

PROVEG ENGINEERING AND FOOD PROCESSING PVT. LTD.

<https://provegengineering.in>



“We believe in judging our success by our ability to meet the expectations of our customers and Principal's and work with the aim of providing global technology with local support.

About us

We are a professional business entity engaged in designing, engineering, manufacturing, supplying, erecting and commissioning of an array of vegetable and fruit processing pretreatment line, hot air dryers, vacuum freeze dryers, IQF, extruded food machineries, baked food machines, candy, chocolate machines, industrial mixers, nut and grain shelling, hulling , grading, sorting and cutting machines, packaging solution. Our expertise resides in turnkey plants which we can assemble at client's site with ease.

From humble beginnings in year 2006 as Techno Engineers & consultants, now at PROVEG we have emerged as a strong partner to our customers serving them with need based solutions at affordable prices while never compromising on the quality of our equipment

Headquartered in Pune, we have a local presence in Chennai. In addition, we have a well-equipped manufacturing & testing facility on the outskirts of pune to give our customers the opportunity to test and validate their products with our solutions. Our manufacturing facility is also the authorized unit for manufacturing Shakers from Key Technologies.

Our strengths

End to end solutions for food processing

Highly skilled after sale service support

15 years of experience in automation of various International & Regional snack food products.

We provide full solution right from procurement up to delivery of equipment to your doorstep, commissioning, handovering and backing it with technical support for life long

Fully automatic solution for our machines

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(A) Extruded food processing line

1) 2D pellet process line

General

This process line uses wheat flour, potato starch, corn starch as main material to produce a variety of pellet food in different shape which are popular in the market, such as crispy pea, shell, screw, square tube, round, wave, etc. this process line is characterized by unique techniques, rational configuration, high automation and stable performance. It can finish stamping, extruding and shaping in one step without a boiler. The products have similar shapes to the real one and taste crispy and delicious after fried.

Technical Parameter

Model	DLG 90 single- screw process line	DLG 130 Single process line
Installed power (Kw)	53.32	81.15
Power consumption (kw)	37	57
Capacity kg/h	60-85	110-140
Dimension (mm)	29000x2400x2900	29500x2400x2900



2) 3D pellet process line

General

This process line is newly designed and produced with advanced technology. It has improved the disadvantages of import such as large investment and high production cost. This line uses corn starch, wheat flour, potato starch as materials to produce "bugles", "web", "potato chips "and many other 3D compound extrusion food.

Technical Parameter

Model	Installed power	Power consumption	Capacity	Dimension
PVG/MCJ-II	117.89kw	82kw	60-85kg/h	46000 x 5500 x 3000mm
PVG/MCJ-III	154.89	108kw	110-140kg/h	47000 x 5500 x 3000mm



3) Bread crumb process line

General

Bread Crumb is mainly used for Fried Beefsteak and chicken as frying dressing. This line is specially designed and developed to operate from the material to final shaping automatically with less manpower, without waste, lower production cost, and higher production efficiency.

Main Features

1. Belt transmission between motor and gear box, reducing energy consumption.
2. Feeding, main driving device, and rotary cutting device adopt inverter to adjust the speed with more powerful drive, stable running, and low consumption.
3. Screw is made of alloy steel with long life. Segmental assembled screws are applied to more kinds of materials and products
4. Automatic lubrication system can lower down power consumption and prolong the life.
5. Double screws feed equal materials forcibly.
6. Hanging mould and knives seat and bearing knife adjusting system can adjust the knives exactly and swiftly.

Technical Parameter

Model	Installed Power	Power Consumption	Capacity	Dimension
PVG-65-C	70.57kw	46kw	100~150kg/h	22500*2000*2200mm
PVG-65-D	74.16kw	48kw	100~150kg/h	23500*2000*2200mm
PVG-70-A	93.71kw	61kw	250~300kg/h	28500*2000*2600mm



4) Breakfast cereal food and corn flakes

General

Breakfast cereal food and corn flakes food are crispy food which is produced by breakfast cereal process line using grist as basic material. It is fast and nutritional food with given structure in granule shape, flake shape and animal shape. Its outstanding characteristic is containing abundant compound carbohydrate and meal fiber. Breakfast cereal can not only strengthen lots of microelement such as vitamin and mineral, but also be added with cocoa powder, sugar powder, honey, and maltose. You can enjoy it directly by mixing with coffee, milk, yoghourt or functional drink. Children can eat breakfast cereal as sweet crispy snack. There are also natural corn flakes, sweet corn flakes and salty corn flakes according to different flavors.

Main Features

1. Belt transmission between motor and gear box, reducing energy consumption.
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6. Hanging mould and knives seat and bearing knife adjusting system can adjust the knives exactly and swiftly.

