 配有双极真空泵，罐内极限真空度可达 -0.098MPa。
- 采用一步法工艺，在制膏机内完成所有的制膏操作，显著减少物料损失。
- 可配套原料输送系统、自动计量与控制系统，通过计算机操作，实现了制膏自动化。

- The paste is made in a airtight tank and operated under vacuum.
- The tank is made of high-quality stainless steel with a jacket for heating or cooling.
- Equipped with paddle-type stirring and scraper, so that the materials do not have accumulation and dead corners. At the same time, the movable scraper can automatically press close to the inner wall and scrape the material to make the temperature uniform.
- Equipped with a high-speed disperser or a high-shear homogenizer, which mixes powder and liquid materials through high-speed rotation, and generates a turn in the paste-making pot to make the material homogeneous and delicate .
- Equipped with a bipolar vacuum pump, the ultimate vacuum degree in the tank can reach -0.098MPa.
- Using a one-step process, all paste operations are completed in the paste machine, which significantly reduces material loss.
- It can be equipped with raw material conveying system, automatic metering and control system, and realizes automation of paste production through computer operation.



优势 Key Benefits

- 制膏机将制胶过程和研磨、搅拌、抽真空三个制膏过程在一个制膏锅内完成，显著减少物料损失，降低膏体污染，提高了生产的效率和清洁性。
- 一步法生产可避免由于原来敞开制膏设备所造成的脱气不完全、香精容易散发的问题。
- 控制系统操作简单，性能稳定。
- 特别适合密度较小、触变性较好的二氧化硅型牙膏。

- The paste making machine completes the glue making process and the three paste making processes of grinding, stirring and vacuuming in one pot, which significantly reduces material loss, reduces paste pollution, and improves production efficiency and cleanliness .
- The one-step production can avoid the problems of incomplete degassing and the easy distribution of essence due to the original open paste manufacturing equipment.
- The control system is simple to operate and stable in performance.
- It is especially suitable for silica-based toothpaste with lower density and better thixotropy .



选配：高剪切均质器
Option: High shear homogenizer

型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume（L）	最小工作容积 Min. Useful volume（L）	外形尺寸 Dimensions (L x W x H mm)
ZGJ-15	15	12	5	2600 x 1900 x 2500(3500)
ZGJ-50	50	40	15	3000 x 2750 x 2750(3850)
ZGJ-100	100	80	30	3650 x 3400 x 3300(4560)
ZGJ-350	350	280	100	3750 x 3550 x 3350(4800)
ZGJ-650	650	500	200	4900 x 3300 x 3000(4600)
ZGJ-1300	1300	1000	400	4800 x 4400 x 3300(4800)

SXJ Planetary Dispersion Mixer

SXJ 行星分散搅拌机

SXJ 行星分散搅拌机是我司研发的一种新型高效无死点混合设备，它具有独特、新颖的搅拌形式，釜内有两个门式或麻花式搅拌器，一个高速分散器和一个自适应刮刀，搅拌器在绕釜体轴线公转的同时，又以不同的转速绕自身轴线高速自转，使物料在釜体内作复杂的运动，受到强烈的剪切和捏合。此外设备内的自适应壁刀绕釜体轴线转动，可将粘在壁上的物料刮下参于混合，提高换热效率，并提升混合效果。釜体采用特殊密封结构，可进行抽真空搅拌，具有良好的排气除泡效果。罐体夹套可根据用户需要进行加热、冷却。出料方式为压料式，设备釜盖可液压升降，釜体可自由移动，操作十分方便。而且搅拌浆及刮刀可随横梁上升而完全脱离釜体，便于清洗。

SXJ planetary dispersion mixer is a new type of high-efficiency non-dead-point mixing equipment developed by our company. It has a unique and novel stirring form. There are two door type or twist type mixers in the kettle, a high-speed disperser and an adaptive scraper. When the agitator revolves around the axis of the kettle body, it rotates at high speeds around itself axis at different speeds, so that the material makes complex movements in the kettle body, subject to strong shearing and kneading. In addition, the self-adaptive wall knife in the equipment rotates around the axis of the kettle body, which can scrape the materials stuck on the wall to participate in mixing, improve the heat exchange efficiency, and improve the mixing effect. The kettle body adopts a special sealed structure, which can be evacuated and stirred, and has a good exhaust and defoaming effect. Tank jacket can be heated and cooled according to user needs. The discharging method is press type. The kettle lid of the equipment can be lifted hydraulically, and the kettle body can move freely, which is very convenient to operate. Moreover, the stirring slurry and scraper can be completely separated from the kettle body with the beam rising which is convenient for cleaning.



适用范围 Application

聚合物锂离子电池液及液态锂离子电池液、电子电极浆料、粘合剂、模具胶、硅酮密封剂、聚氨酯密封剂、厌氧胶、油墨、颜料、化妆品、药膏、电子、化工、食品、制药等。

Polymer lithium-ion battery liquid and liquid lithium-ion battery liquid, electronic electrode slurry, adhesives, mold glue, silicone sealant, polyurethane sealant, anaerobic adhesive, ink, pigment, cosmetics, salve, electronics, chemical industry, Food, pharmaceutical, etc.

优势 Key Benefits

- 主机采用行星齿轮设计，低噪音，机械效率高，可节省动力使用及减少设备占用空间。
- 该设备适用于多组份固 - 固相、固 - 液相、液 - 液相物料的混合、反应、分散、溶解、调质等工艺，如油墨、颜料、粘胶剂、密封胶、封装胶软膏、糊状物料、润滑脂、油漆、膏状化妆品、添加物等多种高粘稠物的制备。
- 设备使用粘度范围 10,000~2,000,000MPas 左右。
- 双行星混合机具有低转速大扭矩特点，高粘度和触变性物料可以得到充分彻底的混合分散而不至产生过热现象。
- 搅拌器的形式可根据物料要求安装多层浆叶式、框式、蝴蝶式、外轮式等。
- 可选配防爆或防腐配置。

- The host adopts planetary gear design, low noise and high mechanical efficiency, which can save power usage and reduce equipment occupation space.
- This equipment is suitable for multi-component solid-solid phase, solid-liquid phase, liquid-liquid phase material mixing, reaction, dispersion, dissolution, and quenching and tempering processes, such as inks, pigments, adhesives, sealants, sealants preparation of ointments, paste materials, greases, paints, cream cosmetics, additives and other highly viscous materials.
- The viscosity range of the equipment is about 10,000 ~ 2,000,000MPas.
- The double planetary mixer has the characteristics of low speed and large torque. High viscosity and thixotropic materials can be fully and thoroughly mixed and dispersed without overheating.
- The type of agitator is installed with multi-layer paddle type, frame type, butterfly type, outer wheel type, etc. according to the requirements of the material.
- Optional explosion-proof or anti-corrosion configuration.



实验室型行星搅拌机
Laboratory planetary mixer



配套液压出料机
Supporting hydraulic discharge machine

型号 Model	设计容积 Design volume(L)	最大工作容积 Max. useful volume (L)	最小工作容积 Min. Useful volume (L)	外形尺寸 Dimensions (L x W x H mm)
SXJ-10	10	8	1.5	990 x 910 x 2360
SXJ-50	57	40	5.5	1200 x 760 x 2100(2750)
SXJ-100	108	80	7.5	1550 x 800 x 2650(3350)
SXJ-200	200	160	11	1700 x 950 x 2760(3660)
SXJ-300	350	300	15	2000 x 1100 x 3160(4100)
SXJ-500	505	400	22	2150 x 1250 x 3380(4400)
SXJ-1000	1045	800	37	2450 x 1580 x 3860(5100)

Customized Mixer
定制型搅拌机



无菌搅拌罐
Sterile mixing vessel



移动储罐
Removable storage tank



真空储罐
Vacuum storage tank



香水搅拌机
Perfume mixing vessel



真空搅拌罐
vacuum mixing vessel

LR High Shear Homogenizer
LR 高剪切均质器

LR系列高剪切均质机是我司依据乳状液稳定性理论研发而成。该设备通过高速旋转的高剪切定转子系统所提供的机械能，使一相混入到另一相之中，通过粗液滴的变形和破裂，使粗液滴迅速被破碎成120nm至5um的微液滴*，最终完成均匀的乳化过程。

The LR series high-shear homogenizer was developed by our company based on the emulsion stability theory. This equipment uses the mechanical energy provided by the high-speed rotating high-shear stator and rotor system to mix one phase into the other. Through the deformation and rupture of the coarse droplets, the coarse droplets are quickly broken into micron 120nm to 2um. The liquid droplets finally complete a uniform emulsification process.





优势 Key Benefits

- 采用吊架的形式，可方便推至任意地点使用。
- 操作灵活，投资小，效率高。
- 全系列标配电动升降，减轻工作强度。
- 可以单独使用，也可与其他设备配套使用。
- 与物料接触部位采用优质304/316不锈钢材料。
- 可更换不同类型定转子，满足不同的作料需求。

- The form of hanger can be easily pushed to any place for use.
- Flexible operation, small investment and high efficiency.
- All series are equipped with electric lift as standard to reduce work intensity.
- Can be used alone or in conjunction with other equipment.
- The contact part with the material is made of high-quality 304/316 stainless steel.
- Different types of stators and rotors can be replaced to meet different material requirements.

