



Jinan Zhuoheng Extrusion Machinery Co., Ltd

Add: No. 21 Daqiao Road, Tianqiao Distric, Jinan City, Shandong Province, China

Tel / WhatsApp: +8613521991288

<https://zhuoheng-extrusion.com/>

Email: avaywang@zhuoheng-extrusion.com

AVA WANG

WhatsApp 联系人



Excellent Quality • Lasting Reputation

Professional Extrusion Machinery Solutions for Global Food & Feed Industry



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ZHUOHENG EXTRUSION MACHINERY



As a national high-tech enterprise integrating R&D, manufacturing and trade, we specialize in extrusion food technology and equipment. With a comprehensive product portfolio, we are recognized as a trusted global leader in extrusion machinery for food and feed processing.

Based in Jinan, our seasoned team of managers, engineers and technicians collaborates with international peers to pioneer cutting-edge processing technologies. This global exchange ensures we deliver reliable, future-proof solutions backed by a robust technical support system.

Guided by our core values - Excellent Quality · Lasting Reputation and Win-Win Cooperation - we engineer tailored solutions aligned with local raw materials, energy conditions and compliance standards. Our precision manufacturing, responsive service and end-to-end after-sales support empower clients worldwide to scale efficiently.

Core Offerings:

- Single/double-screw extruders.
- Turnkey production lines for snack foods, nutritional powders, TVP, bread crumbs, corn flakes and pet food.
- Full auxiliary equipment (drying, frying, flavoring, packaging) for end-to-end processing.

Excellent Quality · Lasting Reputation



We partner with global clients to drive innovation, optimize production and build mutual success.



Jinan Zhuoheng Extrusion Machinery Co., Ltd. |
Leading Global Supplier of Extrusion Solutions





ZH95-I Large Double-screw Extrusion Unit



ZH85-II Double-screw Extrusion Unit

Core Features

- **Modular System Design:** Integrates feeding, extrusion, cutting, heating, transmission and control systems for stable, reliable operation.
- **Variable Frequency Drive(VFD):** Feeding, driving and cutting systems adopt VFD control for stronger power, smoother running and energy savings.
- **Automatic Lubrication:** Reduces mechanical wear, extends service life and lowers maintenance costs.
- **Double-screw Forced Feeding:** Delivers uniform material flow, adaptable to a wide range of raw material characteristics.
- **High-performance Screws:** Made of 38CrMoAl alloy steel with nitriding treatment, offering high strength, wear resistance and long service life.
- **Self-cleaning Screw Structure:** Various length-diameter ratios to meet different process requirements; easy to clean without disassembly.
- **Double-shaft Conditioner:** Improves material ripening, increases output and product quality while reducing energy consumption.
- **Infrared Stainless Steel Heating:** Independent temperature control for each heating zone, ensuring precise thermal regulation.

Technical Parameter

Model	Installed Power	Power Consumption	Main Motor Power	Capacity	Dimension
ZH85-II	110kw	66kw	75kw	300~500kg/h	4800×5000×6000mm
ZH95-I	151kw	90kw	110kw	800~1200kg/h	6200×5000×6000mm



ZH85-II Double-screw Extruder



ZH70-II Double-screw Extruder



ZH65-III Double-screw Extruder

Zh150 Kurkure Extruder

Technical Parameter

Model	Installed power	Power consumption	Main motor power	Capacity	Dimension
ZH150	27.68kw	16kw	22kw	125kg/h	1700×700×2200mm
ZH65-III	35kw	21kw	22kw	120~150kg/h	3000×1100×1950mm
ZH70-II	50kw	30kw	37kw	200~250kg/h	3300×1100×2250mm
ZH85-II	97kw	58kw	75kw	400~500kg/h	3580×1040×2050mm



TXF200 Macaroni Extruder



ZH2000-100 Single-screw Extruder



TXF100 Macaroni Extruder



ZHDG-85 Single-screw Extruder

Core Features

- **Variable Frequency Drive (VFD) System:** Feeding, rotary cutting and main drive all adopt VFD control for stronger power, smoother operation and energy savings.
- **Precision Temperature Control:** 6 independent temperature zones with automatic cooling ensure accurate, reliable thermal regulation.
- **Quick Tool Change:** Hanging mold/knife seat design cuts mold/knife replacement time, boosting production efficiency.
- **Uniform Feeding:** Double-screw forced feeding + photoelectric sensor tracking guarantee consistent material flow and prevent clogging.
- **Optional Pre-conditioner:** Integrated pre-conditioning system improves material ripening for higher-quality end products.

Technical Parameter

Model	Installed power	Power consumption	Main motor power	Capacity	Dimension
TXF300	45kw	35kw	30kw	300kg/h	4500×3500×4500mm
TXF200	31kw	19kw	22kw	200kg/h	3900×2750×4500mm
TXF100	8.85kw	5.5kw	5.5kw	100kg/h	2200×800×1800mm
ZH2000-100	56kw	34kw	30kw	80~120kg/h	3000×850×2100mm
ZHDG-85	60kw	36kw	30kw	85~100kg/h	3500×1100×2300mm



ZHKX-RF Series Dryer



ZHKX-VY-500 Five-Layer Diesel/Gas Oven

Key Selling Points

- **High-Efficiency Heating:** Equipped with high-performance diesel/gas burners for fast temperature rise, low energy consumption, and superior heat efficiency.
- **Uniform Drying:** Integrated hot air circulation system ensures consistent heat distribution throughout the chamber.
- **Precision Control:** Adjustable mesh belt speed + accurate temperature control device for stable, customizable drying results.
- **Smooth Operation:** Double-pitch roller chain & sprocket drive design eliminates dead points, ensuring stable and reliable running.
- **Easy Cleaning & Safety:** Sliding bottom drawer for quick residue removal; prevents dust accumulation and fire hazards.
- **Multi-application:** Ideal for drying non-fried snacks, nutritional powder, bread crumbs, pet food, textured protein, and more.