Technical Parameter

Model	Installed Power	Power Consumption	Capacity	Dimension
PVG65-CJ	85.97kw	56kw	100~160kg/h	34500*2000*2600mm
PVG65-DJ	88.56kw	57kw	100~160kg/h	35500*2000*2600mm
PVG70-A	119.06kw	82kw	200~250kg/h	35600*2000*2800mm



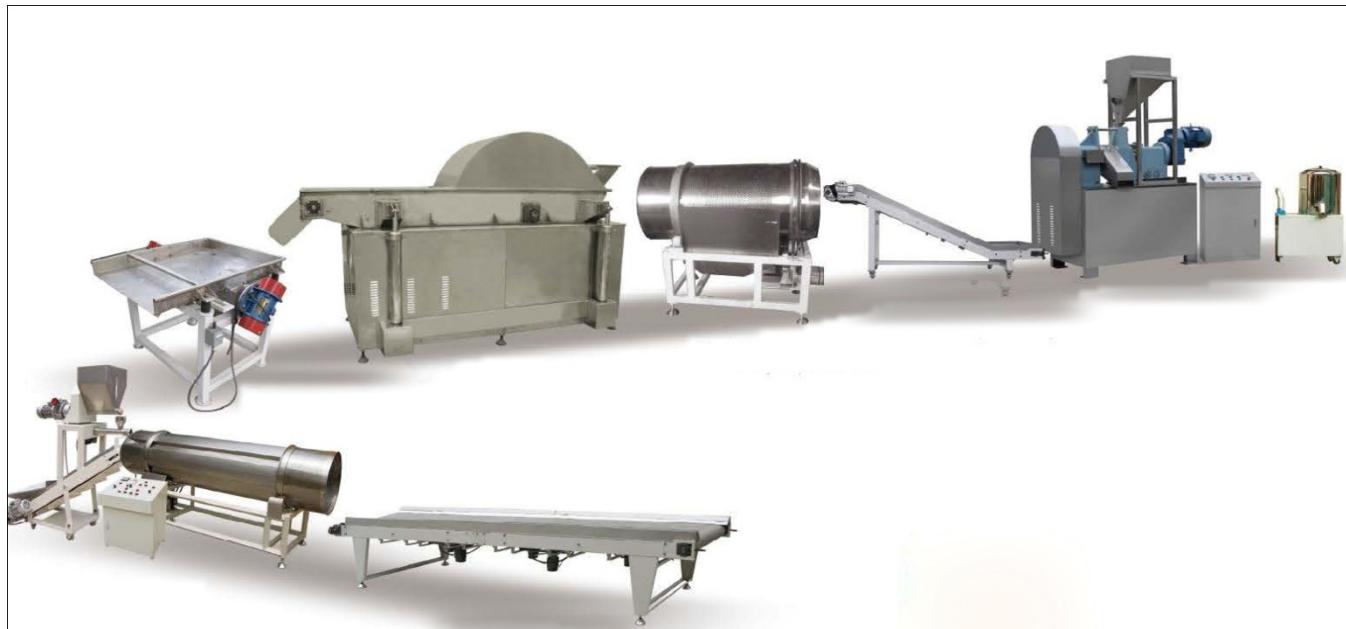
5) Cheetos, Kurkure nik naks process line

General

Cheetos is a special extruded snack with extreme crispy taste. The main raw material is corn grits which is mixed with water evenly by the flour mixer, squeezed and twisted by the extruder to form the irregular curls shape, and then cut into different length, at last fried or baked and flavored. Such snacks with rich taste are always the customer's favor.

Production Flow

Flour Mixer → Cheetos Extruder → Conveyor → Rotary Sifter → Elevator Fryer → Vibrating De-Oiler → Flavoring Line → Cooling Conveyor



6) Direct puff, core-filling snack process line

General

Direct Puff Snack Process Line adopts advanced share extrusion technology, which can extrude products with different textures and tastes out of Double-Screw Extruder at the same time. It can produce a variety of direct puff snack food which is popular in the world market, such as fragrant chicken, core-filling rolls etc. It can also produce nutritional powder, grain gruel and many other snacks by changing different moulds and assistant's equipments. This automatic process line is of leading leve for its superior characters "Normal materials, convenient operation and maintenance, lower power consumption, higher output.

