

COMPREHENSIVE PRODUCT CATALOG

Manufacturer of one-stop cold chain logistics solutions



MANUFACTURER OF ONE-STOP COLD CHAIN LOGISTICS SOLUTIONS

南通博朗冷冻设备有限公司(工厂) Nantong BOLANG Refrgeration Equipment Co.,Ltd (Factory)

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REFRIGERATION

MANUFACTURE

QUICK-FROZEN

FREEZE AND REFRIGERATE

BIOMEDICINE

南通博朗冷冻设备有限公司成立于2012年,是一家集设计、研发、生产、销售、服务于一体的综合性公司,专业生产冷冻冷藏设备;食品速冻加工设备及 热回收设备; 化工冷水机组、尾气回收装置设备, 以及一站式冷链物流的解决方案。

博朗主营:螺杆式冷凝机组,工业冷水机组,活塞、涡旋式冷凝机组,DL、DD、DJ三种系列冷风机,冷凝器,制冰机,隧道速冻设备,冻干机等,广泛 用于食品的加工及储藏、化工、生物制药、电子、船舶、制冰、石化等领域。公司产品不仅遍布全中国,同时还远销到美国、日本以及东南亚等多个国家,先 后为1000多家大型企业、高校实验室提供产品和服务。

公司致力于制冷行业多年,坚持以"技术开拓市场,品质树立形象"为企业发展理念,不断学习尖端的制冷技术,同时结合实际应用经验,从产品的性能、能效、 操控等多方面改进产品的质量,产品获得了CE、ISO9001质量管理体系认证,并得到了用户的高度评价。

博朗将会不遗余力地投身于制冷行业,为人类的美好生活环境,提供更加环保、安全、节能、优质的产品。

COMPANY PROFILE

Established in 2012, Nantong BOLANG Refrigeration Equipment Co., Ltd. is a comprehensive company integrating design, research and development, production, sales and service, specializing in the production of freezing and refrigerating equipment; food quick-freezing processing equipment and heat recovery equipment; chemical chiller unit, exhaust gas recovery device equipment, and one-stop cold chain logistics solutions.

BOLANG's main business: screw condensing units, industrial chiller units, piston and scroll condensing units, DL, DD, DJ three series of chillers, condensers, ice machines, tunnel freezing equipment, freeze dryers, etc., which are widely used in food processing and storage, foodstuff processing, food stuff processing and heat recovery equipment, chemical chiller and exhaust gas recovery device equipment, as well as one-stop cold chain logistics solutions. They are widely used in the fields of food processing and storage, chemical industry, biopharmaceuticals, electronics, shipbuilding, ice-making, petrochemicals and so on. The company's products are not only distributed throughout China, but also exported to the United States, Japan and Southeast Asia and other countries, and have been used for more than 1,000 large enterprises, colleges and universities. We have provided products and services for more than 1,000 large-scale enterprises and laboratories in universities and colleges.

The company is committed to the refrigeration industry for many years, adhere to the "technology to develop the market, the quality of the establishment of the image" for the development of the enterprise philosophy, and constantly learn the cutting-edge refrigeration technology, while combining the practical application of experience, from the product performance, energy efficiency, At the same time, with the practical application experience, we improve the quality of our products from the aspects of performance, energy efficiency, control, etc. Our products have obtained the CE. ISO9001 quality management system certification and have been highly evaluated by the users.

BOLANG will spare no effort to devote itself to the refrigeration industry and provide more environmentally friendly, safe, energy-saving and high-quality products for the better living environment of human beings.



INDUSTRIAL REFRIGERATION

COLD CHAIN LOGISTICS

Industrial chiller

FOOD PROCESSING

IQF FREEZING

LIVESTOCK AND POULTRY SLAUGHTERING AND PROCESSING

LOW TEMPERATURE TEST

CENTRAL KITCHEN

COURSE 历程篇

MILESTONES



2014-2017

The product coverage is getting wider and wider, including scroll units, piston units, screw compression condensing units, low and compression condensing units, low and medium-sized condensing units.piston units, screw compression condensing units, low and mediumtemperature screw chiller units, full-liquid-carrier chiller unitssingle-unit bipolar units, cascade units, etc., and has been awarded the honorary title of "The best chiller in the world" byGermany BITZER, America Carrier, Italy FujiBITZER (Germany), CARRIER (USA), FUJI (Italy), HANZHONG (Taiwan), etc. (Taiwan), etc.