Technical Parameter

Model	Installed power	Diesel/gas consumption	Heat temperature	Capacity	Dimension
ZHKX-RF-100	22kw	6~20.5m³/h	60℃~120℃	100~300kg/h	6300×2250×4000mm
ZHKX-RF-200	26kw	6~20.5m³/h	60℃~120℃	200~500kg/h	9300×2250×4000mm
ZHKX-RF-300	30kw	6~20.5m³/h	60℃~120℃	300~700kg/h	13300×2250×4000mm
ZHKX-RF-400	35kw	6~20.5m³/h	60℃~120℃	400~1200kg/h	16300×2250×4000mm
ZHKX-VD-300	41kw	----	Room~160℃	120~150kg/h	6100×1400×1800mm
ZHKX-VD-500	63kw	----	Room~160℃	180~240kg/h	6100×1400×2000mm
ZHKX-VY-500	----	6~20.5m³/h	Room~160℃	180~240kg/h	6100×1950×2600mm



ZHKX-VD-500 Five-Layer Electricity Oven



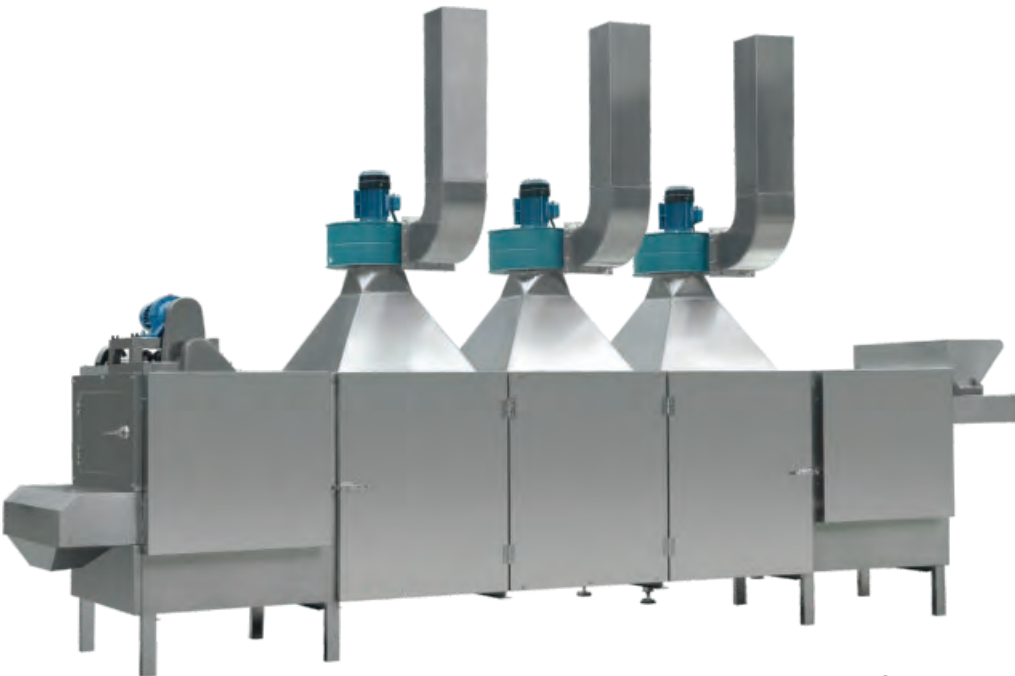
ZHKX-VD-900 Five-Layer Electricity Oven



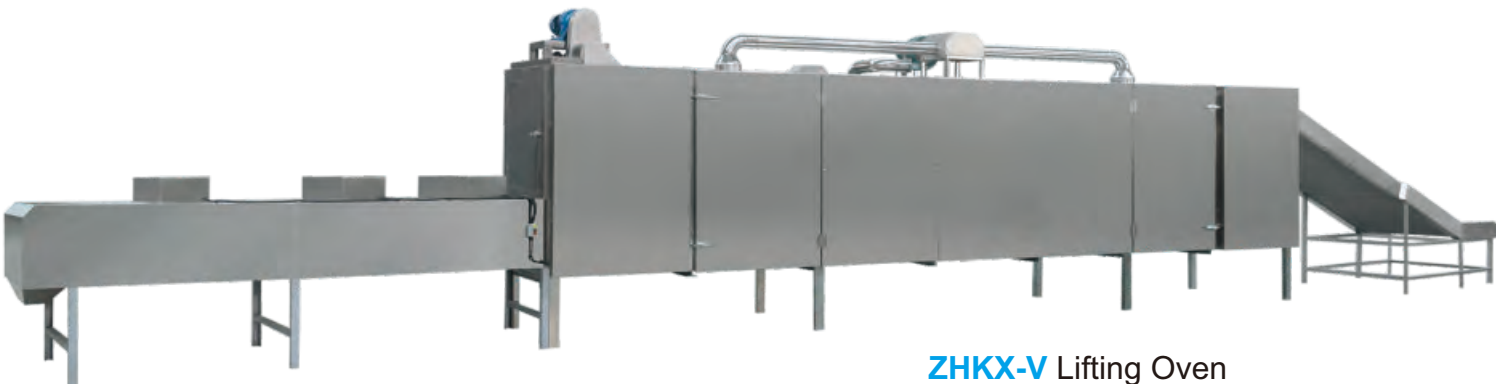
GWL500-D High-temperature Oven



ZHKX-VQ-900 Five-Layer Steam Oven



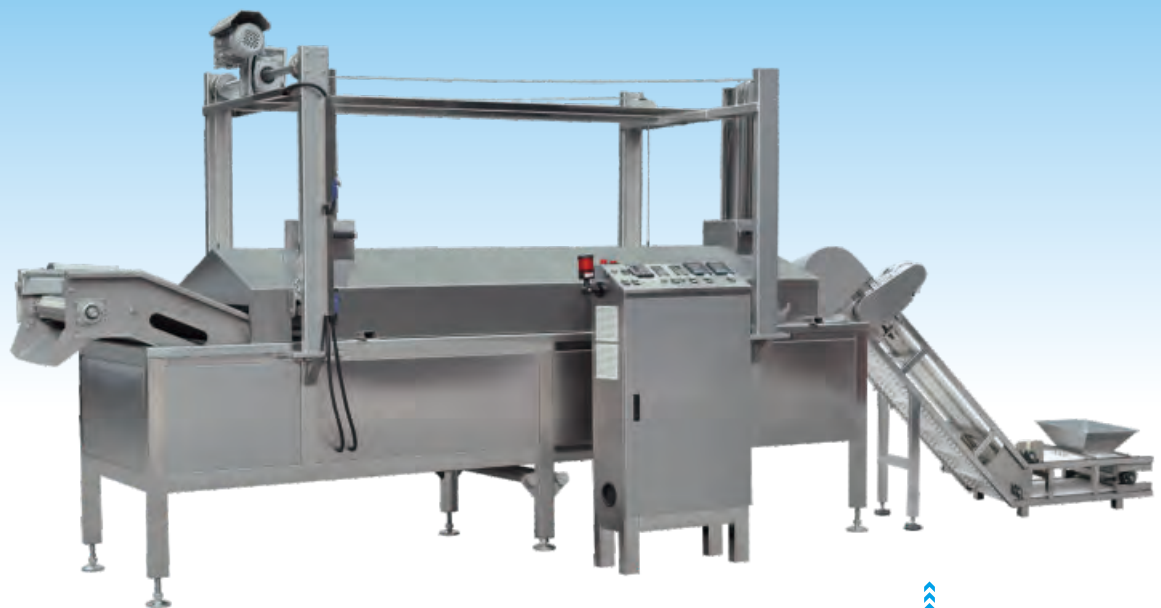
ZH-I Negative Pressure Dehumidifier



ZHKX-V Lifting Oven

Technical Parameter

Model	Installed power	Diesel/gas consumption	Heat temperature	Capacity	Dimension
ZHKX-VD-900	120kw	----	Room~160℃	400~600kg/h	10000×1400×2010mm
ZHKX-VQ-900	11.5kw	300-500kg/h	Room~160℃	400~600kg/h	10000×1400×2010mm
ZHKX-V	78kw	----	Room~160℃	200~400kg/h	7100×1400×2010mm
GWL500-D	110kw	----	180~270℃	300~500kg/h	4650×1300×2250mm
ZH-I	5.25kw	----	----	1000~1200kg/h	6100×1400×3420mm



LXYG-D Continuous Frying Line



Oil Storage Tank



Oil Filter



Vibration Machine