Technical Parameter

Model	PVG65-C Direct Puff Snack Process Line	PVG65-CJ Direct Puff Snack Process Line	PVG70-A Direct Puff Snack Process Line
Installed Power	63.41kw	52.13kw	86.06kw
Power Consumption	41kw	34kw	56kw
Capacity	100~150kg/h	100~160kg/h	250~300kg/h
Dimension	18000*1200*2000mm	23500*1800*2600mm	25000*2100*300mm



7) Doritos, tortilla chips process line

General

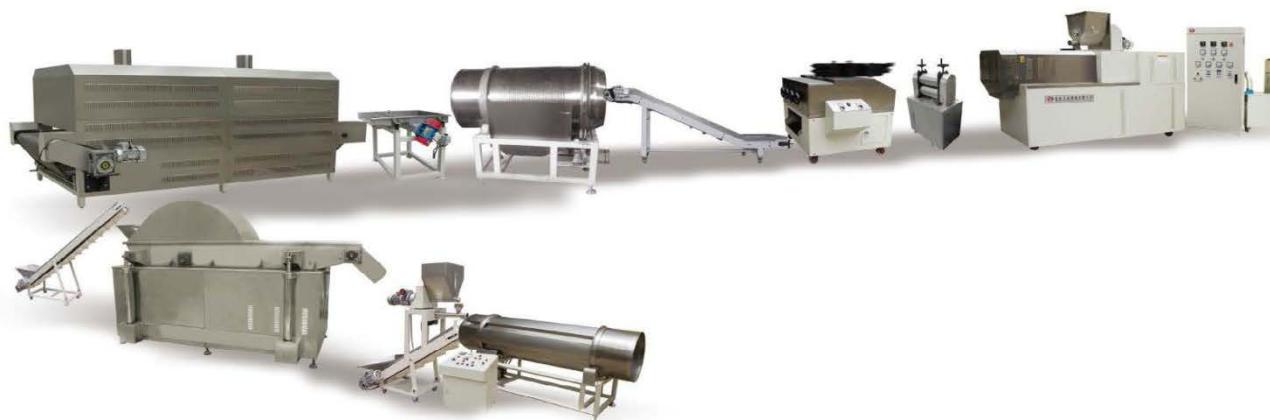
Doritos chips process line uses corn powder, corn starch, and rice powder as main materials which are extruded, punched into triangle, round, square shapes, and then baked and flavored. Such snacks with crispy taste, rich nutrition and digestible structure are very popular with many people all over the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

Flow chart

Flour mixer → double-screw extruder → pulling machine → cutter→ conveyor → rotary separate shifter → dryer → fryer → flavoring line

Technical Parameters

Model	Installed power	Real power	Output	Dimension
PVG65-C	70.57kw	46kw	100-150kg/h	22500x2000x2200mm
PVG65-D	74.16kw	48kw	100-150kg/h	23500x2000x2200mm
PVG70-A	93.71kw	61kw	250-300kg/h	28500x2000x2600mm



8) Floating & sinking fish feed processing line

Features

1. Automatic floating fish feed machine and fish feed machine can produce different shapes food for cattle, sheep, dog, fish or cat etc.
2. Through the pretreatment of the fodder, it can reduce loss of nutrition and advance the protein ratio. So the fodder will be digested easily by animals.
3. The processing line adopts corn flour, wheat flour, low temperature soya flakes meal, rice bran, wheat bran as raw materials
4. Puffed extrusion fish food machine. Floating and sinking feed pellet can be produced. For floating fish feed, it can float around 20 hours.
5. The design High output, low consumption and bacterium reducing is realized by the steam and electric design.

Technical Parameters

Model	Power (kw)	Consumption (Kw/h)	Output (D:4-10mm) (Kg/H)	Installation size (mm)
PVG 65-P(Dry)	35	22-30	100-200	15000x2500x4000
PVG 70-P(Dry)	45	30-35	150-300	16000x2500x4000
PVG 85-P(Dry)	75	60-65	400-500	19000x2500x4500
PVG 70(Steam)	45	32-40	250-400	27000x2500x4500
PVG 90(Steam)	105	80-95	1000-2000	39000x2500x5000
PVG 950(Steam)	200	128-150	2000-3000	43000x2500x6000
PVG 130(Steam)	280	200-240	3000-5000	5000x6000x8000



9) Fried Wheat Flour puff snack process line

General

This Fried corn rice snack processing line can use corn, rice, and other grain powder as raw materials to produce snacks that can be fried. Snack shapes can be various, such as chip, ball, ring, net, triangle, round, etc. After fried and seasoned, the snacks are crispy and tasty which is very popular in the market.

Production Flow

Flour Mixer → Double-screw Extruder → Cutting Machine → Fryer → Eight-square Seasoner

Technical Parameter

Model	Installed Power	Power Consumption	Capacity	Dimension
PVG-SLG65-C	40.75kw	26kw	100~150kg/h	16500*2250*2900mm
PVG-SLG70-A	76.05kw	54kw	250~300kg/h	2000*2250*2800mm



10) Nutrition rice, artificial rice processing line

General

Rice machine uses rice powder, corn powder as the main raw material, and some other vitamin and mineral material can be chosen as the products required. The material is extruded into rice shape by the single-screw extruder, and dried to needed moisture content, and eaten after boiled 5-8min. The extruding technique makes it possible to strengthen the micronutrient in the rice and solidify it.