2019

National High-tech Enterprise

2008

In 2008, Nantong Guangzhengtong Cooling and Heating Equipment Co., Ltd. was established, the main business is the installation of refrigeration equipment, and then the business was expanded to the production of equipment, namely Bolang.

2012

Established BOLANG factory, passed ISO9001 quality management system certification

2018

Acquisition of the National Industrial Products Production License

2013

2009-2011

Main business: (Shanghai Maritime University) ShipRefrigeration Teaching Laboratory, (Shanghai Zhangjiang Pharmaceutical Valley)Biological specimen laboratory; electronic constant temperature and humidity carroom; pharmaceutical cold storage; industrialized mushroom raising temperature-variable storageroom; seafood, meat quick-frozen and storage warehouse; waterfruits and vegetables; brine ice-making equipment and Engineering; industrial plant refrigeration engineering

Launched the double-machine mating unit.Mainly used in freezers

博朗 BOLANG

2023

Self-built national refrigeration laboratory, design andR & D team has refrigeration masters, doctorsThe production scale is expanding, and the product lineproduct line continues to extend to the application

2019-2023

Cora

Domestic sales and service outlets cover more than 80% of the country's provinces and municipalities, and set up three offices (South, Southwest and Northwest China). South, Southwest, Northwest), international trade has involved in EastSouth Asia, Japan, Russia and other regions.

APTITUDECHAPTER

QUALIFICATION CERTIFICATE















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PATENT CERTIFICATE



合作伙伴 The Company Partners





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博朗 BOLANG

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Project Cases

Project Cases







- It adopts a box-type integral structure, which is compact, and is internally lined with sound insulation cotton for super quietness.
- The compressor adopts fixed frequency and variable frequency compressors of well-known brands such as "Danfoss", "Hitachi", and "Bitzer", with good quality and reliable operation.
- Use high-efficiency copper tube and aluminum fin type heat exchanger, with high heat exchange efficiency and long service life.
- The unit adopts internal/external rotor condensing fan, with low operating noise, large air volume and fashion appearance.
- The unit is equipped with electrical control components that have functions such as phase sequence (phase loss), overload, frequent compressor start, and system high/low voltage protection. It is easy
- and flexible to install, with low requirements for the installation site.

Unit Configuration Instructions

Compressor, Liquid supply solenoid valve, High efficiency air cooled condenser unit shell, High and low pressure controller filter dryer, Liquid reservoir, Supply Liquid/air return valve, Oil separator (part), Frequency conversion control cabinet.

Can be customized according to your requirements

Evaporating Temperature:

High(+15°C~0°C) ,Medium(-5°C~-30°C) ,Low(-25~-40°C),Ultra Low(<-50°C) .

Product Introduction

- Box-type overall structure, compact structure, small product size, beautiful appearance;
- guality and reliable operation;
- appearance:
- The installation is convenient and flexible, and the requirements for the site are not high.

Unit Configuration Instructions

Piston compressor, High efficiency air cooled condenser, Unit shell, Liquid reservoir, Liquid supply/return valve, High and low pressure controller, Filter dryer, Oil separator, Solenoid valve for liquid supply.

Evaporating Temperature:

-5~-30°C Condensation temperature :+45°~+50 °C Unit capacity :15-50HP

Scopeofapplication:smallandmediumlowtemperaturecoldstorage,fresh storage,aciddischargeroom,etc



• The main engine adopts "Bitzer", "Frascold" and other semi-closed piston compressors, which have good

 The use of copper tube and aluminum sheet heat exchanger, high heat exchange efficiency, long service life; • The unit adopts external rotor condensing fan, which has low running noise, large air volume and beautiful

• The unit is equipped with electrical control elements, with phase sequence (lack of phase, overload, system high and low pressure protection, photoelectric oil pressure differential protection and other functions;



- Multi-head parallel structure, compact structure, smooth operation;
- The host adopts "Bitzer", "Hanbell", "Carrier" and other semi-closed screw compressors, which have good quality and reliable operation;
- The screw machine has stable performance, large cooling capacity and long service life; Match ad-vanced and highly reliable intelligent control system and control technology;
- The unit adopts electronic oil level controller to ensure the stability of each compressor oil level; The
- unit adopts parallel unit controller as a whole control, with phase sequence, overload, system high and
- low pressure protection, electronic oil level regulation protection and other functions; Automatically • match the load change, adjust the number of boot, convenient, energy saving;

Unit Configuration Instructions

Rod compressor, Oil reservoir, Oil level controller, Oil separator, High and low pressure controller, Filter dryer、Reservoir、Liquid supply/return Gas/exhaust valve、Unit control cabinet.