型号 Model	推荐处理量 Capacity (L)	功率 Power (kw)	转速 Speed (rpm)
LR-05	5-10	0.75	8000
LR-50	≤50	1.5	3000
LR-150	≤150	3	3000
LR-300	≤300	5.5	3000
LR-500	≤500	7.5	3000
LR-1000	≤1000	11	3000

* 依据物料的特性不同，粒径会有所变化。



LR-05 实验室型高剪切均质机
LR-05 Lab high shear homogenizer

Colloid Mill
胶体磨

胶体磨由3级可调间隙的锥形定子和4级高速旋转的锥形转子形成研磨模块，根据生产要求，剪切研磨间隙可从0.01mm至2mm无级调节，定转子每一级上的凹槽一级比上一级精细。当物料经过的时候，形成强有力的挤压、剪切、乳化、粉碎、混合、分散均质及研磨作用。从而得到超微粒乳化研磨的物料。锥形定子外围、出料腔及密封件部位有循环水冷却。

The colloid mill is composed of a 3-stage tapered stator with adjustable clearance and a 4-stage tapered rotor with high speed rotation.The shear grinding clearance can be adjusted from 0.01mm to 2mm steplessly according to the producing request.The flute of the rotor is more and more delicate by steps.
When the material goes through，it forms strong pressing，cutting，emulsifying，crushing，mixing，dispersing and grinding.Then get the delicate ultranmicrosome.There is circulating water to cool surrounding of cone stator，discharging cavity and seals.

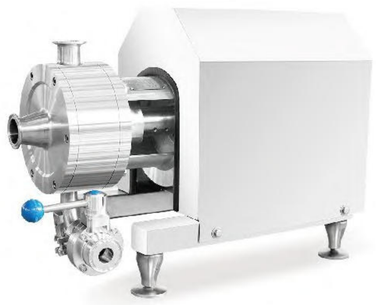




Pipelined Emulsification Pump
管线式乳化泵

管线式乳化泵是用于连续生产或循环处理精细物料的高性能设备，在狭窄空间的腔体内装有多层定转子、转子在电机的驱动下高速旋转，产生强劲的轴向吸力将物料吸入腔体。物料通过转子、定子进行逐级分散、精细、乳化，在最短的时间内对物料进行分散、剪切、乳化处理。是一种集混合、分散、破碎、均质、乳化、输送为一体的高效均质器，适用于中、大批量在线连续生产或循环处理生产工艺。

The pipeline emulsification pump is a high-performance device for continuous production or cyclic processing of fine materials. A multi-layer stator and rotor are installed in the cavity of the narrow space. The rotor rotates at high speed under the drive of the motor to generate a strong axial suction to suck the material into cavity. The materials are dispersed, refined and emulsified by the rotor and stator step by step. The materials are dispersed, sheared and emulsified in the shortest time, and the particle size distribution range is significantly narrowed. It is a high-efficiency homogenizer that integrates mixing, dispersing, crushing, homogenizing, emulsifying, and conveying. It is suitable for medium and large batch online continuous production or cyclic processing production process.





粗齿型
Rough tooth type

中齿型
Middle tooth type

细齿型
Thin tooth type



定制设备
Customized Equipment

CIP Cleaning System

CIP清洗系统

cip清洗站
CIP cleaning Station



移动式cip清洗车
Movable cip cleaning vehicle



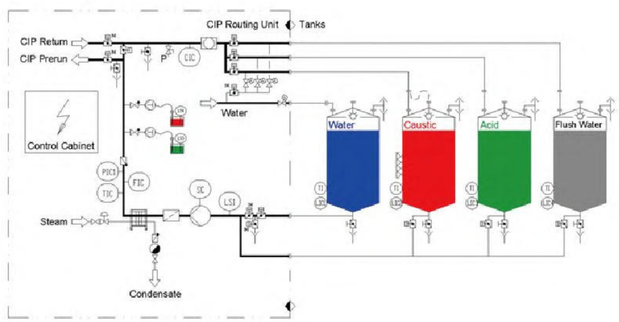
与传统的清洗方式相比，CIP清洗方式的优点主要有：

- 清洗效果可重复得到验证。
- 节约操作时间、提高效率。
- 节省劳动力，安全可靠。
- 节省制药用水。
- 模块化生产，可实现FAT。
- 环保节能，便于安装和操作。

Compared with traditional cleaning methods, the advantages of CIP cleaning methods are:

- The cleaning effect can be repeatedly verified.
- Save operation time and improve efficiency.
- Save labor and safety.
- Save pharmaceutical water.
- Modular production, and can realize FAT.
- Environmental protection and energy saving, easy to install and operate.

工作原理图
Working Principle



Feed Conveyance Technology

料体输送技术



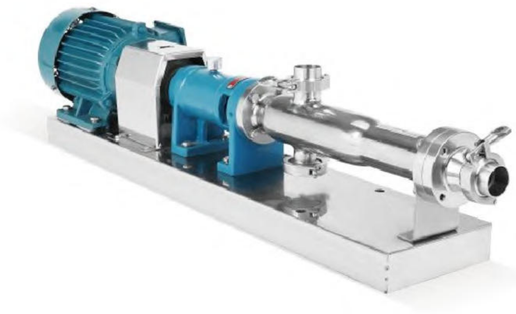
卫生级转子泵
Sanitary rotor pump

规格 Specifications:0.55KW-22KW
材质 Material: SUS304,SUS316L
转速 Rpm:200-900(rpm)



卫生级离心泵
Sanitary centrifugal pump

规格Specifications: 1T-500T, 055KW-75KW
材质 Material:
SUS304, SUS316L
转速 RPM:2900r/min 45°
出口带排放阀45°Outlet with drain valve



卫生级单螺杆泵
Sanitary single screw pump

规格 Specification:
0.5T-13T,0.37KW-5.5KW
材质 Material:
SUS304,SUS316L
转速 RPM:960-1400(rpm)

INDUSTRIAL REVERSE OSMOSIS (RO) SYSTEMS

制水设备



制水工艺 Water production process

1. 原水→原水加压泵→多介质过滤器→活性炭过滤器→软水器→精密过滤器→一级反渗透设备→中间水箱→中间水泵→离子交换器→纯化水箱→纯水泵→紫外线杀菌器→微孔过滤器→用水点
2. 原水→原水加压泵→多介质过滤器→活性炭过滤器→软水器→精密过滤器→一级反渗透 →PH 调节→中间水箱→二级反渗透（反渗透膜表面带正电荷）→纯化水箱→纯水泵→紫外线杀菌器→ 微孔过滤器→用水点
3. 原水→原水加压泵→多介质过滤器→活性炭过滤器→软水器→精密过滤器→一级反渗透机→中间水箱→中间水泵→EDI 系统→纯化水箱→纯水泵→紫外线杀菌器→微孔过滤器→用水点

1. Raw water → raw water pressure pump → multi-media filter → activated carbon filter → water softener → precision filter → first-stage reverse osmosis equipment → intermediate water tank → intermediate water pump → ion exchanger → purified water tank → pure water pump → UV sterilizer → micro Hole filter → water point
2. Raw water → Raw water pressure pump → Multi-media filter → Activated carbon filter → Water softener → Precision filter → Primary reverse osmosis → PH adjustment → Intermediate water tank → Secondary reverse osmosis (the surface of the reverse osmosis membrane is positively charged) → Purified water tank → Pure water pump → UV sterilizer → Microporous filter → Water point
3. Raw water → Raw water pressure pump → Multi-media filter → Activated carbon filter → Water softener → Precision filter → Primary reverse osmosis machine → Intermediate water tank → Intermediate water pump → EDI system → Purified water tank → Pure water pump → Ultraviolet sterilizer → Micropore Filter → Water point

该设备可符合 GMP 认证要求，针对不同用户对高纯水的不同要求，采用反渗透，EDI 等新工艺，比较有针对性地设计出成套工艺，以满足制药、日化和食品工厂的纯化水制取要求。材料全部采用国际国内名牌产品制水过程高度自动化，水质长期稳定。

This equipment can meet the requirements of GMP certification. According to the different requirements of different users for high-purity water, new processes such as reverse osmosis and EDI are used to design a complete set of processes to meet the requirements of purified water production in pharmaceutical, daily chemical and food factories Claim. All materials are made of international and domestic famous brand products. The water production process is highly automated and the water quality is stable for a long time.

一些实施案例 Some Implementation Cases





Some Projects
部分工程

制药中试生产线
Pharmaceutical pilot production line



树脂生产线
Resin production line



高压反应生产线
High pressure reaction line



液洗生产线
Liquid washing production line



膏霜生产线
Cream production line



食品酱料生产线
Food sauce production line



预配系统
Pre-dosing system



无菌配液系统
Aseptic dosing system



制药凝胶生产线
Pharmaceutical gel production line



称重配料系统
Weighing batching system





灌装设备
Filling Machine

Manual Filling Series
手动灌装机系列



GS-1/2 电动/气动灌装机
GS-1/2 Electric/Pneumatic Filling Machine

- 本机为膏液两用灌装机。主要用于水、油、乳液、膏体状物料的定量灌装。
- 全不锈钢机身，防腐耐磨，经久耐用，干净卫生。
- 可拆卸卡扣设计，灌装食品或多种颜色味道等产品，易拆卸清洗方便，省时省力。
- 灌装量分六个系列：A 型：5-15ml、B 型：10-75ml、C 型：20-150ml、D 型：50-300ml、E 型：100-500ml、F 型：200-1000ml。
- 进料方式：普通重力式 / 自动吸料式 / 加压式任选一种。
- 压缩空气：压力 0.4-0.6Mpa 耗气量：0.3m³/min
- 生产能力：10-80 次 / 分
- 灌装精度误差：≤ 2%
- 工作台调节高度：100mm
- 料罐容积：20L、30L、40L、50L

- This machine is a dual-purpose filling machine. Mainly used for quantitative filling of water, oil, emulsion and paste-like materials.
- All stainless steel body, anti-corrosion and wear-resistant, durable and clean.
- Detachable buckle design, filling food or a variety of colors and flavors, easy to remove and clean, saving time and effort.
- Filling volume is divided into six series: Type A: 5-15ml, Type B: 10-75ml, Type C: 20-150ml, Type D: 50-300ml, Type E: 100-500ml, Type F: 200-1000ml.
- Feeding method: ordinary gravity type / automatic suction type / pressurized type.
- Compressed air: pressure 0.4-0.6Mpa Air consumption: 0.3m³/min
- Production capacity: 10-80 times / minute
- Filling accuracy error: ≤ 2%
- Working height adjustment: 100mm
- Tank volume: 20L, 30L, 40L, 50L



GS-3 气动灌装机
GS-3 Pneumatic Filling Machine

- 灌装量分六个系列：A 型：10-100ml、B 型：30-300ml、C 型：50-500ml、D 型：100-1000ml、E 型：250-2500ml、F 型：500-5000ml。
- 其余参数与 GS-2 一致。

- The filling volume is divided into six series: Type A: 10-100ml, Type B: 30-300ml, Type C: 50-500ml, Type D: 100-1000ml, Type E: 250-2500ml, Type F: 500-5000ml.
- The remaining parameters are consistent with GS-2.