Technical Parameter

Model	Installed powder	Power consumption	Capacity	Dimension
PVG-DLG 90	46.08kw	30kw	60-85kg/h	14000x2400x2020mm
PVG-DLG130	73.08kw	49kw	110-140kg/h	16000x2400x2020mm



11) Nutritional powder process line

General

This process line is one of the newly developed double-screw extruding techniques. The traditional stir-fry handiwork has low efficiency and less usable raw material, and its sanitation and quality are difficult to control. The double-screw extruding technique makes up those lack nesses. It not only can process grain material, like buckwheat, oats, etc but strengthen the nutrients to produce multi-functional nutritional healthy food, such as slimming grain powder, buckwheat powder, black sesame paste, red Chinese date thick soup, etc.

Technical Parameter

Model	PVG-SLG65-CJ Process Line	PVG-SLG65-DJ Process
Installed Power	81.57kw	84.16kw
Power Consumption	53kw	55kw
Capacity	100~150kg/h	110~160kg/h
Dimension	16500×1150×2350mm	17500x1150x2350mm



12) Pet Food Process Line

General

Pet Food production Line endues pet food with the amount of nutrition, digestible structure, novel shape, and unique taste to meet with the needs of modern market. The fish food is extruded into a variety of shapes such as granule or power, and can be floating or sink in water. We have different production capacity for this automatic process line with the best quality and most competitive price.

Features

1. Belt transmission between motor and gear box, reducing energy consumption.
2. Feeding, main driving device, and rotary cutting device adopt inverter to adjust the speed with more powerful drive, stable running, and low consumption.
3. Screw is made of alloy steel with long life. Segmental assembled screws are applied to more kinds of materials and products
4. Automatic lubrication system can lower down power consumption and prolong the life.
5. Double screws feed equal materials forcibly.
6. Hanging mould and knives seat and bearing knife adjusting system can adjust the knives exactly and swiftly.

Technical parameter

Model	Installed Power	Power Consumption	Capacity	Dimension
PVG65-CJ	113.11kw	85kw	100~160kg/h	24000*2000*2050mm
PVG65-DJ	83.17kw	62kw	100~160kg/h	25000*2000*3060mm
PVG70-A	109.93kw	83kw	250kg~300kg/h	27500*2100*3100mm



13) Popcorn process line

General

Popcorn process line puffs the corn seed directly into popcorns, and then uses different flavorings like salt, cream, caramel and other seasonings to make various tastes. Popcorns is a kind of non-fried, nutritious, healthy, crispy and tasteful snacks, so it is one of the most favorite leisure snacks all over the world.

Production Flow:

Popcorn Extruder → Conveyor → Rotary Sifter → Elevator → Flavoring Line → Vibrating Spreader → Cooling Conveyor



14) Textured fiber vegetarian soya protein process line

General

Textured soya protein processing line is nonfat low temperature soya bean meal as main raw material to produce all kinds of textured protein food, which is nutritional and easily absorbed by human body. Such soya protein food looks like real muscle meat and mastication. Textured soya protein food is widely applied to many industries, such as can food, seasoning food, ham, cooking, etc. which can be replacement of real meat.

Technical Parameter

Model	PVG-SLG65-F textured protein process line	PVG 72-A Textured/fiber protein process line	PVG85-A textured protein process line
Installed power (kw)	120.13	187.88	135.13
Power consumption (kw)	95	105.5	110
Capacity (kg/h)	300-500	400-600	500-800
Dimension (mm)	2300x3000x5300	23700x2150x3005	24500x3000x5300



(B) Auxiliary machines

1) Air flow puffing machine

General

Air steam puffing machine keeps the self owned flavors, nutrition and colors of wheat, rice, corn, millet and other cereal grains. It is the best suitable puffing machine for rice cake, wheat cake, coffee corn, sweet cheese rice and other puffed grain foods. All the machines are made by stainless steel.

Air flow puffing machine food

1. Great Output (about 60kg/h)
2. Less Human Power (one worker can operate two machines)
3. Less power consumption (low energy consumption of unit product)
4. Simple structure, safe operation and stable performance.
5. Good performance and high speed
6. Excellent product quality and good taste.



2) Double-screw extruder

General

The double-screw food extruder is for almost all kinds of snacks or food, fried and not fried, directly puffed, for human and for pet. It is applied to all the raw materials, such as corn, rice, wheat flour, oat, rye, bean, buckwheat etc.

Features

1. Direct transmission between motor and gear box, reducing energy consumption.
2. Feeding, main driving device, and rotary cutting device adopt inverter to adjust the speed with more powerful drive, stable running, and low consumption.
3. Screw is made of alloy steel with long life. Segmental assembled screw is applied to more kinds of materials and products.
4. Automatic lubrication system can lower down power consumption and prolong the life,
5. Double screw feed equal materials forcibly.
6. Hanging mould and knives seat and bearing knife adjusting system can adjust the knives exactly and swiftly.

