



## C 公司简介 Company Introduction

济南比睿特机械设备公司坐落在美丽的泉城济南，是一家以挤压膨化机械及配套设备研发、制造为主营业务的企业。多年来汇聚了行业工作数十年的专家团队，公司自建立以来始终遵循：“科技创新领先，管理信誉为本”为宗旨；坚持“质量求先，工作务实，诚信待人”的经营理念，发扬持续改进，追求卓越的敬业精神，脚踏实地，严格规范企业的行为准则，确保本公司以优质的产品服务于用户。不仅在挤压膨化技术研究方面倾尽全力，更努力在挤压膨化食品、仿真食品、速食食品、膨化水产饲料等工艺方面不断探索，创造出多项技术领先的膨化设备。

比睿特机械依靠专业的膨化技术专家团队，一直致力于挤压膨化设备的研制与开发，是挤压膨化设备专业制造商。公司制造设备种类全，产品多样，配套系列完善，客户可一站式购齐所需全部设备。目前是中国挤压膨化设备及其配套设备主要的专业生产、制造、研发厂家。

比睿特机械在膨化机械领域拥有人才、资源、网络、规模、经验的巨大优势和影响力。在公司全体员工的不努力下，不断增强企业的市场竞争力和综合实力。过硬的产品质量及完善的售后服务使鼎润公司在行业内赢得了良好的口碑，得到国内外客户的认可。

目前公司设备在国内销售已遍布二十多个省市自治区，国外远销欧洲：英国、乌克兰、白俄罗斯、俄罗斯、土耳其；美洲：加拿大、美国、智利、苏里南、巴西；非洲：巴西、尼日利亚、马拉维、莫桑比克、刚果（布）、莱索托；亚洲：缅甸、越南、菲律宾、泰国、印尼、马来西亚、印度、乌兹别克斯坦、哈萨克斯坦、吉尔吉斯斯坦、朝鲜、阿富汗、伊朗、黎巴嫩、塔吉克斯坦等国家。

我们深知，客户的发展是我们前进的动力，客户的认可是对我们最好的评价，客户的成功是我们的骄傲。我们愿与中外客商携手共进，开拓未来。

## COMPANY INTRODUCTION

Jinan Bright Machinery Co., Ltd. located in the City of Springs, Jinan, which specialize in R&D and manufacturing of extrusion machinery and related corollary equipment. We piece together a team of extrusion machinery experts who have worked in the industry for several decades. We follow "Science and Innovation first, management and credit as root." as principles, insist "Quality first, practical work, integrity to others" as operation philosophy. Develop continuous improvement, pursuit of excellence in professionalism, down-to-earth, strictly regulate the enterprise standards of behavior. To ensure we provide quality service to our customers. And doing best not only in the extrusion technology research, but also continuously explore in the extrusion food, instant food, snack food, simulation process aspect, such as aquatic feed, to create a number of leading technology extrusion equipment.

Bright company rely on the professional team of technology experts, has been committed to research and development of extrusion equipment, is a professional manufacturer of extrusion equipment. The company has many kinds of manufacturing equipment, diversified product range, the customers can do one-stop shopping of all the needed equipment. We are currently China's extrusion equipment and form a complete set of equipment is mainly specializing in the production, manufacturing, research and development.

Bright company has the talents, resources, network, scale, and experience in the field of machinery puffing huge advantage and influence. In the company all staff's unremitting efforts to continuously enhance their market competitiveness and overall strength. Excellent product quality and perfect after-sales service. Dingrun company have won a good reputation among domestic and foreign customers in the industry.

We know very well that the development of customer is our motivation, customer recognition of our best assessment, the customer's success is our pride. We are willing to join hands with Chinese and foreign customers, to exploit the future.