Can be Customized according to your requirements

EvaporatingTemperature:

High(+15°C~0°C), Medium(5°C~-30°C), Low(-25~-40°C), Ultra Low(<60°C).

Product Introduction

- Multi-head parallel structure, compact structure, small size, good appearance;
- and reliable operation;
- The use of high efficiency oil separator, high oil separation efficiency;
- The unit adopts electronic oil level controller to ensure the stability of each compressor oil level.
- The unit adopts PLC overall control, with phase sequence, overload, system high and low pressure protection, photoelectric oil oil level adjustment protection and other functions;
- Automatically match the load change, adjust the number of boot, convenient, energy saving.

Unit Configuration Instructions

Piston compressor, Oil level controller, Oil separator, High and low pressure controller, Filter dryer, liquid supply/return/exhaust valve Liquid reservoir, Unit control cabinet, Oil reservoir.

Evaporation temperature :-5~-30°C Condensation temperature :+45°C Unit capacity: 40-200HP -5 ~-30°C Condensing temperature :+45°C Unit capacity :40-200HP

Scope of application: small and medium low temperature cold storage, fresh storage, acid discharge room, etc



• The main machine adopts "Bitzer" and other semi-closed scroll compressor, which has good quality



- Reduce the compression ratio of single-stage compressor and improve the energy efficiency ratio of the system;
- The parallel unit provides multi-level energy regulation, and the cooling output dynamically matches the actual load.
- Each compressor in the unit is alternate to each other to ensure the reliable operation of the system. The host adopts "Fusheng", "Hanzhong" and other semi-closed twin-screw compressors, which have good guality and reliable operation;
- Use high efficiency centrifugal + filter type high efficiency oil separator to minimize oil entry into the system;
- The unit adopts differential pressure oil supply or pump forced oil supply mode to ensure that each compressor can get sufficient lubricating oil supply under any working condition;
- The unit adopts PLC whole system intelligent control, with phase sequence, overload, high and low pressure, oil level, oil flow, oil pressure difference and other protection functions; Compact structure, highly integrated design concept, greatly save the room area.

Unit Configuration Instructions

Screw compressor, Oil separator, Reservoir, Suction filter, Liquid pipe filter, Gas-liquid separator, Oil cooler, Sight glass, High and low pressureController, Oil circuit assembly, Condenser (only for water cooling unit), Economy unit assembly spray valve, Pressure gauge, PLC control cabinet.

Can be Customized according to your requirements

EvaporatingTemperature:

High(+15°C~0°C), Medium(-5°C~-30°C), Low(-25~-40°C), Ultra Low(<-50°C).

Product Introduction

- is about 25-30% higher than that of the direct expansion.
- in the system can be overcome to achieve long distance liquid supply.
- not need regular adjustment work.
- to operate. The above defrosting method is beneficial. Using the condensing heat source of other refrigeration rooms to provide a cold source for the defrosting room is economical and energy-saving.
- Compared with the electric defrosting, the energy saving is more than 80%.

Unit Configuration Instructions

Horizontal fluorine pump, low pressure barrel, level sensor, electric valve, oil return system, solenoid valve, magnetic flap level gauge.