Technical Parameter

Model	Capacity	Installed power	Power consumption	Motor power	Speed mode	Dimension (mm)	Product
PVG-SLG 35-A	20-50kg/h	9.04kw	6kw	5.5kw	Inverter	2500*700*1600	Directly puffed /test & teach
PVG-SLG 65-C	100-150kg/h	30.45kw	22kw	22kw	Inverter	2600*950*2000	Directly puffed
PVG-SLG 65-D	100-160kg/h	34kw	23kw	22kw	Inverter	3460*1100*1960	Directly puffed
PVG-SLG 65-CJ	100-150kg/h	41.45kw	29kw	30kw	Inverter	3060*950*2050	Pet food, Breakfast cereal
PVG-SLG 65-DJ	100-160kg/h	44.04kw	31kw	30kw	Inverter	3900*1100*1960	Pet food, Breakfast cereal
PVG-SLG 70-C	200-250kg/h	64.45kw	45kw	45kw	Inverter	3320*960*2050	Pet food, Breakfast cereal

PVG-SLG 70-A	200-300kg/h	65kw	45kw	45kw	Inverter	4400*1300*2200	Pet food, Breakfast cereal
PVG-SLG 65-F	250-400kg/h	97kw	67kw	75kw	Inverter	4800*3000*4200	Textured protein
PVG-SLG 72-A	300-400kg/h	170kw	93kw	90kw	Inverter	6586*1860*3005	Textured/Fiber soya protein
PVG-SLG 85-A	350-450kg/h	116.75kw	90kw	90kw	Inverter	5200*1300*2500	Breakfast cereal, Textured soya protein, Pet food
PVG-SLG 85-B	400-800kg/h	112kw	72kw	90kw	Inverter	6000*2200*4500	Extrusion food



Double screw extruder PVG-SLG65-F



PVG-SLG35-A
Double-screw Extruder



PVG-SLG65-C
Double-screw Extruder



PVG-SLG65-D
Double-screw Extruder



PVG-SLG65-DJ
Double-screw Extruder



PVG-SLG70-C
Double-screw Extruder



PVG-SLG70-A
Double-screw Extruder



PVG-SLG80-A
Double-screw Extruder

3) Dryer

General

Dryers for food snack can dry various food and snacks. The dryer drying has high heat efficiency, and hot air circulation makes better drying quality. The drying cavity is divided into single layer, 3 layers, 5 layers, 7 layers. All is stainless steel widened net belt. Advanced temperature control device can be set proper temperature for different materials, so the drying quality can be assured.

Technical Parameter of electricity dryer

Model	PVG/DKX 3 layers electric dryer
Capacity	100~150kg/h
Installed power	22kw
Heat power	21kw
Heat temperature	~140°C
Drying time	4~8min
Dimension	4800×1150×1750mm

Characteristics of electricity dryer

1. Heat with infrared ray heating tube, raise and lower down temperature quickly, small heat inertia and high heat efficiency.
2. Adjustable transit speed of net belt with accurate temperature control device.
3. Double-roller chain and chain drive make stable and smooth running.
4. Sliding board bottom of dryer for easy cleaning.
5. Suitable to dry non-fried extrusion snacks, nutritional powder, bread crumb, pet food, textured vegetarian protein, etc.



Characteristics of multi-layer diesel/gas Dryer

1. High efficient diesel/gas burner can heat swiftly with low consumption ad high heat efficiency.
2. Hot wind cycle device makes heat energy equal in the dyer.
3. Adjustable transit speed of conveyer belt with accurate temperature control device.
4. Double –roller chain and chain driver make stable and smoothing running.
5. Suitable to dry non-fried extrusion snacks, nutritional powder, bread crumb, pet food, textured protein, etc.

Technical parameter

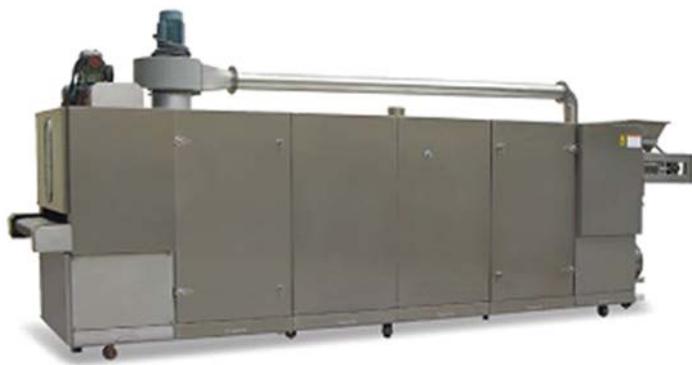
Model	Capacity	Installed power	Burner	Diesel consumption	Heat temperature	Drying time	Dimension
PVG/SHX 3-layer dryer	200~250 kg/h	6.2kw	150000 kcal	7~10kg/h	-140°C	4~14min	6700x1500x250 0 mm
PVG/WH X 5-layer diesel/gas dryer	200~350 kg/h	7kw	200000 kcal	10~13kg/h	-140°C	7~25min	7200x2100x260 0 mm
PVG/QH X 7 layer diesel/gas dryer	300~500 kg/h	9kw	200000 kcal	10~20kg/h	-140°C	7~25min	7200x1700x340 0 mm