Key Features of Continuous Fryer

- **Efficient Thermal Oil Heating:** Hot oil boiler circulation delivers fast temperature rise and minimal oil temperature fluctuation, ensuring stable frying quality.
- **Dynamic Oil Filtration System:** Removes food residues at any time during production to keep frying oil fresh and prevent oil degradation.
- **Optimized Boiler Design:** Reduces required oil volume while boosting oil turnover rate, cutting operational costs.
- **Easy Maintenance & Uniform Feeding:** Separable boiler and conveyor structure enables quick cleaning; vibration feeder ensures consistent material distribution.
- **Flexible Energy Compatibility:** Works with diesel, gas, coal and other energy sources to fit diverse production setups.

Technical Parameter

Model	Installed power	Diesel/gas consumption	Heat temperature	Capacity	Dimension
ZYG-D	51kw	----	0~250℃	150~250kg/h	4750×2150×2900mm
ZYG-Y	5kw	5.1~10L/h	0~250℃	150~250kg/h	4800×2300×2900mm
LXYG-D	120kw	----	0~250℃	400~600kg/h	5300×1200×2400mm



GTW-D-II Single Drum Flavoring Line



GTG Roller Dryer



PTG Coating Line



GTW-D-I Single Drum Flavoring Line

Technical Parameter

Model	Installed power	Capacity	Dimension	Model	Installed power	Capacity	Dimension
GTW-D-I	4.6kw	150~500kg/h	6000×760×1580mm	PTG	13.8kw	150~500kg/h	2900×1370×1850mm
GTW-D-II	4.97kw	1000~1500kg/h	7500×920×1660mm	GTG	6.5kw	150~500kg/h	2850×760×1700mm