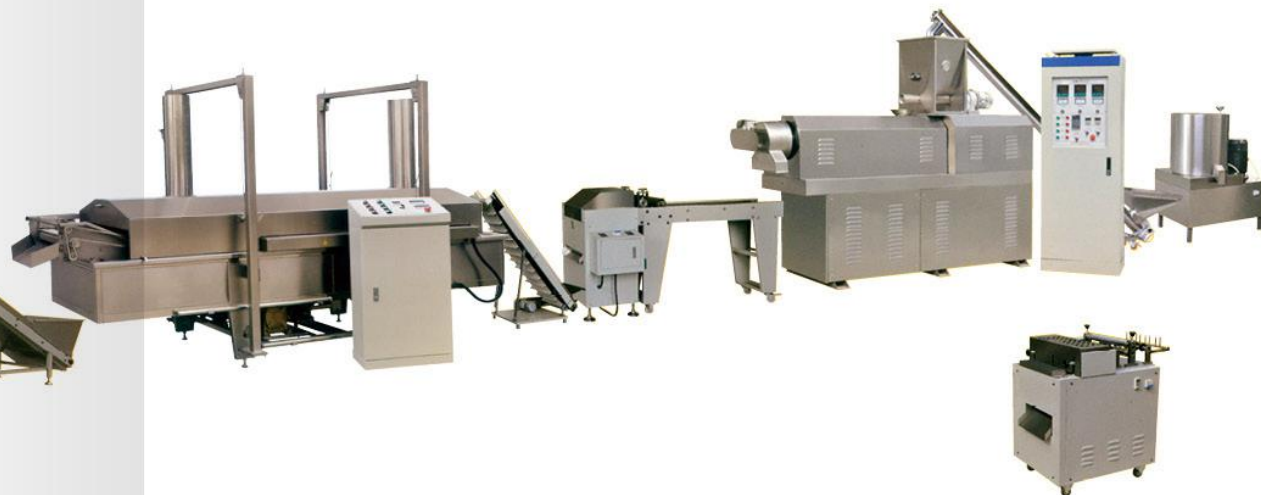
锅巴、薯条、妙脆角、三角片生产线

Fried Snacks Production Line



该生产线通过原料混合、挤压膨化成型（或切断机成型）、油炸甩油、调味、包装、更换模具和选择合适的生产工艺可生产各类油炸类膨化食品。譬如锅巴、薯条、妙脆角、小鱼酥、披萨卷、酥京果、三角片等产品。产品花色多样、口感酥脆不油腻。

This production line can make different kinds fried snacks(such as rice crusts, ships, bulges, pizza rolls, Doritos)based on changing die moulds and manufacturing technique. The production process includes mixing, extruding, cutting, frying, flavoring and packing. The products are crispy and less oil.



技术参数 Technical Parameter

主机型号 /Model	TSE65- II	TSE70
装机功率 /Installed Power	88kw	126kw
实耗功率 /Power Consumption	65kw	82kw
生产能力 /Production Capacity	100-150kg/h	200-260kg/h
外形尺寸 /Dimension	21000 × 1500 × 2200mm	30000 × 1500 × 2200mm

## 烘烤奇多食品生产线

Baked Cheetos food production line



该生产线是一种新型的挤压膨化小食品生产设备。采用玉米渣为主要原料，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产品。因其香酥可口、营养美味而广受消费者青睐。

Cheetos are special extruded snacks with crunchy and great 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. Due to the two rotary plates, corn grits are squeezed and twisted to curls shapes. The cutting knives can cut into required lengths. The Cheetos can be 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

主机型号 / Model	油炸类 Frying Type	焙烤类 Roasting Type
装机功率 / Installed Power	85kw	80kw
实耗功率 / Power Consumption	65kw	65kw
生产能力 / Production Capacity	100-200kg/h	100-200kg/h
外形尺寸 / Dimension	21000 × 1800 × 2100mm	18000 × 1400 × 2200mm



## 夹心米果生产线

Core Filling Snack Food Production line



生产线从原料配制、挤压膨化、夹芯、成型、切断、喷涂、调料到成品一次完成。自动化程度高。该生产线具有可选机型多、设备配置灵活、原料范围广、产品种类多、操作简单等特点。更换模具和选择合适的生产工艺可生产夹心米果、夹心饼、麦烧、麦香鸡块、营养早餐、玉米片等膨化产品。经膨化后的食品具有口感酥脆、易消化、香味独特、是消费者理想的休闲食品。