酱料搅拌灌装机
Sauce mixing and filling machine



针筒灌装机
Syringe filling machine

CZ-G Lipstick Filling Machine
（Vacuum Bubble-free Filling Machine）
唇膏灌装机（真空脱泡灌装机）



- 工作过程：将口红料放入锅内，加热至一定温度后，边搅拌均匀、边真空脱泡，然后灌装入口红模。高速分散式搅拌桨在真空条件下搅拌，搅拌桨转速无极可调。
- 温度调节：锅体及灌装管外层均装有夹层外套，供温水循环，并保持在适当温度。温度由用户任意设定，自动控制。
- 机器特点：采用夹层导热油或水加热，桨式搅拌器，真空脱泡装置。所有接触物料的部位，均采用优质 304 或 316L 不锈钢材料制造。

- Working process: Put the lipstick material in the pot, heat to a certain temperature, stir it evenly, vacuum to defoam and filling to the mould. The high-speed dispersing stirring blade is stirred under vacuum, and the rotation speed of the stirring blade is infinitely adjustable.
- Temperature adjustment: The tank and the outer layer of the tube are equipped with a jacket for warm water circulating and maintain at an appropriate temperature. The temperature can be set by the user and is automatically controlled.
- Features of the machine: jacket layer heating with oil or water, paddle stirrer, vacuum defoaming device. All parts in contact with materials are made of high-quality 304 or 316L stainless steel.

配套设备
Ancillary equipment



唇膏模具加热台
CZ-R Lipstick mold heating table



唇膏冷冻台
CZ-D Lipstick Freezing Table

GFJX-3A Metallic Tube Filling & Sealing Machine

金属软管灌装封尾机

GFJX-3A 型金属软管灌装封尾机，主要用于金属软管为包装容器的物料的定量灌装、封尾。广泛应用于医药、日化、食品、化工等行业中。如：软膏、胶黏剂、AB 胶、氯丁胶、环氧胶、皮肤膏、染发剂、鞋油、牙膏等液体或膏状物料的灌装与封尾。

This machine is mainly used to fill the material into metal tube with certain quantity and sealing the tube. It is widely used for the packing of chemical, cosmetic, food, and pharmaceutics industries. For example: ointment, gooey. AB glue, super glue, epoxy adhesive.skin cream, hair dye, shoe polish, toothpaste and other liquids and paste materials.

主要技术参数
Main Technical Parameters

- 电源电压：220V±10%50Hz
- 工作温度：5~50°C
- 灌装量：10-75ml20-150ml
- 计量精度误差：<2%
- 电机功率：1.1kw
- 生产能力：30-50 支 / 分（可调）
- 压缩空气：压力 0.6-0.7Mpa
- 外形尺寸：1000mm*600mm*1700mm

- Power: AC 220V±10% 50HZ
- Work Temp: 5~ ～ 50°C
- Filling Quantity: 10-75ml 20-150ml
- Quantity Error: <2%
- Motor Power: 1.1kw
- Capacity: 30~50 tubes/min(adjustable)
- Compressed Air: pressure0.6 ～ 0.7Mpa
- Dimension:1000mm'600mm*1700mm



工作流程 Working process

人工将金属软管插入分度盘管座内（16 个工位），利用机械传动自动转位。自动检测，确认有管并插放正确，灌装系统便开始自动计量灌装、然后进行三折或双向四折封尾、打印批号，成品退出。

Manually put the metal tube(max:16 tubes) into the tube-holding base and it will rotate with the help of automatic mechanical transmission, automatic detection to confirm if the tube base have tube and then automatic filling.The final step is execute the sealing with three-fold or four-fold. print item number,fini shed product exit.



优势 Key Benefits

灌装速度和计量精度方便可调，调整精度高，稳定性能好。更换底座可适用于各种规格的金属软管灌装封尾，封尾外形美观整齐，封合牢固。本机凡接触物料的部位，均采用优质不锈钢材料制造。该机可配各种不同规格的灌装头，满足不同黏度的灌装要求。

The filling volume and measur ement accur acy is easy to adjust and convenient . The accuracy of adjust is higher and stability is good. Replacement of the base makes it suitable for all kinds of metal tube filling and sealing and sealing figure is beautiful and trim. The sealing is tight The materials of this machine are manufactured by high-quality stainless steel. The filling nozzles are in different in specifications and are provided for materials in different viscosity.

CZG-1 Weighing Filling Machine

称重灌装机

CZG-1 称重灌装机是一种对液体进行自动定量灌装的计量设备，其功能是将大量的散装液体物料自动分成预定重量的小份载荷，进行定量包装。

CZG-1 称重灌装机靠重力或动力将输送来的液体物料自动灌装入若干标准桶中，并通过阀门的开闭，定量控制每桶中的物料量。液体灌装机自动化程度高，可以尽量避免物料溢出，最大程度地防止物料本身对环境的污染，从而对操作人员进行有效的劳动防护。其系统工作稳定可靠，操作简便，称量准确，整理数据可通过仪表输出给计算机等其他外接设备。

CZG-1 weighing filling machine is a kind of measuring equipment for automatic quantitative filling of liquids. Its function is to automatically divide a large amount of bulk liquid materials into small loads of predetermined weight for quantitative packaging.

The CZG-1 weighing and filling machine automatically fills several standard barrels of liquid material by gravity or power, and quantitatively controls the amount of material in each barrel through the opening and closing of valves. The liquid filling machine has a high degree of automation, which can avoid material overflow as much as possible, and prevent the material itself from polluting the environment to the greatest extent, thereby providing effective labor protection for operators. The system works stably and reliably, with simple operation and accurate weighing. The collated data can be output to the computer and other external devices through the meter.



优势 Key Benefits

- 适用于对油类，化工，食品等流动性好的液态物料进行定量计量。
- 计量准确度高，性能稳定，工作可靠。
- 可用于贸易核准的各种容器，铁桶或塑料桶，在 1-15Kg 之间准确定量灌装，同时系统能在潮湿，危险或其它不良环境中使用。
- 本设备借助于高精度称重控制传感器模块来完善自动控制计量流程，再加上可编程序控制器，能有效达到客户所需的精准。
- 系统操作简单明了，方便操作。

- It is suitable for quantitative measurement of liquid materials with good fluidity such as oils, chemicals and food.
- High measurement accuracy, stable performance and reliable work.
- It can be used for various approved containers, iron drums or plastic drums for accurate quantitative filling between 1-15Kg, and the system can be used in humid, dangerous or other adverse environments.
- This equipment uses a high-precision weighing control sensor module to complete the automatic control and measurement process, plus a programmable controller, which can effectively achieve the accuracy required by customers.
- The system operation is simple and clear, and easy to operate.

FGF-5 Soft Tube Filling & Sealing Machine

半自动软管灌装封尾机

软管灌装封尾机采用全不锈钢制作，工作过程采用按钮控制：人工上管，8-10位自动回转、定量灌装、自动切断、加热封尾、切尾、成品退出。所有工作采用气缸全行程控制，灌装量调整方便，灌装速度可调。该机适用于各种规格的塑料和复合软管的灌装、封尾、日期打印、切尾。封尾外形美观整齐，封合牢固，计量精度高，稳定性好。根据物料不同可选配；料斗加温系统、防拉丝灌装头。

This machine is made of stainless steel. The working process is controlled by button. The process is manual-tube-feeding.8-10 tube-position automatic turning, quantitative filling, automatic cutting, heating & sealing, cut off tail, product out. All the process is controlled by the cylinder. It is easy to adjust the filling quality. The fling speed is adjustable. This machine is used for all kinds of plastic tube and composite tube filling, sealing, date printing and tail cutting. The appearance of sealing are neat and firm, high measurement accuracy and steady. According to the different material we can choose material heating system and nozzle with the function of avoiding draw bench.