- 1

Double-screw Extrusion Unit
- 2

Vibratory Spreader
- 3

Belt Elevator
- 4

Negative Pressure Dehumidifier
- 5

Belt Elevator
- 6

Five-layer Electric Oven

7

Single-drum Flavoring Line

8

Belt Elevator

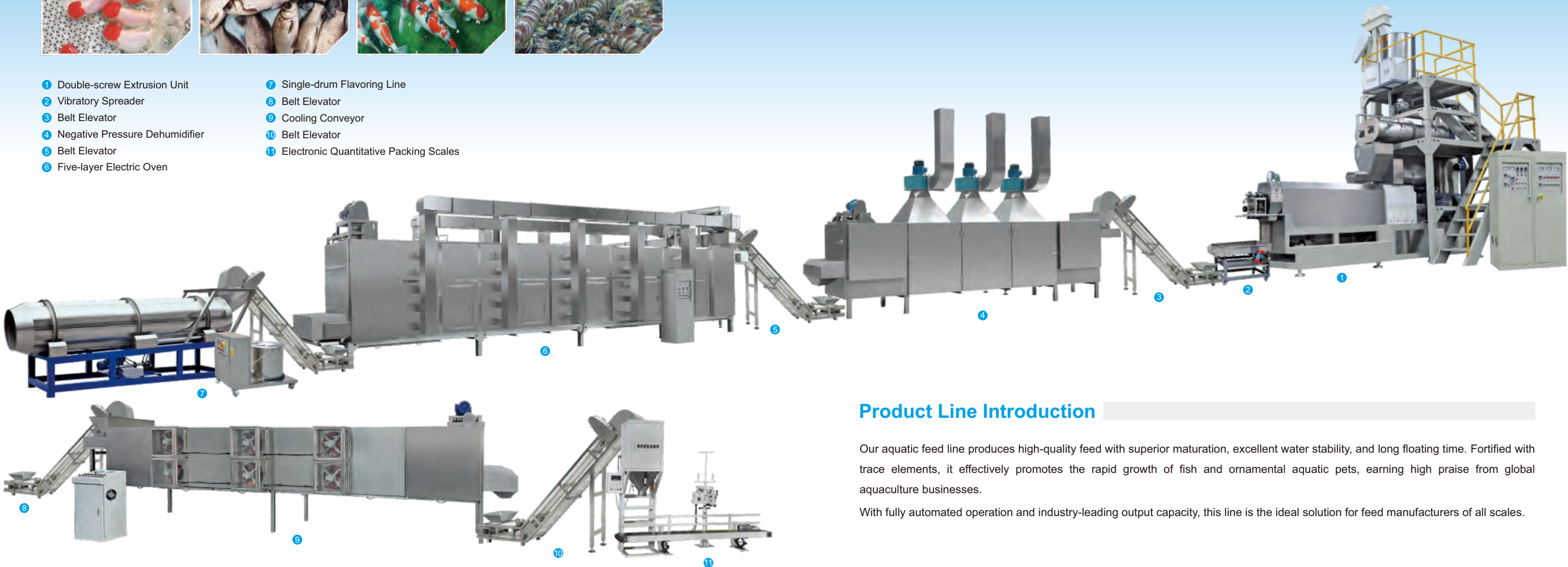
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Cooling Conveyor

10

Belt Elevator

11

Electronic Quantitative Packing Scales

Product Line Introduction

Our aquatic feed line produces high-quality feed with superior maturation, excellent water stability, and long floating time. Fortified with trace elements, it effectively promotes the rapid growth of fish and ornamental aquatic pets, earning high praise from global aquaculture businesses.

With fully automated operation and industry-leading output capacity, this line is the ideal solution for feed manufacturers of all scales.



Process Flow of Production

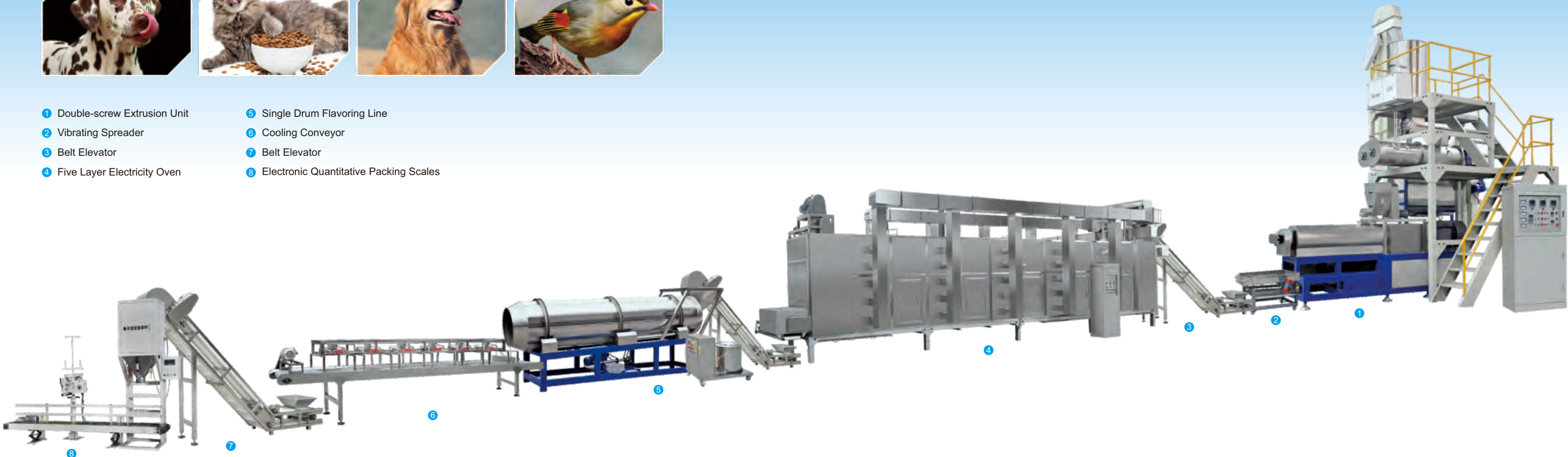


Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH95 Aquatic Feed Processing Line	296kw	177kw	1000~1200kg/h
ZH139 Aquatic Feed Processing Line	586kw	352kw	1500~5000kg/h