Core Filling Snack production line can do the works of raw materials preparation, extrusion, core filling, shaping, cutting, coating and flavoring at a time, which is high automation degree. This production line has the advantages of more machines choice, flexible and diverse configurations, wide range of raw materials application, numerous in products variety and easy operation. It can make the puffed food, such as core filling snack food, filling biscuit, nutrition breakfast, corn flakes etc. After being puffed, the products are crispy, easy to digest and unique taste. They are the perfect leisure food for consumers.



### 技术参数 Technical Parameter

主机型号 / Model	TSE65- (II)	TSE70	TSE85
装机功率 / Installed Power	74kw	105kw	205kw
实耗功率 / Power Consumption	52kw	75kw	150kw
生产能力 / Production Capacity	100-150kg/h	200-260kg/h	400-500kg/h
外形尺寸 / Dimension	17000 × 1300 × 2200mm	20000 × 1500 × 2200mm	30000 × 1500 × 2600mm



## 螺旋贝壳、妙脆角食品生产线

Screw/Shell/Bugles Chips Processing Line



1、拌粉机/Mixer

2、螺旋输送机/Screw conveyer

3、单螺杆主机/Single screw extruder

4、输送切断机/Cutter

5、冷却床/Pulling&cutting machine

6、热风干燥机/Dryer machine

7、自动油炸机/Auto fryer

8、单滚筒自动调味线/Automatic flavoring line



### 生产线介绍 Main Line To Features

该生产线主要以马铃薯淀粉、玉米淀粉、木薯粉、面粉等为原料利用独特的挤压成型工艺，生产市场上流行的形状各异的二次膨化食品。该生产线设计合理，自动化程度高，挤压参数控制精确，主机配有高低压螺杆，增加了原材料的使用范围，降低了成本，改善了产品的品质。主要产品有：螺旋、贝壳、圆管、方管、圆圈、卡通形、运动型等。

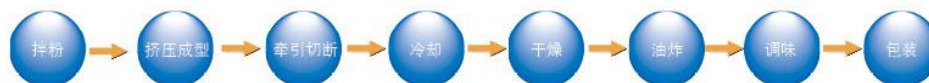
This process line uses potato starch, corn starch, cassava starch, wheat flour as materials produced various shapes second inflating food. This line is reasonable design, high automation, extruding parameter exactitude controlled. Main extruder has high and low pressure screw, enwide the scope of raw material, reducing processing cost and modify the product quality. Main products: screw, shell, round tube, square tube, ring, cartoon shape and sport shape etc.



### 生产线技术参数 Technical parameter

型号 Model	BKS-80单螺杆生产线 Single screw extruder	BKS-100单螺杆生产线 Single screw extruder
装机容量 Installed capacity	70KW	86KW
实耗功率 Power consumption	40KW	55KW
生产能力 Output	40-50kg/h	60-100kg/h
外形尺寸 Size	15000 × 1200 × 1800mm	16000 × 1200 × 1800mm

### 生产工艺流程 The Production Process Flow



## 油炸面食生产线

Fried Flour Snack Food Processing Line



- 1、拌粉机/Mixer
- 2、复合压延机/Compound roller pressing machine
- 3、提升机/Large-hoister
- 4、油炸机/Fryer
- 5、提升机/Hoister
- 6、调味机/Flavor machine

### 生产线介绍 Main Line To Features

油炸面食膨化生产线适用于将面粉等原料通过多道压辊进行压制加工，采用特制机构分切成不同的形状，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。

Frying flour food processing line used to put flour through many roller pressing, using different types of cutter to get different of shapes, and then through frying let them inflating. Then flavoring and drying after frying to get good taste leisure food. This line is reasonable design and easy operation.