主要技术参数 Specification

- 电源：-220V±10%50Hz
- 电耗：400w*2（封尾外加热）
- 气源：供气压力 0.6-0.8（Mpa）
- 耗气量：<30（dm3/min）
- 灌装量：50、100、200（m1）
- 生产能力：20-30（支 / 分）
- 计量精度：<2%
- 外形尺寸：1230mm*700mm*1400mm
- 机器重量：600（kg）

- Voltage:AC220V±10%50Hz
- Power：400w*2（sealing by outside heating）
- Compressed Air pressure：0.6-0.8Mpa
- Air Consumption：<30 dm3/min
- Filing volume：50ml，100ml，200ml
- Filling Speed：20-30tubes/min
- Quantity Error：<2%
- Dimension：1230mm"700mm"1400mm
- Weight：600kg







FGF-50 Soft Tube Filling & Sealing Machine

软管灌装封尾机

控制部分采用最先进的智能型人机界面控制，大屏幕触摸屏显示 / 操作控制面板，包括温度设定，马达转速，生产速度等，直接在屏幕上显示，并可直接在屏幕上控制调整。与物料接触部分采用全不锈钢SUS304、SUS316L材质，机器附安全透明外罩，并附有安全开关，安全门打开，机器自动停止等功能。随机配有自动送管、上管装置，软管整列后自动插入定位模内，软管方向定位，采用光电及伺服电机控制，确保封尾准确，16-1- 位自动回转，从软管供给、上管、灌装、封口至退出，全部自动化作业，同时有无管不填充设计。数字式高速灌装计量调整器装置在机器外前下方，极为方便。灌装时灌嘴伸入料管底部，边灌装边退出，确保物料不会由于空气介入产生空段而溢出，影响精度。对于粘性特强易拉丝物料，另配有吹断剪切装置，确保封口不受影响。封位形式多样，客户可根据需要自行选配。

The control parts of the machine are composed of intelligent Man-computer interface, large touch screen display/operation control panel, including temperature setting, motor speed, filling speed, direct screen display and control. The components of the machine which touched the filling material are made of stainless steel SUS304 and SUS3 16L. Transparent cover is supplied with the machine. The machine is featured with safety switch and auto-stop function. It is equipped with automatic pipe feeding and loading device, and the hose is automatically inserted into the positioning after sorted, soft tube locate, photoelectric sealing control etc. 16-1-position automatic rotation . During the process of hose-feeding and setting, filling and sealing, the ejecting are all auto manically controlled and no tube no tube no filling design. Digital count device is installed at the low front part of the machine. During filing process the filling head is put inside the material, blow-off device is installed to ensure a complete sealing. Many choices of sealing type are available to meet different need of clients.



优势 Key Benefits

- 全彩工业触摸屏，控制操作方便，机器工况一目了然。
- 可倾式管箱，装管方便，平稳可靠，更换产品时只需调整一个零件，避免产品更换麻烦。
- 机械式喂管，压管入杯，平稳可靠，更换产品时只需调整一个零件，避免产品更换麻烦。
- 随动式正压净管，负压吸尘，净管时间更长，管更清洁。
- 机械联动视觉检标，精准等级 0.2 毫米。
- 司服调控，可在触摸屏上方便调整。
- 插入式随动注料，注料从管底部开始，排除管内空气，减小产品氧化，提高产品质量。
- 管内有三层瞬间加热器，无损管外壁纹案胶膜，封尾美观。
- 快换式钳口可封直尾，圆尾，异形封尾；插入式文号更换方便。
- 快键，可单双面打印文号。
- 光滑的机器表面，无清洁死角，物料与高质不锈钢 316L 全接触，严格符合 GMP 标准。

- Color touch screen is convenient to control and all the operation condition is clear at a glance.
- Tilted feeding box provide a convenient facility for tube filling. There is to adjust an accessory only when the product is changed for another size.
- Mechanical tube feeding, tube is pressed into the holes of working dishes. Which is stable and reliable. There is to adjust an accessory only when the product is changed for another size.
- Simultaneous positive pressure clean and negative pressure dust absorption system with longer cleaning time obtain an even through cleaning result.
- The precision rate of mechanical linking view correction system is within 0.2mm.
- Unique serve control, the filling can be adjusted freely by the touch screen.
- Plug-in type trailing feeding start from the bottom of the tube to prevent air form mixing with cream and reduce the possibility of product oxidation. Thus the quality of product can be ensured.
- It can rapid heating by three-layer jacket and film outside the tube.
- Quick-replace type multi-function nip may perform vertical, circular and abnormal end sealing. The number of batch can printing both single and double side and convenient to change.
- Fast key, single and double-sided printing of document number.
- The smooth surface of machine has no dead angle and easy for cleaning. The materials completely contact with stainless steel and comply with GMP standard.

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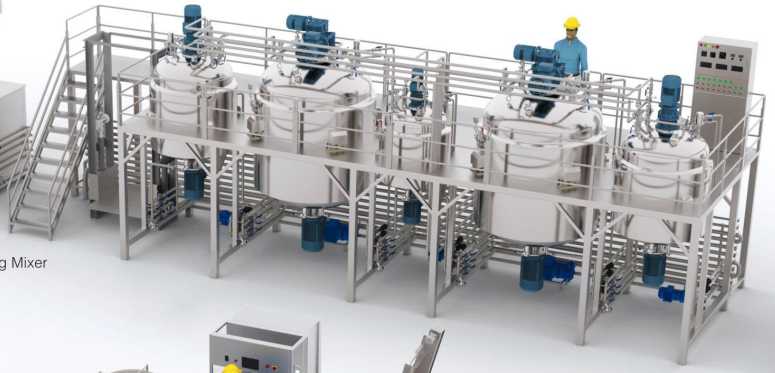
化妆品工厂 交钥匙工程定制



LH-RO 系列反渗透水处理系统
LH-RO Reverse Osmosis Water Treatment



VME系列固定式真空乳化机组(可定制)
VME Fix Type Vacuum Emulsifying Mixer Group Design(Customized)

VME系列液压升降式真空乳化机
VME Hydraulic Lifting Type Vacuum Emulsifying Mixer



PMC系列多功能液洗类产品搅拌锅(可定制)
PMC Series Liquid washing Products Mixer(Customized)



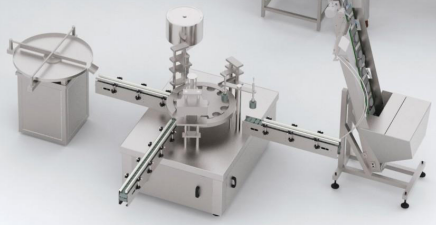
生产缓冲区域: 储罐系列/物料输送泵等
Production Buffer Area: Storage Tanks/Pumps



全自动灌装/旋盖/贴标/包装生产线(根据样品定制)
Automatic Filling/Capping/Labeling/Packing Machines
(Customized)

全自动软管/铝管灌装封尾机+装盒机系列(根据样品定制)
Automatic Tube Filling Sealing Machine+Carton Packing Machine
(Customized According To Sample)

半自动灌装/旋盖/贴标/包装生产线
Semi Automatic Filling/Capping/Labeling/Packing Machines



全自动广口瓶灌装旋盖机(根据样品定制)
Automatic Jars Filling & Capping Machine(Customized According To Sample)

记录保存
Record keeping 10

安装调试
Installation and debugging 9

装货和运输
Loading & shipping 8

熏蒸包装
Wooden packing 7

工厂验收
FAT(Factory acceptance test) 6

生产制造
Production manufacturing 5

合同签订
Sign contract 4

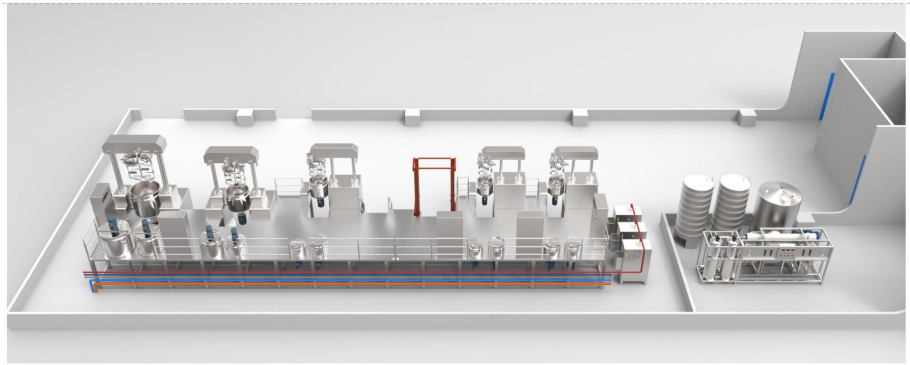
工艺确认
Technical confirmation 3

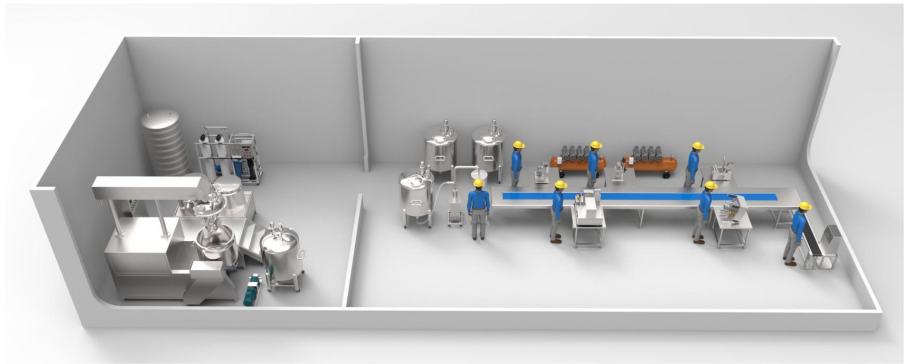
量身设计
Customized design 2

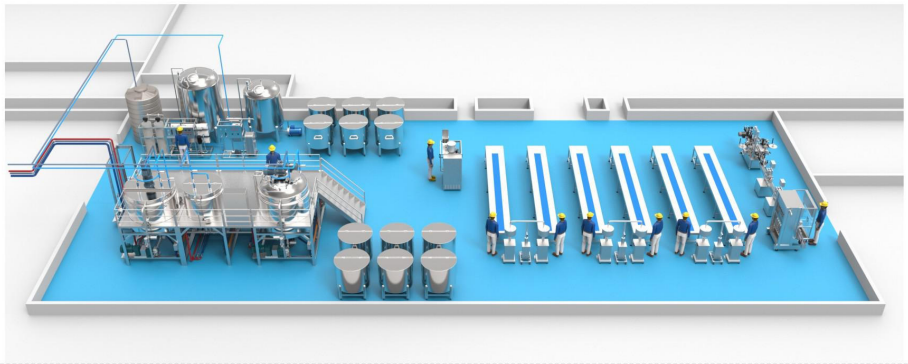
客户沟通(实地考察)
Customer communication (Site visit) 1