- 1 Double-screw Extrusion Unit
- 2 Vibrating Spreader
- 3 Belt Elevator
- 4 Five Layer Electricity Oven
- 5 Single Drum Flavoring Line
- 6 Cooling Conveyor
- 7 Belt Elevator
- 8 Electronic Quantitative Packing Scales



Product Line Introduction

The versatility of extrusion technology unlocks innovative processing solutions. Developed by Zhuoheng to align with global market demands, our pet food processing line uses a rich mix of raw materials—including grain flour, meat meal, fish meal, and soybean meal powder. Featuring unique processing techniques and optimized equipment configuration, it produces pet food, fish feed, and bird feed in diverse shapes and flavors, with excellent digestibility. These products are widely acclaimed in the international pet and aquaculture markets.

Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Pet Food Process Line	112kw	67kw	120~150kg/h
ZH70 Pet Food Process Line	142kw	85kw	200~250kg/h
ZH85 Pet Food Process Line	235kw	141kw	400~500kg/h
ZH95 Pet Food Process Line	296kw	177kw	1000~1200kg/h



Process Flow of Production





- 1

Macaroni Extrusion Unit
- 2

Vibratory Spreader
- 3

Belt Elevator
- 4

Macaroni Dryer
- 5

Cooling Conveyor
- 6

Automatic Packing Line



Product Line Introduction

This processing line uses wheat flour as the core raw material, and produces a wide variety of macaroni and pasta products through a specialized extrusion process—including tube, elbow, spiral, shell shapes and more.

With a complete equipment configuration and advanced production technology, the line delivers high-quality products with excellent texture. It features simple, reliable operation, making it the ideal solution for scalable macaroni and pasta production.

Technical Parameter

Model	Installed power	Power consumption	Capacity
TXF100 Macaroni Process Line	42kw	25kw	100kg/h
TXF200 Macaroni Process Line	88kw	52kw	200kg/h
TXF300 Macaroni Process Line	98kw	58kw	300kg/h
TXF500 Macaroni Process Line	130kw	78kw	500kg/h



Process Flow of Production





Product Line Introduction

This production line adopts advanced extrusion technology, realizing full automation from material mixing, extrusion, shaping, core-filling, cutting, drying, flavoring to cooling. By changing molds, it can produce a wide variety of core-filled rice snacks and puffed food products in diverse shapes.

With outstanding advantages including wide raw material compatibility, easy operation & maintenance, and low energy consumption, this automatic line reaches a leading domestic level in the snack food industry.



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Core-filling Snack Process Line	93kw	56kw	120~150kg/h
ZH70 Core-filling Snack Process Line	130kw	78kw	200~250kg/h

Process Flow of Production



Breakfast Cereal & Corn Flakes Processing Line

Part II Extrusion Food Processing Line

Provide The Most Professional Equipment And Solutions



- 1 Flour Mixer
- 2 Screw Feeder
- 3 Double-screw Extruder
- 4 Vibratory Spreader
- 5 Air Conveyor
- 6 Roller Dryer
- 7 Air Conveyor
- 8 Tablet Press
- 9 Air Conveyor
- 10 Three-layer Electric Oven
- 11 Belt Elevator
- 12 Vibratory Spreader
- 13 High-temperature Oven
- 14 Belt Elevator
- 15 Coating Line
- 16 Lifting Oven

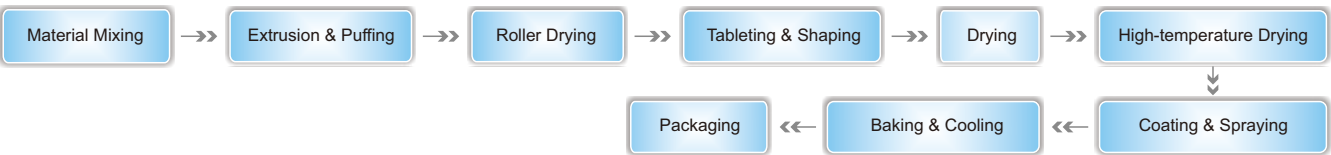
Product Line Introduction

Breakfast cereal is a crispy, nutritious convenience food made from grain-based raw materials. Our processing line produces a wide range of shapes—including granules, flakes, and animal-shaped pieces—ideal for modern breakfast and snacking needs.