### 生产工艺流程 The Production Process Flow



### 生产线技术参数 Technical parameter

型号 Model	KZM-I油炸面食生产线 Frying flour processing line	KZM-II油炸面食生产线 Frying flour processing line
装机容量 Installed capacity	60KW	12L/h(燃油)
实耗功率 Power consumption	50KW	8-12L/h(耗油)
生产能力 Output	150kg/h	150kg/h
外形尺寸 Size	12000 × 800 × 800mm	12000 × 800 × 1800mm

营养米、人造大米生产线

Reconstituted Rice/Artificial Rice Processing Line



- ①拌粉机 / Mixer
- ②螺旋提升机 / Screw conveyor
- ③双螺杆主机 / Twin-screw extruder
- ④震动冷却机 / Vibratory cooling machine
- ⑤风送机 / Air conveyor
- ⑥烤箱 / Dryer
- ⑦冷却输送机 / Cooling conveyor

生产线简介 Production Line 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，使营养成份大大降低。人造大米（营养米）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需的各种营养元素添加到食品中，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。

Turning broken rice into high-quality reconstituted rice. Processing broken rice into grains of rice with specific product characteristics requires state-of-the-art twin screw extruder technology. Extrusion processes can be used to produce top-quality reconstituted rice indistinguishable from the natural product. Competence is applied to every stage of processing involved in the production of fortified rice: from grinding, blending, conditioning, extrusion and drying through to sifting, storage and packing. Depending on the desired product properties, the precise product-specific extrusion parameters can be determined by the customer. Ground broken rice is transformed in Dinggong's twin screw extrusion systems into new grains whose appearance is remarkably like the of natural rice. As desired, the reconstituted rice can be fortified via addition of vitamins and minerals. Important properties such as color, form, size and texture as well as cooking characteristics and cooking time can be determined precisely. Iron fortified rice is extruded fortified with micronized ground ferric pyrophosphate(MGFP) would increase body iron stores in children. This is an effective strategy for reducing iron deficiency anemia.



技术参数 Technical Parameter

主机型号 / Model	DG65- III	DG70- II	DG85- II
装机功率 / Installed Power	68.5kw	96.5kw	165kw
实耗功率 / Power Consumption	43kw	60.5kw	103kw
生产能力 / Capacity	120-150kg/h	180-240kg/h	300-400kg/h
外型尺寸 / Dimension	18000 × 1200 × 2200mm	20000 × 1500 × 2200mm	22000 × 3500 × 4300mm



玉米片、早餐谷物生产线  
Corn Flakes/Breakfast Cereal Production



- ①拌粉机 /Mixer
- ②螺旋提升机 /Screw conveyor
- ③双螺杆主机 /Twin-screw extruder
- ④布料机 /Vibrate feeder
- ⑤风送机 /Air conveyor
- ⑥压片机 /Flaking machine
- ⑦风送机 /Air conveyor
- ⑧烤箱 /Dryer
- ⑨提升机 /Hoister
- ⑩布料机 /Vibrate feeder
- ⑪高温烤箱 /Hot air puffing dryer
- ⑫涂糖机 /Sugar spraying line
- ⑬烤箱 /Dryer
- ⑭冷却输送机 /Cooling conveyor

生产线简介 Production Line 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 are a popular breakfast cereal manufactured by twin-screw extruder through the treatment of flakes of grain, served with milk, coffee or marshmallows, were a very popular food among the families. Corn flakes (Breakfast Cereals)crispy rice machinery is developed and manufactured on the basis of the international advanced extruder technology, which is named corn flakes breakfast processing line. Its technology performance and quality can teach international advanced level. This line consist of mixing, extrusion, flaking, drying, flavoring, packing which can be finished in one time, it is full automatically and easy to operate. The raw material is corn and other grains, corn should be determinate and peeling.

Other cereal products also can be produced by this production line like Fruit Loops, Coco Krispies Cruncheroos. Honey Loops etc.