ENGINEERING CUSTOMIZATION PROCESS
工程定制流程

PROJECT CUSTOMIZED CASE
工程定制案例









PRODUCT LIST
产品目录

08 真空均质乳化机简介
Vacuum emulsifying mixer introduction

09 VME-A 液压升降型真空乳化机(双向搅拌下均质)
VME-A Vacuum emulsifying mixer (bottom homogenizer)

11 VME-C 液压升降型真空乳化机(双向搅拌+上下均质)
VME-C Vacuum emulsifying mixer (up & bottom side homogenizer)

12 固定式真空均质乳化机(定制)
Fixed type vacuum emulsifying mixer (customized)

13 VME-H牙膏制造机 (100-10000L)
VME-H Toothpaste making machine

14 PMC多功能液洗类搅拌锅
PMC Liquid washing homogenizing mixer (single-tank)

15 液洗均质搅拌组合
LIQUID Washing homogenizing mixer (group design)

16 移动式高剪切均质机
Movable high shear dispersing emulsifier

17 水处理系列
Water treatment series

18 全自动灌装包装系列
Automatic filling & packing series

21 全自动软管/复合管/铝管灌装封尾机
Automatic plastic / laminated / aluminium tube filling & sealing machine

21 面膜包装机
Mask packaging machine

22 灌装系列
Filling series

23 封口机系列
Sealing machine series

24 贴标机系列
Labeling machine series

25 储罐系列
Storage tank series
输送泵系列
Pump series

26 香水系列
Perfume series

28 彩妆设备
Make-up equipment

29 循环水冷却系统
Circulating water cooling system

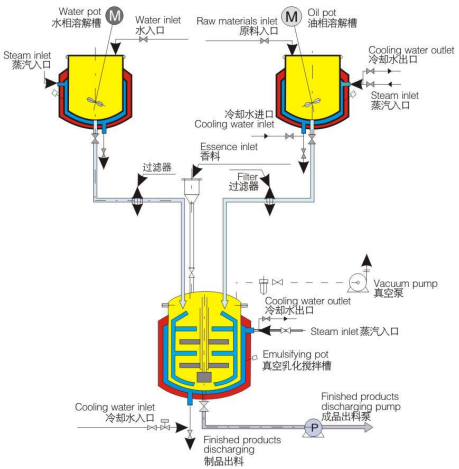
30 包材类辅助设备
Auxiliary equipment

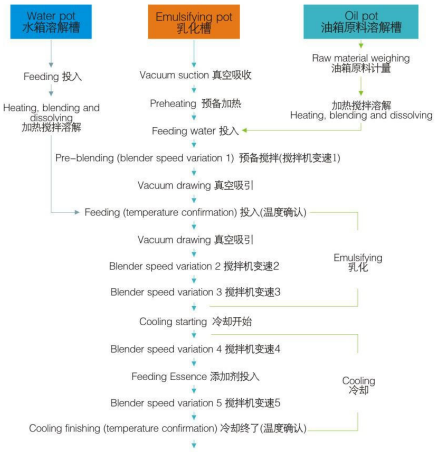
31 辅助设备
Auxiliary equipment

VACUUM EMULSIFYING MIXER INTRODUCTION

真空均质乳化机简介

真空乳化机工艺流程
FLOW CHART OF VACUUM EMULSIFYING MIXER





真空均质乳化机定义
DEFINITION OF VACUUM EMULSIFIER

主要是指物料在真空的状态下，利用高剪切乳化器快速均匀地将一个相或多个相分布致另一个连续相中，其利用机械带来的强劲动能，使物料在定转子狭窄的间隙中，每分钟承受几十万次的液力剪切。离心挤压撞击撕裂等综合作用，瞬间均匀地分散乳化，经过高频的循环往复，最终得到无气泡细腻及稳定的高品质产品。

It means that when the materials are under the vacuum condition, it makes use of the high shear emulsifier to distribute one or several phases to another continuous phase rapidly and evenly. The materials will be processed in the narrow space between stator and rotor by strong energy of motion produced by the mechanical effect. By the operation of hydraulic shearing, centrifugal extruding, impacting, breaking and turbulence for over 100 thousand times per minute, the materials will be dispersed and emulsified instantly and evenly. After reciprocating circulation at high frequency, the fine finished products of stable and high quality without bubbles will be achieved.

主要组成系统
MAIN COMPOSITION

真空乳化机主要由水相锅、油相锅、乳化搅拌主锅、真空系统、升降系统(可选)、电器控制系统(可选用PLC)、操作平台等组成。

The vacuum emulsifying mixer is mainly composed of water pot, oil pot, emulsifying pot, vacuum system, lifting system (optional), electric control system (PLC is optional), operation platform, etc.

VME-A VACUUM EMULSIFYING MIXER (BOTTOM HOMOGENIZER)

VME-A 液压升降型真空乳化机(双向搅拌下均质)



水冷式底部高剪切均质头
High Shear Homogenizer

VME-A 双向搅拌下均质真空乳化机(大小可定制)
VME-A Vacuum Emulsifying Mixer (Customized Size)

◆更多款式: 平面布局可根据客户厂房要求私人订制，提供单缸/双缸升降/立式，并可提供实验室小型乳化机；
◆更多功能: 支持手动操作，PLC人机界面操作，真空度最高可达-0.095MPA；
◆更多配套: 可选用CIP/SIP系统及防差错系统，可完全确保产品的安全性；
◆更多选项: 均质分上/下均质及外循环结构，搅拌可分单向/双向/螺带搅拌；
◆更多要求: 配置要求分为标准配置和进口配置，比如变频器，电机，电器等。

VME-B VACUUM EMULSIFYING MIXER (BOTTOM HOMOGENIZER)

VME-B 液压升降型真空乳化机(双向搅拌下均质)



VME-B 双向搅拌下均质真空乳化机(大小可定制)
VME-B Vacuum Emulsifying Mixer (Customized Size)

- More types: plane layout can be customized by personal requirement according to the factories of customers, can supply the single cylinder/double cylinder lifting/vertical, and also can supply the small type of emulsifying machine for the labs;
- More functions: support the manual operation, PLC human-computer interface operation, the highest vacuum degree can be reached to -0.095MPA;
- More supporting: Can be selected the CIP/SIP system and error prevention system, which can completely make sure the security of the products;
- More options: The homogeneity can be divided into upper and under homogeneity and external circulation structure, the stir can be divided into one-way and two-way screwing stir;
- More requirements: configuration requirements can be divided into the standard configuration and imported configuration, such as the frequency converter, motor, electric appliance and so on.



VME-B 小型真空乳化机定制
VME-B Lab Size Vacuum Emulsifying Mixer (Customized)

VME-C VACUUM EMULSIFYING MIXER (UP & BOTTOM SIDE HOMOGENIZER)

VME-C 液压升降型真空乳化机(双向搅拌+上下均质)







VME-C液压升降真空乳化机(上下均质，内外循环式均质系统)
VME-C Vacuum Emulsifying Mixer (External circulation Homogenizer)



VME-C液压升降上均质乳化机①
VME-C Vacuum Emulsifying Mixer



VME-C液压升降上均质乳化机②
VME-C Vacuum Emulsifying Mixer



VME-C液压升降上均质乳化机③
VME-C Vacuum Emulsifying Mixer

FIXED TYPE VACUUM EMULSIFYING MIXER (CUSTOMIZED)

固定式真空均质乳化机(定制)

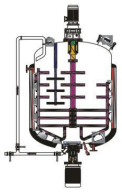




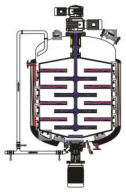
VME-F固定式底部内/外循环均质①
VME-F Fixed Type Bottom Homogenizer With Internal and External Circulation



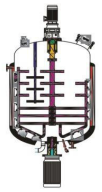
VME-F固定式真空乳化机②
VME-F Vacuum Emulsifying Mixer



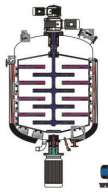
单搅拌内外循环
Single way mixing internal external circulation



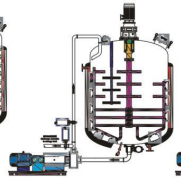
双搅拌内外循环
Double way mixing internal external circulation



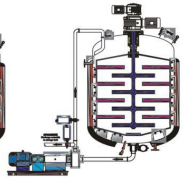
单搅拌内循环
Single way mixing internal circulation



双搅拌内循环
Double way mixing internal circulation



单搅拌外置均质机
Single way mixing & external homogenizer



双搅拌外置均质机
Double way mixing & external homogenizer

VME-H TOOTHPASTE MAKING MACHINE

VME-H牙膏制造机 (100-10000L)



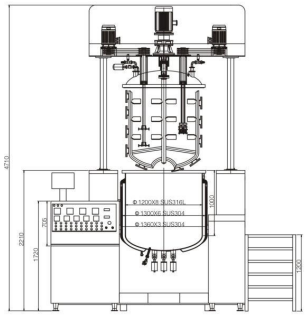


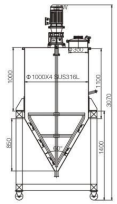


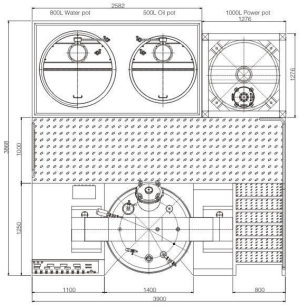
特点 FEATURES

◆内部真空均质，无外部循环
◆分散+分散或均质+分散带锚式刮板搅拌
◆接触物料部分为316L不锈钢材质，镜面抛光

◆Internal vacuum homogenizing without external loop
◆Dispersion+dispersion or homogenizer+dispersion with anchor scraper
◆Stainless steel product contact parts with mirror finish