Key Advantages

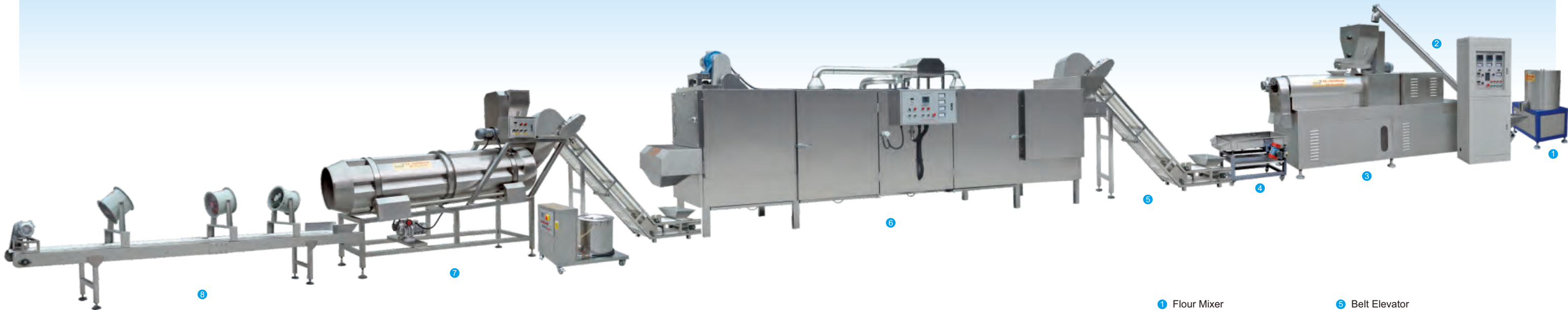
- Rich in complex carbohydrates and dietary fiber.
- Extrusion technology enables fortification with vitamins, minerals, and other trace elements.
- **Flexible formulation:** supports addition of cocoa powder, sugar, honey, maltose, and more.
- **Versatile consumption:** can be eaten directly with coffee, milk, yogurt, or functional drinks, or enjoyed as a crunchy snack by children.

Process Flow of Production



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Breakfast Cereal Process Line	310kw	186kw	120~150kg/h
ZH70 Breakfast Cereal Process Line	348kw	208kw	200~250kg/h
ZH85 Breakfast Cereal Process Line	425kw	255kw	400~500kg/h



- 1

Flour Mixer
- 2

Screw Feeder
- 3

Double-screw Extruder
- 4

Vibratory Spreader

5

Belt Elevator

6

Three-layer Electric Oven

7

Single-drum Flavoring Line

8

Cooling Conveyor

Product Line Introduction

This processing line uses corn flour and wheat flour as core raw materials. Through double-screw extrusion cooking and subsequent precise frying, it produces innovative-shaped leisure snacks with a crispy, delicious taste and fine, smooth texture.

Key Advantages

- Rich in complex carbohydrates and dietary fiber.
- Extrusion technology enables fortification with vitamins, minerals, and other trace elements.
- **Flexible formulation:** supports addition of cocoa powder, sugar, honey, maltose, and more.
- **Versatile consumption:** can be eaten directly with coffee, milk, yogurt, or functional drinks, or enjoyed as a crunchy snack by children.

Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Puff Snack Food Processing Line	89kw	53kw	120~150kg/h
ZH70 Puff Snack Food Processing Line	126kw	75kw	200~250kg/h
ZH85 Puff Snack Food Processing Line	191kw	114kw	400~500kg/h
ZH95 Puff Snack Food Processing Line	289kw	173kw	800~1200kg/h



Process Flow of Production





- 1

Flour Mixer
- 2

Screw Feeder
- 3

Double-screw Extruder
- 4

Pulling & Cutting Machine
- 5

Continuous Frying Machine

6

Oil Filter

7

Oil Storage Tank

8

Vibratory Spreader

9

Single-drum Flavoring Line

10

Cooling Conveyor



Product Line Introduction

This processing line uses corn flour and wheat flour as core raw materials. Through double-screw extrusion cooking and subsequent precise frying, it produces innovative-shaped leisure snacks with a crispy, delicious taste and fine, smooth texture.

Key Advantages

- High degree of product maturation, making nutrients easy to digest and absorb.
- Full automation from material feeding, extrusion, conveying to frying and flavoring.
- Flexible mold changes to produce diverse snack shapes (salad chips, tortilla triangles, bugles, etc.)
- Widely acclaimed in global snack markets for its excellent taste and texture.



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Salad Snack Processing Line	121kw	73kw	120~150kg/h
ZH70 Salad Snack Processing Line	178kw	107kw	200~250kg/h

Process Flow of Production





- 1 Flour Mixer
- 2 Screw Feeder
- 3 Double-screw Extruder
- 4 Vibratory Spreader
- 5 Belt Elevator
- 6 Five-layer Electric Oven
- 7 Cooling Conveyor



Product Line Introduction

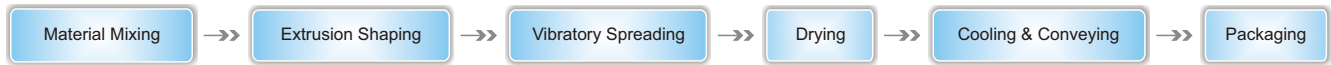
Developed by Zhuoheng based on decades of industry expertise, this textured protein processing line is a cutting-edge extrusion solution designed to meet the booming global demand for plant-based meat alternatives.

Using low-temperature deodorized soybean meal or peanut meal as core raw materials, it produces innovative meat-analogue products with a realistic meat-like texture and satisfying chewiness.

Key Advantages

- High nutritional value, rich in plant protein and fiber.
- Versatile applications: widely used in ham, sausages, canned foods, fast food, frozen ready meals, and more.
- Consistent product quality with stable, automated production.
- Customizable shapes and textures to mimic beef, chicken, pork, and other meat varieties.