技术参数 Technical Parameter

主机型号 /Model	DG65- III	DG70- II	DG85- II
装机功率 /Installed Power	140kw	160kw	190kw
实耗功率 / Power Consumption	90kw	120kw	140kw
生产能力 /Capacity	120-150kg/h	180-240kg/h	300-500kg/h
外型尺寸 /Dimension	39000 × 1200 × 2200mm	41000 × 1500 × 2200mm	43000 × 3500 × 4300mm



组织蛋白、拉丝蛋白、素肉生产线  
TVP/TSP/Meat Analogue Processing Line



- ①拌粉机 /Mixer
- ②螺旋提升机 /Screw conveyor
- ③双螺杆主机 /Twin-screw extruder
- ④风送机 /Air conveyor
- ⑤烤箱 /Dryer
- ⑥冷却输送机 /Cooling conveyor

生产线简介 Production Line Introduction

植物组织蛋白食品生产线是我公司根据国内市场需求，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。物料在螺杆的推进下，在机筒内经过高温、高压、高剪切而发生蛋白组织化。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。

Textured Soy Protein comes from defatted soy flour, which is a byproduct of soybean oil, so it is plentiful in supply. It's also quick to cook and a great source of vegetable protein without all the fat. Textured Soy Protein comes in small dry chunks resembling, well, dried vegetables more than anything, or in a finely-ground form. It's flavorless, but when you rehydrate it and add your own flavors, it makes a great protein-filled addition to many dishes calling for ground meat. Because of its varying texture, it's versatile, and can take on the texture of many meats. For instance, it's excellent in chili, tacos, veggie burgers and soups. With muscle structure, it has better absorbency and can defend without cholesterol. It can be boiled in high temperature with different tastes, or added into meal product as stuffing. When it's used to replace meat in stews and soups, your family will hardly be able to tell the difference and since you can marinate it in many of the same sauces as meat, it can take on many of meat's flavors.



技术参数 Technical Parameter

主机型号 /Model	DG65- IV	DG85- III
装机功率 /Installed Power	68.5kw	165kw
实耗功率 / Power Consumption	43kw	103kw
生产能力 /Capacity	240-280kg/h	400-500kg/h
外型尺寸 /Dimension	18000 × 1200 × 2200mm	22000 × 3500 × 4300mm

## 水产饲料生产线

### Aquatic Feed Production Line



- ①双螺杆主机 / Twin-screw extruder
- ②风送机 / Air conveyor
- ③烤箱 / Dryer
- ④提升机 / Hoister
- ⑤自动调味线 / Flavoring machine
- ⑥提升机 / Hoister
- ⑦冷却机 / Cooler

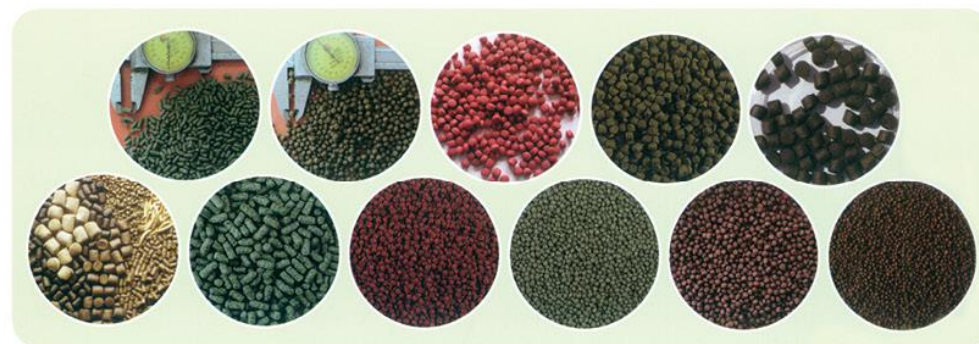
#### 生产线简介 Production Line Introduction

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、不浪费饲料、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 80% 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 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