PMC LIQUID WASHING HOMOGENIZING MIXER (SINGLE-TANK)

PMC多功能液洗类搅拌锅



PMC 多功能液洗类搅拌锅
PMC Liquid Washing Homogenizing Mixer (single-tank)

主要技术参数 TECHNICAL PARAMETER

规格 Model	有效容积 Effective Capacity	搅拌功率及转速 Stirring power and speed		均质功率及转速 Homogeneous power and speed		加热方式 Heating mode	
		kW	r/min	kW	r/min	电加热 Electric heating	蒸汽加热 Steam heating
PMC-50	50	0.75	0-65	3	3500	6KW	蒸汽加热节能环保，根据需要选配。Steam heating energy conservation and environmental protection, selected according to need.
PMC-100	100	1.5	0-65	1.5	3300	12KW	
PMC-150	150	1.5	0-65	1.5	3300	12KW	
PMC-200	200	1.5	0-65	3	3000	18KW	
PMC-300	300	1.5	0-65	3	3000	18KW	
PMC-500	500	2.2	0-65	4	3000	27KW	
PMC-1000	1000	4	0-65	7.5	3000	36KW	
PMC-1500	1500	4	0-65	11	3000	45KW	
PMC-2000	2000	5.5	0-65	11	2500	建議采用夹層蒸汽加熱 Recommended sandwich steam heating	
PMC-3000	3000	7.5	0-55	15	1500		
PMC-5000	5000	11	0-55	22	1500		

注：该表格上的参数只做参考，以实物为准。(The parameters are for reference only，the product depend on actual items.)

LIQUID WASHING HOMOGENIZING MIXER (GROUP DESIGN)

液洗均质搅拌组合





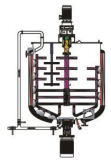
定制型搅拌锅
Customized Mixer Series



定制型搅拌锅
Customized Mixer Series



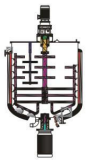
聚丙烯防腐搅拌罐(电发水)
Polypropylene Anti-corrosive Mixer



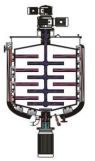
单搅拌内外循环
Single Way Mixing Internal & External Circulation



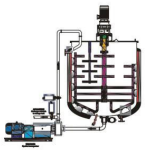
双搅拌内外循环
Double Way Mixing Internal & External Circulation



单搅拌内循环
Single Way Mixing Internal & Circulation



双搅拌内循环
Double Way Mixing Internal & Circulation



单搅拌外置均质机
Single Way Mixing & External Homogenizer



双搅拌外置均质机
Double Way Mixing & External Homogenizer

MOVABLE HIGH SHEAR DISPERSING EMULSIFIER
移动式高剪切均质机





电动升降式高剪切均质机
Electric Lifting Type Homogenizer



移动式吊杆均质机
Movable Hanging Homogenizer



WATER TREATMENT SERIES
水处理系列



一级反渗透水处理(不锈钢)
Single Stage Reverse Osmosis Water Treatment (SUS Type)



一级反渗透水处理(玻璃钢)
Single Stage Reverse Osmosis Water Treatment (FRP Type)



双级反渗透水处理
Double Stage Reverse Osmosis Water Treatment



一级反渗透水处理
Single Stage Reverse Osmosis Water Treatment



连续电除盐反渗析系统
EDI System



过流式紫外线杀菌器
Over-current Type
Ultraviolet Sterilizer



臭氧发生器
Ozone Generator

AUTOMATIC FILLING & PACKING SERIES

全自动灌装包装系列



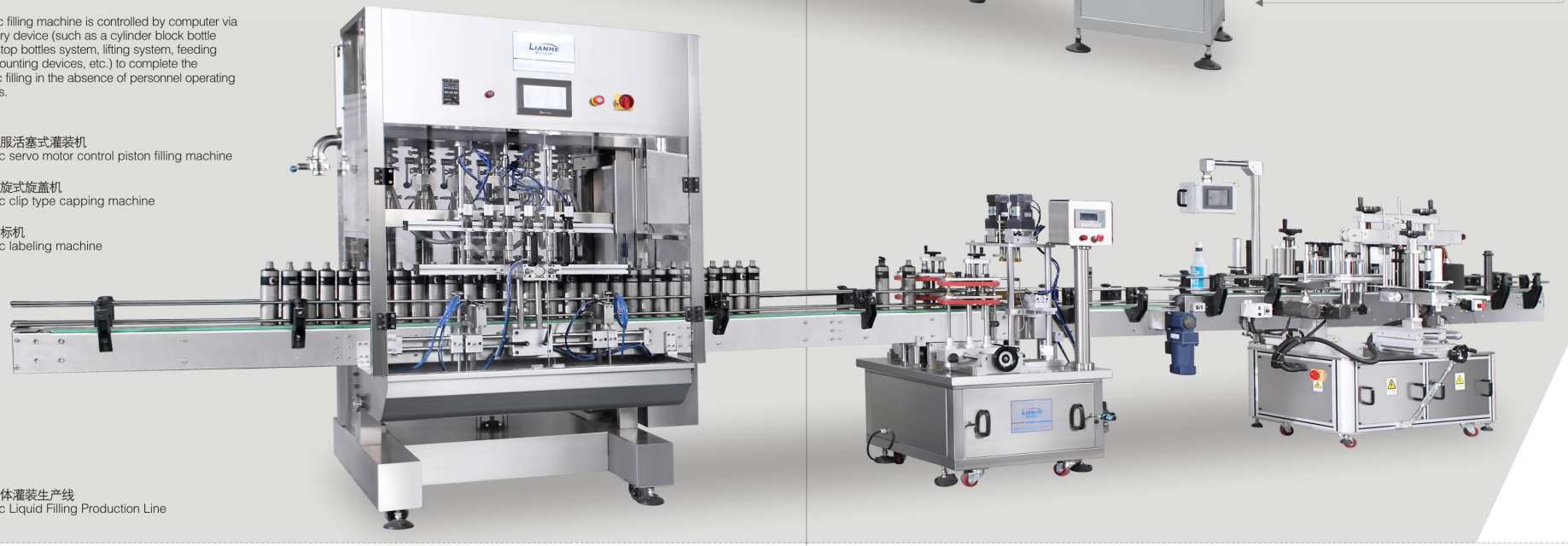
全自动灌装机由电脑控制，通过辅助装置(如挡瓶气缸，卡瓶，升降，补料控制，数瓶装置等)完成在无人员操作的情况下的自动灌装。

Automatic filling machine is controlled by computer via an auxiliary device (such as a cylinder block bottle system, stop bottles system, lifting system, feeding control, counting devices, etc.) to complete the automatic filling in the absence of personnel operating conditions.

◆自动伺服活塞式灌装机
Automatic servo motor control piston filling machine

◆自动夹旋式旋盖机
Automatic clip type capping machine

◆自动贴标机
Automatic labeling machine



全自动液体灌装生产线
Automatic Liquid Filling Production Line

◆送瓶机
Bottle feeding machine

◆自动伺服活塞式灌装机
Automatic servo motor control piston filling machine

◆自动理盖/喂盖机
Automatic caps feeding system

◆自动高速旋盖机
Automatic high speed capping machine

◆瓶子过渡机(底部喷码用)
Bottle transition machine (Bottle bottom printing use)

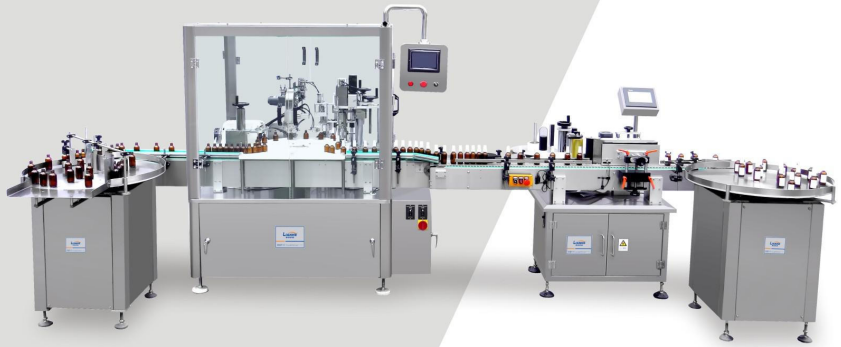
◆自动贴标机
Automatic labeling machine

◆收瓶机
Bottle collect machine

AUTOMATIC FILLING & PACKING SERIES
全自动灌装包装系列



单头全自动膏体灌装机
Single Head Automatic Jar Filling Machine



小型瓶灌装旋盖机(定制)
Small Size Bottle Filling Capping Machine (Customized)

AUTOMATIC PLASTIC / LAMINATED / ALUMINIUM TUBE FILLING & SEALING MACHINE
全自动软管/复合管/铝管灌装封尾机



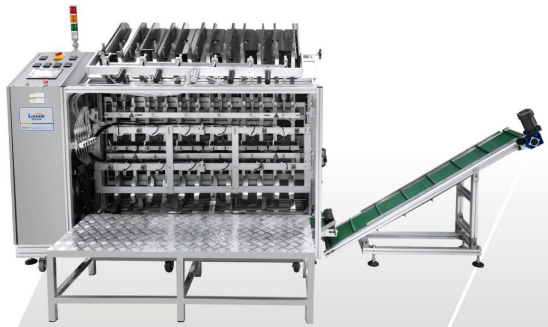
全自动软管封尾机
Automatic Tube Filling And Sealing Machine