PVG/WHX5-layer diesel/gas dryer



PVG/QHX 7 layer diesel/gas dryer



PVG/SHX 3-layer dryer

Characteristics of recycling dryer

1. High efficient diesel/gas burner can heat swiftly with low consumption and high heat efficiency.
2. With compact structure, large capacity, and small apace.
3. Equal distributing materials, recycling work and equal drying.
4. Adjustable transit speed and recycling times suiting for many different materials.

Technical Parameter

Model	Capacity	Installed power	Burner	Diesel consumption	Heat temperature	Drying time	Dimension
PVG/WF X-III Recycling dryer	200~400 kg/h	5.03kw	120000 kcal	5~7kg/h	70-110°C	Set respectively	7500x2400x2000 mm
PVG/GH J-W High temperature dryer	150-300kg /batch	-----	120000 kcal or electricity	-----	-300°C	3~9min	5000x1500x1600 mm



PVG/WFX-III Recycling dryer

4) Flaking machine

Characteristics of big flaking machine

1. After heat treatment, the alloy steel roller surface is corruptible, and not sticky.
2. Flow- guiding discharger guides the granular materials to the rollers smoothly without sticky.
3. Adjustable clearance and speed of two rollers make different thickness and capacity.

Technical parameter

Model	PVG Small flaking machine	PVG-1000 Big machine	PVG punching shaper
Capacity	Adjustable	Adjustable	Adjustable
Power(kw)	3	30.98	3.37
Roller Size(mm)	215	420	180
Dimension (mm)	940x970x1310	1650x1800x1750	480x830x1260
Products	Crain porridge	Corn flake	Crispy rice cake





5) Flavoring machine

General

The Oil and powder spray flavoring line (**PF-PG-PY**) is composed of Elevator, Rotary Drum, Powder Sprayer, and Oil Sprayer. The Elevator transmits the dried extrusion snack to the rotary Drum, and at the same time, powder seasoning and edible oil are sprayed into it separately by the two sprayers. In the Drum the snacks are flavored equally. This whole line is centrally controlled by the control cabinet. The driving motors adopt frequency conversion speed governing system, and the heating system is equipped to advanced temperature control and display devices. The reasonable design, high automation, easy operation, small occupying space, and low consumption all make this process line your best choice.

The Syrup sugar coating line (**PTG**) is composed of coating roller and sprayer. The dried expanded food is sent by elevator into the coating roller and rotated with it. At the same time, the sprayer sprays the syrup into it. With the rotating, the syrup is coated on the surface of the snacks evenly.

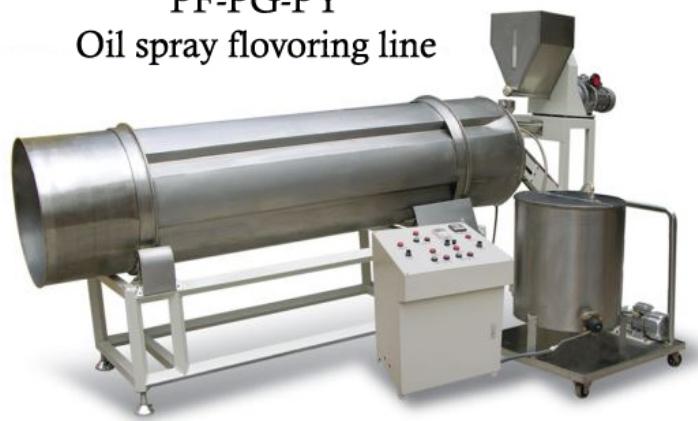
The machines are made of stainless steel, adopting inverter and steeples speed regulating system to change the motor speed. The heating system is equipped with advanced temperature control and display devices.

This process line is characterized by reasonable design, high automation, simple operation, small occupying space, and low consumption.

Technical Parameter

Model	PF-PG-PY	PG-PF	PTG (Syrup Sugar Coating Line)
Capacity	100-200kg/h	100-200kg/h	150-250kg/h
Driving power	1.86kw	1.67kw	-----
Heating power	2kw	-----	18kw
Dimension	4300×1800×1850mm	4300×800×1850mm	3000×2000×1850mm
Products	Non-fried extrusion food	Fried extrusion food	Pet food, Breakfast cereal

PF-PG-PY
Oil spray flavoring line



PTG
(Syrup Sugar Coating Line)



6) Fryer

General

There are two types of fryer we have first is continuous fryer second is batch fryer both fryer can be widely used to fry various kinds of food, like potato chips, shrimp sticks, rice crispy, nuts, puff snacks, etc. It includes frying, conveying, and de-oiling with accurate control. Simultaneous conveying and frying makes continuous production in high efficiency and with less labor. High efficient electrical heating way and optimized structure of frying body can use less oil to realize high oil circulation. Separate frying body and conveyor can be cleaned conveniently. Net belt conveyors make even feeding and discharging. Diesel, gas, and coal can be the alternative heating fuel for this fryer.