主机型号 / Model	DG65- III	Dg70- II	DG85- II
装机容量 / Installed Power	70kw	90kw	120kw
实耗功率 / Power Consumption	40kw	50kw	100kw
生产能力 / Capacity	120-150kg/h	200-250kg/h	400-500kg/h
外型尺寸 / Dimension	22000 × 1200 × 2200mm	24000 × 1500 × 2200mm	28000 × 3500 × 4300mm



宠物食品生产线  
Pet Food Production Line



- ① 拌粉机 / Mixer
- ② 螺旋提升机 / Screw conveyor
- ③ 双螺杆主机 / Twin-screw extruder
- ④ 风送机 / Air conveyor
- ⑤ 烤箱 / Dryer
- ⑥ 自动调味线 / Flavoring machine
- ⑦ 冷却输送机 / Cooling conveyor

生产线简介 Production Line Introduction

宠物食品生产线赋予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。丰富多彩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、干燥机和调味线组成。

Pet food is close to the human beings food in the fine level, the health index and the nutritional ingredients, some of them request more highly than human beings. Pet food generally consists of meat, meat by products, cereal, grain, vitamins, and minerals. General grains, such as soybean meal, corn meal, cracked wheat, and barely, are often used to improve the consistency of the products. The meat is mixed with the other ingredients.

Ingredients are brought together in a mixer. Dry ingredients are grinded prior to mixing with wet ingredients. The mixed ingredient is heated in the pre-conditioner prior to feeding into the extruder. In extruder, the ingredients are cooked under intense heat and pressure as it moves toward the open end of the extruder where ingredients pass through a shaping die and knife. Dog food is dried in a multi-pass dryer until its moisture content is low enough to make it shelf stable, dog food may pass through a coating drum where animal fat and vitamins are applied onto dog food.

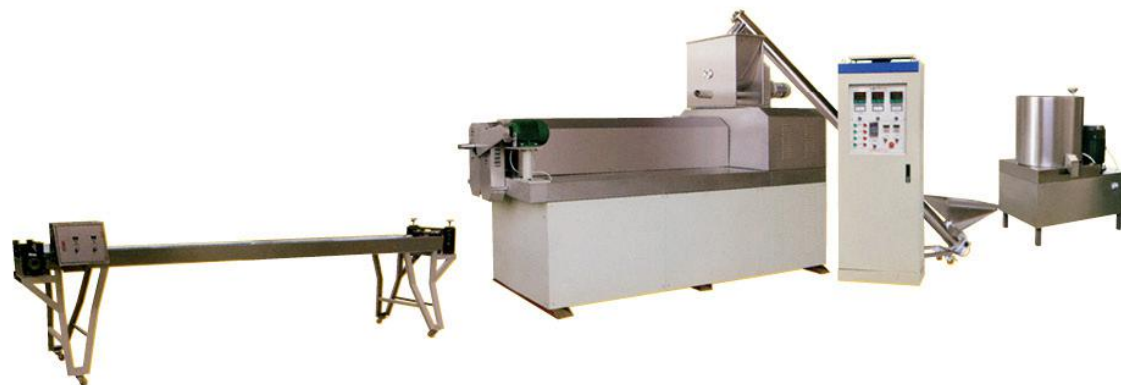


技术参数 Technical Parameter

主机型号 / Model	DG65- III	DG70- II	DG85- II
电源电压 / Input Voltage	380V/50Hz	380V/50Hz	380V/50Hz
装机功率 / Installed Power	70kw	90kw	120kw
实耗功率 / Power Consumption	40kw	50kw	100kw
生产能力 / Capacity	120-150kg/h	200-250kg/h	400-500kg/h
外型尺寸 / Dimension	22000 × 1200 × 2200mm	24000 × 1500 × 2200mm	28000 × 3500 × 4300mm