半自动灌装封尾机
Semi-auto Filling & Sealing Machine

MASK PACKAGING MACHINE
面膜包装机





高速六位面膜包装机
6-Station Facial Mask Packaging Machine



检重机
Weight Check / Pick Machine

FILLING SERIES
灌装系列



立式气动膏体灌装机
Vertical Pneumatic
Paste Filling Machine



立式气动膏液恒温灌装机
Vertical Heating & Mixing
Filling Macine



卧式自吸灌装机
Horizontal Self-suction
Filling Machine



半自动双头液体灌装机
Semi Automatic Double Head
Liquid Filling Machine



半自动单头液体灌装机
Semi Automatic Liquid Filling Machine



手动灌装机
Manual Filling Machine



袋包机
Small Bag Packing Machine



小剂量粉体灌装机
Small Volume Powder Filling Machine



大剂量粉体灌装机
Big Volume Powder Filling Machine

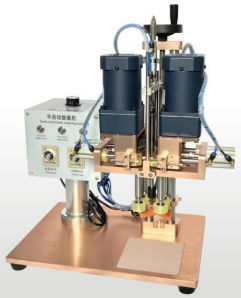
SEALING MACHINE SERIES
封口机系列



LH-600 手持式铝箔封口机
Manual Induction Aluminum Foil Sealing Machine



自动电磁感应铝箔封口机
Automatic Electric Inductor Aluminum Foil Sealing Machine



半自动旋盖机(桌面式)
Semi-auto Screw Type Capping Machine



超声波封尾机
Ultrasonic Type Tube Sealing Machine



卧式多功能自动塑料薄膜连续封口机
Horizontal Type Plastic Film Continuous Sealing Machine



柜链/网式收缩膜机
Gabinet Chain / Mesh Shrink Film Packing Machine

LABELING MACHINE SERIES
贴标机系列

性能特点

◆全进口的微电脑控制系统。
◆超大型触摸屏，操作简单。
◆采用伺服电机，速度加快时贴标精度提高，机器性能更稳定。
◆100组以上贴标参数记忆，可快速换样生产。
◆全机为高级不锈钢与铝合金经阳极处理组成，永不生锈，符合GMP标准。

PERFORMANCE CHARACTERISTICS

◆Imported microcomputer control system
◆Super large touch screen, easy to operate.
◆Servo motor is adopted, and the labeling precision is enhanced when the speed is increased. The machine performance is more stable.
◆More than 100 groups of labeling parameter memories can realize fast sample changing.
◆The whole machine is made of high class stainless steel and aluminum alloy using anodizing treatment. It will never rust, which conforms to GMP requirements.



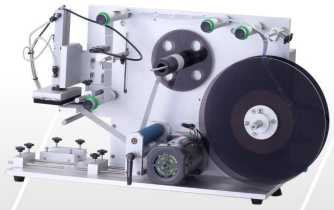
全自动多功能圆/扁/锥型瓶高速贴标机
Automatic Multi-function Round / Flat / Taper Bottle Labeling Machine



半自动圆瓶贴标机
Semi-automatic Round Bottle Labeling Machine



半自动圆瓶贴标机
Semi-automatic Round Bottle Labeling Machine



半自动扁瓶贴标机
Semi-automatic Flat Bottle Labeling Machine



手动式圆瓶贴标机
Manual Type Labeling Machine

STORAGE TANK SERIES
储罐系列



移动式敞口储罐①
Movable Open Storage Tank



移动式敞口储罐②
Movable Open Storage Tank



移动式密封储罐
Movable Sealed Storage Tank

PUMP SERIES
输送泵系列



转子泵
Rotary Lobe Pump



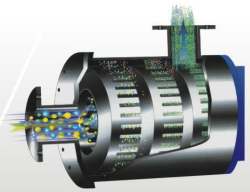
气动隔膜泵
Pneumatic Diaphragm Pump



快速可拆式乳化泵
Removable Emulsifying Pump



高效配料机
Efficient Batching Machine



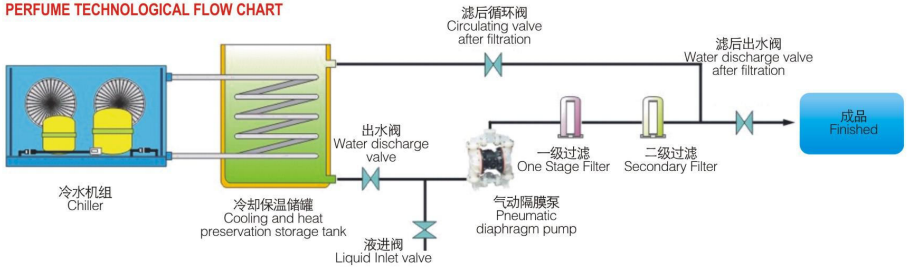
三级管线泵乳化示意图
3 Stage Emulsifying Schematic Diagram

PERFUME SERIES
香水系列



香水制造机(定制)
Perfume Making Machine (Customized Size)

香水工艺流程图
PERFUME TECHNOLOGICAL FLOW CHART



主要技术参数 TECHNICAL PARAMETER

型号 Model	LH-X 3P-200	LH-X 3P-300	LH-X 5P-300	LH-X 5P-500	LH-X 10P-500	LH-X 10P-1000	LH-X 15P-1000
冷冻功率 Freezing power	3P	3P	5P	5P	10P	10P	15P
冷冻容量 Freezing capacity	200 L	300L	300L	500L	500L	1000L	1000L
过滤精度 Filtration precision	0.2μm	0.2μm	0.2μm	0.2μm	0.2μm	0.2μm	0.2μm



香水制造机
Perfume Making Machine



四头香水真空灌装机
Four-head Perfume Vacuum Filling Machine



气动香水轧盖机
Pneumatic Perfume Crimping Machine



气动打盖机
Pneumatic Perfume Collaring Machine



手动香水轧盖机
Manual Perfume Crimping Machine



不锈钢板框过滤机
Stainless Steel Frame Filter



可移动式二级过滤装置
Moveable Two Stage Filter



半自动烟包机
Semi-automatic Cellophane
Packing Machine

MAKE-UP EQUIPMENT

彩妆设备



三辊研磨机
Three-roller Grinding Mill



口红真空锅
Lipstick Vacuum Mixer



口红灌装机
Lipstick Filling Machine



彩妆油类灌装机
Make-up Filling Machine



冷冻隧道（适用于口红、发蜡、凡士林）
Freezing Tunnel(Apply To Lipstick, Wax, Vaseline)



彩妆粉类打粉机
Make-up Powder Mixer

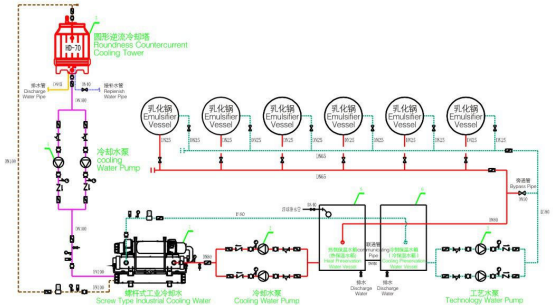


压粉机
Powder Compacting Machine

CIRCULATING WATER COOLING SYSTEM

循环水冷却系统

循环水冷却系统流程图
CIRCULATING WATER COOLING SYSTEM FLOWCHART



技术参数 TECHNICAL PARAMETER

序号 No.	物料量(吨) Material volume	单位处理量(吨/小时) Unit disposing capacity(T/H)	初始温度(℃) Initial temperature	最终温度(℃) Final emperature	降温温差(℃) Dropping temperature difference	计算冷负荷(kw) Calculated cold load	富裕系数(1.30) Affluence doefficient	设计冷量(kw) Designed cooling capacity
1	1.00	1.00	80.00	30.00	50.00	58.15	1.30	1.30
2	2.00	2.00	80.00	30.00	50.00	116.30	1.30	1.30
3	3.00	3.00	80.00	30.00	50.00	174.45	1.30	1.30
4	4.00	4.00	80.00	30.00	50.00	232.60	1.30	1.30
5	5.00	5.00	80.00	30.00	50.00	290.75	1.30	1.30

作用：出水最低温度可达7℃，能够快速使物料冷 却，并能很好的保证物料的光泽度，特别是针对洗涤及膏霜类等产品的冷却；

智能：用智慧型微电脑触摸屏集中控制系统，可与各水泵联动，并预留冷却塔启动电路，全方位监控机组运行；

高效：先进的高效螺杆压缩机匹配优质冷凝器与蒸发器。所有产品通过国家级检测系统测试，符合国家标准；

安全：具备多种机组运行安全保护措施，保证机组运行及客户使用安全；

美观：机组设计为一体化，外型美观；

可靠：性能稳定、噪音低、使用寿命长。

Function: The lowest output water temperature can be 7℃ to cool the materials rapidly and guarantee the material luster. Especially for cooling products such as detergent and ointment, etc.

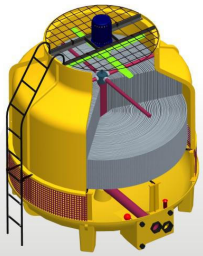
Intelligence: The intelligent microcomputer touch screen integrated control is adopts. It can link to varies water pumps,the cooling tower starting circuit is preserved to monitor the unit operation in an all-round way.

High efficiency: The advanced high efficiency screw compressor is equipped with high quality condenser and evaporator. All the products have passed the test by national inspection system which can meet to national standard.

Safety: It is provided with safety protection measures to ensuring the machine operation and safe use by customers.

Beautiful appearance: The unit adopts integral design with beautiful appearance.

Reliability: With stable performance, low noise and long service life.