Reasonable design of structure, high automation, simple operation, low consumption, low waste, and central control are all characteristics of this continuous frying line.

Characteristics of continuous fryer

1. Hot oil boiler circular heating makes temperature up fast and small fluctuation of oil temperature.
2. Dynamic oil filter system cleans the waste residue and keeps oil fresh during frying.
3. Optimized boiler structure can reduce the needed oil quantity and make high oil velocity.
4. The boiler body and conveying part can be separated for easy cleaning; vibrator feeding material, discharging equally.
5. It can adopt diesel, gas, coal etc as energy source.



PVG-LXZ 6000 Automatic continuous food snack fryer



PVG-ZLYZ Rotary fryer Automatic continuous food snack fryer



PVG-LXZ 4000 Automatic continuous food snack fryer

Characteristics of Batch fryer

1. With function of frying, de-oiling and conveying in compact structure.
2. PLC centrally controls the frying process in high automation.
3. Advanced temperature control device and reasonable stirring device ensure the best frying quality.
4. Heat supply of diesel/gas burner makes temperature up to down fast with low power consumption in high efficiency.
5. Two control ways, manual and automatic, make operation flexible.



Batch Fryer Without De-oiling



PVG-ZYG (Batch fryer with De-Oiling)



PVG-SYX De-oiler

Technical parameter

Model	PVG-LXZ 4000 (Automatic continuous food snack fryer)	PVG-LXZ 6000 (Automatic continuous food snack fryer)	PVG-ZLYZ (Rotary fryer Automatic continuous food snack fryer)	PVG-ZYG (Batch fryer with De-Oiling)
Capacity (Kg/h)	400-600	800-1500	400-600	150-250
Driving power (Kw)	18.66	18.66	2.7	5
Heating temperature (°C)	250	250	250	250
Frying time(S)	6-60	10-90	15-45	3-20
Dimension (mm)	15500x8000x2800	17500x8000x2800	4910x1910x2110	4800x2230x2900
Boiler	Hot oil boiler	Hot oil boiler	***	Burner

7) Kurkure machine

General

Kurkure is special extruded snacks, very crunchy and great in taste. They are made by a special extrusion process. The corn grits is moisturized in the flour mixer with water and fed to the rotary head extruder. In the extruder, due to the two rotary plates made of yellow brass, the corn grits are squeezed and twisted to form curls shape. The curls pass through the die and gets cut by the cutting knifes into required lengths.

Features

1. Nik Naks/Cheetos/Kurkure/Corn curls are special extruded snacks, very crunchy and great in taste. They are made by a special extrusion process. The corn grits is moisturized in the flour mixer with water and fed to the Rotary Head Extruder. In the extruder, due to the two rotary plates made of yellow brass, the corn grits are squeezed and twisted to form curls shape. The curls pass through the die and gets cut by the cutting knifes into required lengths.
2. Raw materials: adopts corn grits as raw materials meanwhile mixing with water and oil
3. Products: This line can be used to produce cheetos, kurkure, and nik naks
4. Capacity: 100--150kg/h
5. Machines Materials: All the machines are made by stainless steel

Flow chart

Mixing system---Extrusion system----Baking system (Frying System) ---Flavoring system--
-Packing system

Technical Parameter

Model	Installed power	Real power	Output	Dimension
PVG-EXT76	96KW	62KW/H	120-150KG/H	17000x1100x2500mm



8) Lab twin screw extruder

Features

Lab twin-screw extruder is special for universities, research institutes and large and medium-sized enterprises engaged in various extrusions, extruded maturation, and extruded variability study omnipotent models. It has gone through four generations of improvements to adapt to cereals; potato starch, protein, chemicals, plastics, rubber and other raw materials are vastly different for a variety of experiments. Powerful, easy to operate and simply of parameters adjustment, test data accurate, easy maintenance.