狗咬胶是经多种物料科学配比，由螺杆挤出机挤压成型制成棒状、骨状等不同形状的咬胶型宠物食品。它既可以提供犬类动物一些必须的应用，如：蛋白质、脂肪、维生素等，又可给爱犬磨牙，满足犬类爱咀嚼的嗜好。同时还可强壮牙龈和颌骨，清洁口腔，清除牙垢，降低疾病传染。经常咀嚼并定期刷牙可以减慢齿菌斑和牙垢的形成，能减少牙龈炎及其它污垢的形成。在小狗长牙阶段牙床很痒，既减轻痛苦，又保护家中的物品不被损坏。Pet chews takes starch as raw materials with scientific configuration and was extruded from co-extruder, it can be made into different kind of shapes such as stick, bone, bi-color, bi-flavor, etc. this kind of food not only provide protein, fat, vitamin, nutrition for dogs, but also satisfy the dog nature hobby. It has following features: strong teeth, clean mouth and teeth. The products can be in many shapes, like twist, double colors, core-filling and so on.



技术参数 Technical Parameter

主机型号 / Model	EXT80 单螺杆生产线 Single Screw Extruder Line	EXT100 单螺杆生产线 Single Screw Extruder Line
装机功率 / Installed Power	70kw	100kw
实耗功率 / Power Consumption	50kw	70kw
生产能力 / Production Capacity	80kg/h	100kg/h
外形尺寸 / Dimension	19000 × 2000 × 2200mm	27000 × 2000 × 2200mm

## 面包糠生产线

Breadcrumbs Production Line



“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。

Breadcrumb is widely used food as supplementary material. It is mainly used in the western-style food such as frying beefsteak, frying chicken leg and so on. It can add the crispy flavor. The production line working principle is different with traditional bread crumb technique. When producing, it does not make waste material. So production cost is reduced. Main product is acicular crumb, granular crumb etc.

### 技术参数 Technical Parameter

主机型号 / Model	TSE65	TSE70
装机功率 / Installed Power	71kw	94kw
实耗功率 / Power Consumption	46kw	61kw
生产能力 / Production Capacity	100-150kg/h	200-260kg/h
外形尺寸 / Dimension	18000 × 1300 × 2200mm	20000 × 1300 × 2200mm

营养粉 / 预糊化淀粉生产线

Nutritional Powder/Modified Starch Production Line



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 nutrient.

技术参数 Technical Parameter

主机型号 / Model	TSE65	TSE70	TSE85
装机功率 / Installed Power	77kw	108kw	150kw
实耗功率 / Power Consumption	50kw	75kw	100kw
生产能力 / Production Capacity	100-150kg/h	200-260kg/h	400-500kg/h
外形尺寸 / Dimension	19000 × 1300 × 2200mm	21000 × 1300 × 2200mm	30000 × 1500 × 2600mm



该生产线经过调节双螺杆挤压机机筒和螺杆结构，经挤压膨化、干燥、粉碎，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 production line can make modified Starch, denatured starch, pre gel starch by changing different designed barrel and screws of double screw extruder. Through extruding, inflating, drying, crushing. Modified starch is widely used in textile, food process, oil drilling, paper, construction industries etc.

技术参数 Technical Parameter

主机型号 / Model	TSE65	TSE70	TSE95
装机功率 / Installed Power	55kw	70kw	120kw
实耗功率 / Power Consumption	40kw	50kw	95kw
生产能力 / Production Capacity	100-150kg/h	200-250kg/h	600-800kg/h
外形尺寸 / Dimension	19000 × 1300 × 2200mm	21000 × 1300 × 2200mm	30000 × 1500 × 2600mm