冷却水塔
Cooling Water Tower



螺杆式冷冻机组
Screw Type Freezing Unit



水冷螺杆箱式一体机组
Water Cooling Screw Box Type Integral Unit

AUXILIARY EQUIPMENT

包材类辅助设备



双列间歇式洗瓶机
Bottle Washing Machine



空气清洗机
Air Cleaning Machine

热风循环烘箱
HOT AIR CIRCULATION OVEN

该系列产品全部采用轴流风机，配用了自动恒温温度控制系统，并备有电脑控制系统以供选择。其工作原理是利用蒸气或电力热源，通过换热器加热空气，以轴流风机为动力，使热物料含湿量降低，达到干燥目的。

The series of products completely adopt axial fan equipped with automatic constant temperature control system, which is provided with computer control system for option. The working principle is to make use of the steam or electric heat source, through heating the air by heat exchanger and adopting the axial fan as the driving power, the moisture content of hot materials is reduced so as to realize the purpose of drying.



卫生级调速输送机 SANITARY GRADE CONVEYOR





AUXILIARY EQUIPMENT

辅助设备



实验室均质机
Lab-use Homogenzier



实验室搅拌器
Lab-use Mixer



实验室均质机
Lab-use Homogenzier



蒸汽发生器(电加热式)
Steam Generator (electric Type)



立式胶体磨
Solid Colloid Mill



分体式胶体磨
Solid Colloid Mill



V型混合机
V Type Mixer



槽型混合机
Trough Type Mixer



喷码机
Inkjet Printer

Vacuum Homogenize Emulsifier



Picture for reference (**Button control**)

Introduction

Composed of pre-treating boilers, vacuum emulsifying and blending boiler, vacuum pump, hydraulic lift system, dumping system, electric control system etc.

Suitable for production of ointment and lotion products in cosmetic and pharmaceutical plants. The emulsifying effect is more prominent for materials of high base viscosity and high solid content.

Feature

Strictly according to GMP standard design and production, polishing meet 300U(sanitary standard);

The inner parts adopts SS316L stainless steel;

Imported frequency conversion control(Taiwan Delta); Siemens motor;

Machinery sealing with excellent sealing quality and performance, can continuously work 24 hours;

Scraper blending and stable blending work at the same time

Security protection function

Can not open the lid when there is vacuum in boiler

Can not open the lid when blending is still working

Can not start blending and homogenizing function when the lid is open

The lid can not work when tilting is not reset

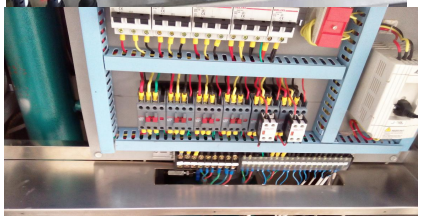
Can not tilt and pour material when the lift is not at top point

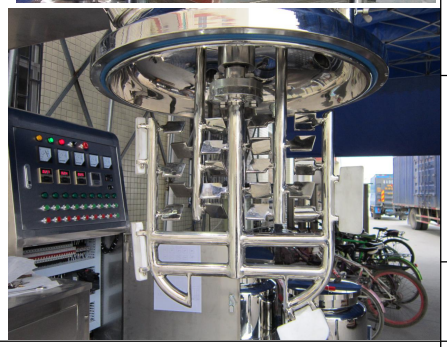
Machine stopping automatically when blending and homogenizing is overload or over pressure

Discharge cooling water automatically when cooling water pressure is strong

Label security warnings on cabinet and control panel

Configuration

No	Picture	System & parts	Description
1		Lifting System	* Hydraulic lifting up and down * Button control * Vane pump * Solenoid valve * Overflow valve * One-way valve
2	  	Electric Cabinet & Components	* DELTA frequency converter * Digital temperature controller * Delixi ampere meter * Delixi temperature display * Delixi electric components * CHINT components are also used as stock changed
3		Mian Boiler Production Capacity & Volume	* Design volume: 125L
			* Work volume:100L
		Jackets & Material	* Inner layer:SS316L, Thickness: 5mm
			* Middle layer:SS304, Thickness: 5mm
			* Outside layer:SS304,Thickness: 2mm
			*Cover:SS304,Thickness: 5mm
		Heating & Cooling	* Jacket electric heating, 9Kw * Tap water input cooling

		Lid & Upper Parts	* Sealed head material: SS316L, 5mm
			* Vacuum pressure gauge
			* Absorb filter
			* Air release valve
			* Vacuum valve
			* Air compressor
			* Air inlet of pump
			* Endoscopic lamp
			* Endoscopic mouth
			* Spices funnel
		* Contact part adopts sanitary grade 316L pipeline	
4	 	Upper Mixer Motor	* Adjustable speed motor * Power:1.5KW * With frequency converter * Mixing speed： 0-65 RPM
		Agitator Blade Axle Scraper Blade	* Wall-scraping blending, SS316L * Scraper blade material: Teflon
		Bottom Homogenizing Motor	* High speed motor * Power: 4KW * Rotary Speed： 2880rpm * SS 316L Homogenizer 
		Seal Type	* Mechanical seal
5		Oil Boiler Production Capacity & Volume	* Design volume: 50L Working volume:45L
		Jackets & Material	* Inner layer:SS316L, Thickness: 4mm
			* Middle layer:SS304, Thickness: 4mm
			* Outside layer:SS304,Thickness: 2mm
			*Cover:SS304,Thickness: 4mm
		Heating & Cooling	* Jacket electric heating, 6KW * tap water input cooling
		Lower Mixer	Lower mixer: 1440 r/min, Power: 0.75KW
6		Water Boiler Production Capacity & Volume	* Design volume:100L Working volume:90L

		Jackets & Material	* Inner layer:SS316L, Thickness: 4mm
			* Middle layer:SS304, Thickness: 4mm
			* Outside layer:SS304,Thickness: 2mm
			*Cover:SS304,Thickness: 4mm
		Heating & Cooling	* Jacket Electric heating, power:9KW
		Lower Mixer	Lower mixer: 1440 r/min， Power: 0.75KW
7		Tilting Discharging	* Electric tilting
8		Vacuum pump	* Oil ring type vacuum pump * Power:1.5kW

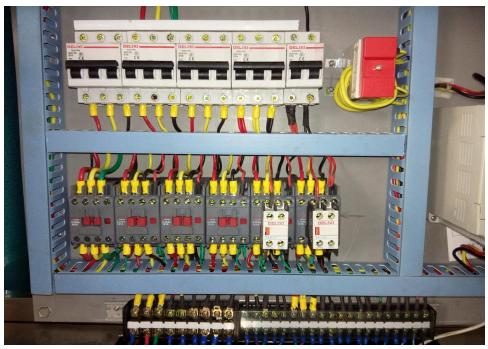
MAIN PARTS:



Overall Appearance



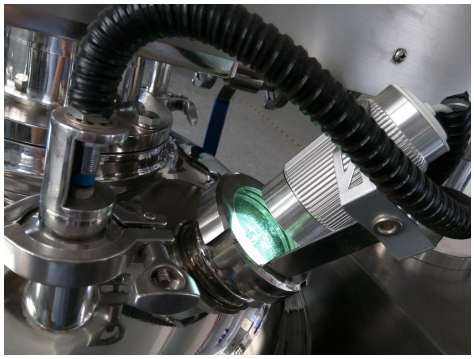
Control Cabinet



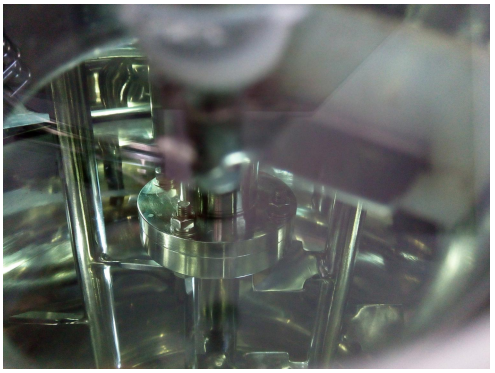
Electric Components



Endoscopic Mouth



Endoscopic Lamp



Inner Mixing Blender



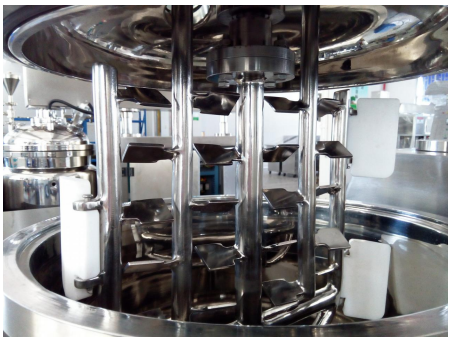
Vacuum Ball Valve



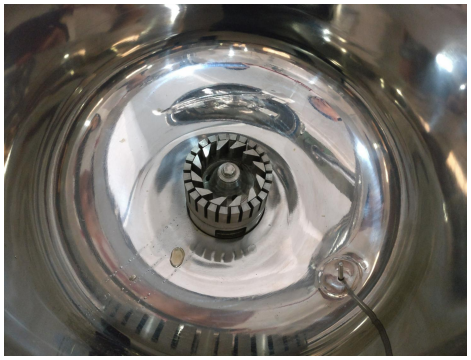
Vacuum Pressure Gauge



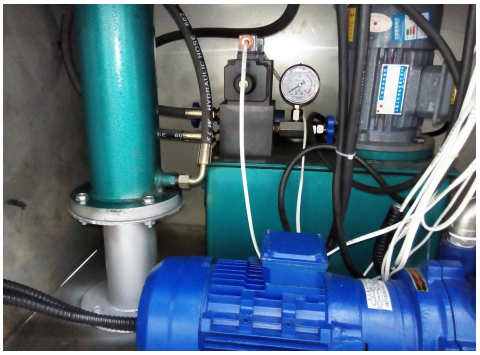
Spices Funnel



Top Blending With Teflon Scraper



Bottom Homogenizer Temp Sensor



Hydraulic System & Vacuum Pump