Process Flow of Production



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Textured Protein Process Line	117kw	70kw	180~220kg/h
ZH70 Textured Protein Process Line	142kw	85kw	250~320kg/h
ZH85 Textured Protein Process Line	208kw	124kw	450~550kg/h
ZH95 Textured Protein Process Line	287kw	172kw	800~1200kg/h



- 1

Flour Mixer
- 2

Screw Feeder
- 3

Double-screw Extruder
- 4

Vibratory Spreader

5

Belt Elevator

6

Five-layer Electric Oven

7

Belt Elevator

8

Ultrafine Grinder



Product Line Introduction

Built on advanced double-screw extrusion and puffing technology, this line eliminates the inefficiencies, hygiene issues, material waste, and quality inconsistencies of traditional manual stir-frying.

It processes a wide range of grain-based raw materials to produce nutrient-fortified health foods from slimming grain powder to black sesame paste while also enabling flexible production of modified starches for industrial use in textiles, papermaking, oil drilling, and more.



Process Flow of Production



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Nutritional Powder Process Line	100kw	60kw	120~150kg/h
ZH70 Nutritional Powder Process Line	144kw	86kw	200~250kg/h
ZH85 Nutritional Powder Process Line	232kw	139kw	300~500kg/h
ZH95 Nutritional Powder Process Line	370kw	222kw	800~1000kg/h



- 1

Flour Mixer
- 2

Screw Feeder
- 3

Double-screw Extruder
- 4

Bread Crumb Cutting Machine
- 5

Belt Elevator

6

Grinder

7

Screw Feeder

8

Screen Machine

9

Belt Elevator

10

Three-layer Electric Oven

Product Line Introduction(Industrial & Sales-oriented)

As an indispensable auxiliary ingredient in Western food catering, bread crumbs are widely used for fried beefsteak, fried chicken, and other deep-fried dishes. Our independently R&D and domestically proprietary bread crumb production line revolutionizes the traditional manual and semi-automated bread crumb processing model, delivering industry-leading advantages for large-scale production.

Key Advantages

- **Full-automatic Integrated Operation:** Minimizing labor input and operational errors.
- **Cost & Resource Efficiency:** Eliminates material waste throughout the process, significantly reduces production costs, and boosts overall labor productivity.
- **Industry-leading Innovation:** The first-of-its-kind in China, with fully independent intellectual property rights and manufacturing technology.



Process Flow of Production



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH65 Bread Crumb Process Line	98kw	59kw	120~150kg/h
ZH70 Bread Crumb Process Line	136kw	80kw	200~250kg/h
ZH85 Bread Crumb Process Line	202kw	121kw	400~500kg/h
ZH95 Bread Crumb Process Line	191kw	114kw	800~1000kg/h

2D Snack Pellet Double-puff Processing Line



- 1

Flour Mixer
- 2

Screw Feeder
- 3

Single-screw Extruder
- 4

Pulling & Cutting Machine

5

Belt Elevator

6

Dryer

7

Continuous Frying Machine

8

Single-drum Flavoring Line

Pulling cutter

Product Line Introduction(Industrial Sales-focused)

This production line utilizes potato starch and corn starch as core raw materials to produce a wide range of market-popular double-puff snacks in diverse shapes—including pea crisps, shell, spiral, square tube, round tube, and wave patterns.

Key Advantages

- **Unique Processing & Stable Performance:** Features proprietary processing techniques, rational equipment layout, high automation, and consistent operational stability.
- **Integrated Forming Technology:** Integrates steaming, extrusion, and shaping in one step, eliminating the need for an independent boiler, simplifying plant setup and reducing energy costs.
- **Superior Product Quality:** Produces highly realistic, lifelike snack shapes; after frying, the finished products boast a delicate texture and satisfying crispy taste, widely favored by global consumers.



Process Flow of Production



Technical Parameter

Model	Installed power	Power consumption	Capacity
ZH2000-100 2D Pellet Process Line	121kw	72kw	80~120kg/h
ZH2000-85 2D Pellet Process Line	127kw	76kw	85~100kg/h

ZHK-520 Full-automatic Granule Packing Line

Core Advantages

- Equipped with PLC control system and intuitive HMI & touchscreen operation, this line delivers intuitive, efficient, and highly stable operation.
- The servo film feeding system ensures accurate positioning and produces beautiful, tidy packages.
- Full automatic alarm and protection system, minimizing material waste.
- Combined with a metering device, this machine can automatically finish the whole packaging process: measuring, feeding, filling, bag making and date printing.

WFJ Series Ultrafine Grinder

Technical Parameter

Model	Production Capacity	Total Power	Main Shaft Speed	Overall Dimensions	Weight
Model 15	50-200kg/h	16.75kw	5800r/min	4200×1250×2700mm	850kg
Model 20	80-300kg/h	22.15kw	4200r/min	4700×1250×2900mm	850kg
Model 30	100-800kg/h	46kw	3800r/min	6640×1300×3960mm	960kg
Model 60	200-1000kg/h	84.15kw	3200r/min	7500×2300×4530mm	3200kg

Model B Universal Dust-collecting Grinder (Stand-alone)

Technical Parameter

Model	Production Capacity	Grinding Fineness	Crushing Motor Power	Vacuum Motor Power	Aspiration Unit Dimensions
Model 20B	60-150kg/h	20~120mesh	4kw	0.55kw	1600×1100×1650mm
Model 30B	100-300kg/h	20~120mesh	5.5kw	0.75kw	1800×600×1650mm
Model 40B	200-500kg/h	20~120mesh	7.5kw	1.5kw	2050×1600×1700mm
Model 50B	300-800kg/h	20~120mesh	18.5kw	2.2kw	2150×1750×2700mm

ZH-50 Electronic Quantitative Packaging Scales

Core Advantages(Industrial Sales-focused)

- The electronic scale integrates cutting-edge weighing technology, designed for high-precision packaging of granular, flake, and block materials (e.g., snacks, grains, puffed foods).
- Adopts dual-door type vibration feeding, large/small feeding and instant stop of material feeding and other modes, compatible with various materials. Effectively guarantees packaging speed and accuracy for mass production.