## 试验型双螺杆挤压膨化机 Experimental Twin-screw extruder



### 质量控制：

#### 1. 设计控制

技术人员根据用户的具体要求结合试验的实际情况进行科学、合理的设计，并编制设备制造的全过程工艺卡片。

#### 2. 采购控制

确立供方名单，并对供方进行严格的考察和比较，遵循优质原则，建立供方档案，同一品种的外购外协件，能够正常供货的供方不得少于三家。

#### 3. 生产控制

生产必须以技术文件为依据，对每工序的已加工合格品必须加以标识，关键零部件标识要明确，保证产品的可追溯性。

#### 4. 检验控制

●由专职检验人员对原材料及外购、外协件进行检验，批量较大的可抽检，但抽检不得低 30%，关键、精密的外购外协件必须全检。

●自制件的加工必须进行自检、互检、复检、总检，全部合格方可定为合格品。

●成品可以在厂内装机并启动的，在厂内启动试机检验，检验合格后方可出厂；不能在厂装机的必须分阶段严格检验，在需方厂内安装完毕并试机成功，出具检验合格证。

### 服务承诺：

#### 1. 设计、生产

我公司在承接设备加工的设计、生产阶段，广泛征集需方意见，尤其在平面布置时充分考虑需方的场地条件及公用工程条件，使设备在保证质量的同时，兼顾最优化的组合。

#### 2. 安装调试

国内客户：设备到达需方厂内，我公司派专职技术人员赴需方指导安装并负责调试至正常使用。国外客户：经双方协商约定时间安装调试，如不需要则不调试，客户自行承担因此产生的问题。

#### 3. 质量保证

我公司设备质保期为一年，国内客户：质保期内非人为因素的设备损坏，负责免费维修，人为因素的设备损坏，我公司及时维修并收取成本费。国外客户：根据事实情况双方协商。

#### 4. 维修及期限

质保期满发生的设备损坏，国内客户：接到需方通知后，省内企业二天内到达现场维修，省外企业四天内到达现场。国外客户：根据需方要求，双方协商。质保期满提供的服务为有偿服务，每次服务均收取工本费。

#### 5. 零配件供应

我公司长年向需方提供优质、优价的零配件，并提供相关的配套服务。

### Quality control:

#### 1. Design control

Technical personnel according to user's specific requirements with the actual situation of experiment, provide scientific and reasonable design, and produce the whole process of equipment manufacturing process card.

#### 2. Procurement control

To establish the supplier list and strict inspection and assessment of the supplier, to follow the principle of high quality, to set up the supplier file, for the same spare parts variety, the supplier shall not less than three.

#### 3. Production control

Production must be based on the technical documentation, nonconforming product has been processed must be identified for each process, key parts logo must be clear, to ensure the product traceability.

#### 4. Inspection control

By full-time inspection for raw materials and outsourcing, outsourcing parts inspection, large batch of sampling, sampling rate should not lower than 30%, for key and rigid outsourcing spare parts, must perform full inspection.

Homemade parts processing must carry out self-inspection, mutual inspection, review, total inspection, all nonconforming products shall be regard as qualified products.

Finished product can be installed in the factory and start commissioning test, once pass it, the products can be allowed to come out of factory. For the machines that can not be tested within our factory, we will perform stage by stage rigid inspection, and perform installation and machine test, and issue inspection certificate.

### Service commitment:

#### 1.Design and production

The company, in the design of the equipment or processing, production stage, widely solicit buyer's opinion, take sufficient considerations of site condition and utility conditions, to make sure equipment quality guarantee while achieving optimization combination.

#### 2.Installation and debugging

Domestic customers: Upon the arrival of the equipment to customer side, we will assign professional technicians to give advice on the equipment installation until normal operation.

Foreign customers: We will run the equipment installation and debugging according to appointed time depends on the mutual negotiation with customers.

#### 3. Quality assurance

The company equipment warranty period is one year, domestic customers: quality assurance period for the unartificial factor of equipment damage, we provide free maintenance, if it is artificial factor of equipment damage, we charge the maintenance cost in time.

Foreign customers: To perform equipment installation and debugging on appointed time, if not needed, will not perform it, the customers bear the related problems.

#### 4. Maintenance&Duration period

Warranty period of equipment damage, domestic customers: after receiving buyer's notification, for enterprises in the province, we will arrive at the scene maintenance in two days, for enterprises outside the province, we will arrive in four days' time. Foreign clients: according to buyer's requirements, both sides perform negotiation.After the expiry of the warranty period,the service is paid service, and each service we will charge nominal fee.

#### 5.Spare parts supply

The company provide the buyer with high quality, low price spare parts, and provide the related supporting services.