Technical Parameters:

1.	Motor power	5kw	14.	Control mode	Collect control
2.	Motor speed	Frequency control	15.	Range pressure	0-30MPa
3.	Screw diameter	30	16	Precision pressure	1MPa
4.	Screw center distance	26mm	17.	Test point	3
5.	Screw material	38CrMoAl	18	Lubricant mode	Inner cyc
6.	Rotate speed range	0-500rpm	19.	Feed rate	0.18KW
7.	Screw form	Bricks form	20.	Feed control	Frequency control
8.	Pathway rate	11.6/12.7/23	21.	Cutter rate	0.25KW
9.	Rotate speed range	0-550epm	22.	Cutter control	Frequency control
10.	Temperature control	Electric heat and water cooler	23.	Cutter power	0.25kw

11.	Test point	4	24.	Shape	1.8x1.4(m)
12.	Temperature control	Normal ~300 degree	25.	Output	8-12kg/h
13.	Temperature	-1degree----+1 degree			



9) Single screw extruder

General

The single-screw pellet food extruder is designed in bigger capacity for pellet food. It can not only produce the 2d pellet food but also the 3d pellet by using wheat flour, potato starch, potato powder, and cassava starch. Such pellet food can be in various shapes, such as screw, shell, stick, chip, square tube, round tube, bugles, racket, ball, fish, etc. After fried, all these pellets will expand in a few times bigger and very crispy.

Characteristics of single screw extruder

1. Feeding, main driving device, and rotary cutting device adopt inverter to adjust the speed with more powerful drive, stable running, and low consumption.
2. The barrel is allocated with six temperature control and automatic cooling device for accuracy.
3. Hanging mould and knife seat can increase the speed of replacing mould and knife.
4. Double-screw forcibly feeding and photoelectric sensor tracking can feed equally.
5. Pre-conditioner can make better products with high quality.

Technical parameter

Model	PUV/DL G 90	PVG/DLG 130	PVG/DL G 200	PVG/MCJ-II	PVG/MCJ-III	PVG/BS	Vinci Single-screw pellet food extruder
Capacity	60-85 kg/h	100-150 kg/h	200~400 kg/h	60-85 kg/h	110-140 kg/h	70-80 kg/h	250-450kg/h
Installed power	35kw	62kw	126Kw	60kw	94kw	10kw	132.2kw
Power consumption	24kw	43kw	89Kw	42kw	66kw	7kw	96.2kw
Main motor power	22kw	37kw	90Kw	37kw	59kw	7.5kw	90kw

Speed style	Inverter	Inverter	Inverter	Inverter	Inverter	Stable speed	Inverter
Dimension	3450x960x2060 mm	4100x1100x2260 mm	5200x1500x2300 mm	3450x1700x3000 mm	4100x1700x3000 mm	1700x1000x1800 mm	4838x4280x4550 mm
Products	2D pellet/flour food	Pellet food in potato starch, potato powder, cassava starch	2d pellet food in potato starch, potato powder, cassava starch, wheat flour	3D pellet	3D pellet	Dog Chewing food/flour food	2d & 3d pellet food in potato starch, potato powder, cassava starch, wheat flour



PVG-DLG 200 Single Screw extruder



PVG-DLG130 Single screw extruder



PVG-DLG90 Single screw extruder



PVG-MCJ-II Single screw extruder



PVG-BS single Screw Extruder

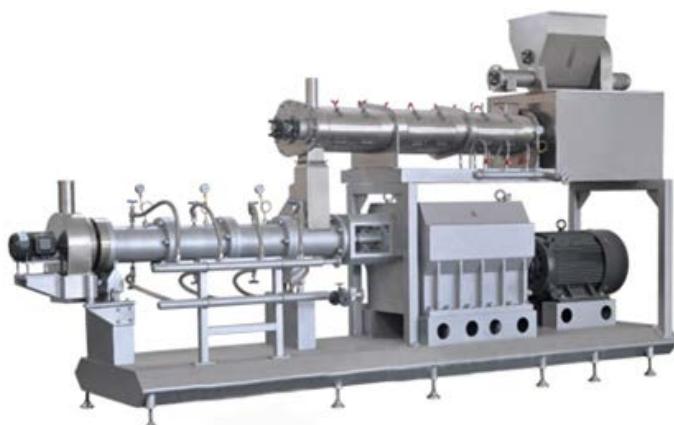
10) Steam twin screw extruder

Features

1. Main driving is high accuracy gearbox and high output
2. High efficiency driving, stable and low noise
3. Fully stainless steel enlarged conditioner ensures good cooking effect.
4. Permanent magnet is available.
5. International advance steam fittings and imported pressure reduction valve
6. It is widely used for pelletizing high rank poultry & Livestock products
7. Floating and sinking fish feed, pet food can be produced with different size and shape.

Technical Parameters

Model	Installed capacity Kw	Consumption Kw/h	Output Kg/h	Size MM
PVG/TSE70-P	45	25-35	250-400	2700X2500X4500
PVG/TSE90-P	82	70-80	800-1200	3900x2500x5000
PVG/TSE95-P	108	90-95	2000-3000	3900x2500x5000
PVG/TSE130-P	280	200-240	3000-4000	5000x6000x8000







Looking forward to the future, our company will take "build the international first-class enterprise, and create world famous brand" as its objective, forge ahead and continuously innovate, and provide perfect solution for global food processing

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