S49 Series Three-dimensional Rotary Vibrating Screen

Technical Parameter

Model	Effective Sieving Area	Sieving Mesh Specification	Layers	Vibration Motor Power	Standard Motor Power
S49-600	0.2289m²	2~500mesh	1~4s	0.25kw	0.75kw
S49-800	0.4183m²	2~500mesh	1~4s	0.55kw	1.1kw
S49-1200	0.9499m²	2~500mesh	1~4s	1.1kw	1.5kw
S49-1500	1.5386m²	2~500mesh	1~4s	1.5kw	2.2kw
S49-1800	2.2687m²	2~500mesh	1~3s	4.0kw	3.0kw

GFB Series Granule Square Screen

Technical Parameter

Model	Material Particle Size	Amplitude	Number of Layers	Power	Dimensions
GFP-616	0.25~15mm	1~8mm	1~3s	2×0.25kw	670×1190mm
GFP-620	0.25~15mm	1~8mm	1~3s	2×0.4kw	670×1840mm
GFP-820	0.25~15mm	1~8mm	1~3s	2×0.75kw	800×1835mm

Technical Parameter

Model	ZHK-398	ZHK-520	ZHK-720	ZH-50
Power Specification	3.0Kw/220V, 50Hz	3.5Kw/220V, 50Hz	4.5Kw/220V, 50Hz	1.5Kw/380V, 50Hz
Packing Speed	≤45bag/min	≤45bag/min	≤45bag/min	240bag/h
Pouch Size	W:50-200mm L:100-300mm	W:100-250mm L:100-350mm	W:100-350mm L:100-450mm	Air source: 0.4-0.8Mpa
Packing Weight	10-1000g	10-1000g	10-1000g	25-50kg
Dimension	1400×980×1700mm	1430×1200×1700mm	1780×1350×2000mm	750×1360×2400mm

Intelligent Solutions for Environmentally Friendly Drilling Fluid Additives

ZH Series Twin-Screw Extrusion Production Line



- 1 Double-screw extrusion unit
- 2 Vibrating spreader
- 3 Hoister
- 4 Five layer electricity oven
- 5 Hoister
- 6 Ultrafine grinder



Twin-Screw Extrusion Production Line

High-Performance, Cost-Effective Core Additives for Global Oil & Gas Drilling
Professional Extrusion Equipment & Turnkey Solutions Provider

TO GLOBAL DRILLING PARTNERS

In deep, ultra-deep, and shale gas drilling, drilling fluid performance is critical to safety, efficiency, and cost control. Traditional chemical fluid loss additives are obsolete-plagued by regulatory non-compliance and HT/HS performance degradation.

Zhuoheng's proprietary Twin-Screw Extrusion Line produces environmentally sustainable pre-gelatinized, modified, and salt-resistant starch, replacing traditional additives to deliver cost reduction, efficiency gains, and environmental compliance. We provide end-to-end support, empowering you to control core raw material supply.

Core Value Proposition: Why Choose ZHUOHENG

Solving Global Drilling Industry Pain Points

Industry Challenge	Traditional Limitations	ZHUOHENG Solution
Inadequate Fluid Loss Control	High-temperature failure, wellbore collapse risk	Stable control up to 180°C via dense filter cake
Environmental Compliance Pressure	Non-biodegradable, high fine risk	100% biodegradable, API/OCIMF-aligned
Volatile Costs & Supply Chains	Price fluctuations, quality inconsistency	30-50% cost reduction, in-house production

Technological Superiority

Proprietary Twin-Screw Extrusion: ≥90% gelatinization, outperforming traditional methods
Fully Automated Control: PLC+HMI system, one-button operation, batch-to-batch uniformity
Flexible Production: Single line for drilling additives; reconfigurable for food/feed-grade starch
Energy-Efficient: 20%+ energy reduction vs. traditional processes

Global Support & Service

Customized Design: Tailored to capacity, formulation, and site needs
Formulation Expertise: Mature formulas, custom development available
On-Site Support: Installation, commissioning, and comprehensive training
24/7 Technical Support: Round-the-clock troubleshooting

Workflow & Core Components

Workflow: Raw Material Mixing → Extrusion → Drying → Grinding → Automatic Packaging
Core Components: 1. Mixing System (≥98% uniformity), 2. Twin-Screw Extruder (customized), 3. Drying Oven, 4. Ultrafine Grinder (200-300 mesh), 5. Automatic Control System. 6. Packaging machine

Technical Specifications

Model	Installed Power	Production Capacity	Target Client
ZH65	100kw	80-100kg/h	Regional drilling services, small oilfields
ZH70	144kw	120-160kg/h	Medium drilling enterprises, regional additive plants
ZH85	232kw	220-350kg/h	Large oil companies, global drilling groups
ZH95	370kw	500-600kg/h	Super-major oilfields, international contractors