Refrigerated temperature: θ-10°C, freezing temperature -25°C~-30°C, quick-freezing temperature -38°C ~42°C, condensation temperature -35°C



• The heat transfer efficiency of the evaporator is improved, and the liquid supply efficiency of the pump

• Ensure long distance liquid supply: Using the mechanical action of the pump, part of the resistance loss

• The operation of the system is simple and reliable: in the case of no large fluctuations in the heat load of the warehouse and stable liquid level of the barrel pump, the pump can be maintained regular operation, do

• In the freon system, the operation of hot fluorine frost is simple: when defrosting, the remaining liquid in the evaporator is discharged to the low pressure circulation barrel, After the frost is finished, the pump can be opened to restore the liquid supply of the evaporator. Restore normal librar y temperature fast, easy



According to the applicable temperature, it is divided into DL, DD, DJ three series, which can be applied to different library temperatures, DL type chiller is mainly applied to about 0°C. DD type chiller is mainly suitable for -18°C cold storage, DJ type chiller is mainly suitable for -25 "C below the cold storage. Be suitable forLarge cold storage.

Product Introduction

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- Designed for refrigeration, freezing and fresh-keeping, extending the storage cycle of products and ensuring product quality to the maximum extent;
- Compact shape structure, does not occupy cold storage area;
 Copper pipe, aluminum pipe, stainless steel using mechanical expansion tube, so that the fins closely
- Copper pipe, and minimipipe, summers steer using meeting incention expansion (abe, so that the first closely fit, to ensure efficient heat transfer effect;
 The coil is tested for air tightness under 2.8MPa to ensure that the product has high air tightness quality characteristics when leaving the factory;
- Motor: conventional screen ink type, outer rotor wind cylinder type, outer rotor surface plate, inner rotor axial flow;
- The length of the stainless steel heating wire is much longer than the length of the coil core, so that the frost accumulation of the elbow at both ends is less;
- The optimum scheme of the separator component is selected through theoretical calculation and practical test to make the scoring liquid uniform to the maximum extent.
- The use of electric defrosting type cooler, with aluminum plate at the bottom, to improve the forced heat transfer effect;
- Heating wire and aluminum plate in close contact with the well heating, making the water pan defrosting more uniform:
- The shell can be made of high quality steel plate, aluminum plate, 304 stainless steel plate, food grade plastic spraying process, easy to clean;
 Defrosting method: convenient and fast electric defrosting, energy-saving and environmental protection water defrosting, efficient intelligent hot fluorine defrosting;

Can be Customized according to your requirements

SCOPE OF APPLICATION 适用范围

industrial chiller

(chemical, biopharmaceutical, electronics, Marine, ice making, etc.)









- A. Independent refrigeration system design: The multi-head unit refrigeration system is relatively independent and does not interfere with each other.
- B. Unit energy regulation: Each refrigeration system compressor starts at the minimum load (25%) with a star-delta reduction start. The dual-unit refrigeration system compressor starts at the minimum load (12.5%) with a star-delta reduction start, effectively reducing the starting current and impact on the power grid.
- C. Waste heat recovery technology: By adding patented heat collector technology to the equipment, it can provide 40°C-60°C domestic hot water. According to different water source requirements, the highest recovery efficiency can reach more than 70%, which saves comprehensive energy.
- D. Free cooling technology: Combines traditional cooling capabilities with the ability to utilize the cool outdoor air for cooling purposes, reducing energy consumption and increasing efficiency.
- E. Reliable winter operation mode: According to the special characteristics of the operation of the medium and low temperature refrigeration host, a control mode of cooling water pump frequency conversion and fan frequency conversion is provided for winter start-up, winter operation, and transition season operation. This ensures the safe and reliable operation of the equipment and energy-saving operation, or adopts an evaporative condenser, which saves energy and solves the problem of winter operation.

Configurations:

Screw compressor, air condenser, dry cooler, oil cooler, oil separator, storage tank, vapor-liquid separator, high and low pressure controller, filter dryer, PLC control cabinet, supply/return/exhaust valves

Can be Customized according to your requirements

Applicable Range

Various places with demand for medium and low temperature cooling sources, such as the production processes of industries including medicine, chemical engineering, metallurgy, electronics, food, etc., can also serve as the main refrigeration unit for large cold storage and ice rinks.

Evaporating Temperature:

H High(+15℃~0℃), M Medium(-5℃~-30℃), L Low(-25~-40℃), D Ultra Low(<-50℃).





- Independent refrigeration system design: multi-head unit refrigeration system is relatively independent, non-interference;
- Unit energy regulation: Each refrigeration system compressor under the minimum load (25%), the star triangle buck start, the double unit refrigeration system compressor in the minimum. Under the load (12.5%), the star triangle depressurized starting, effectively reducing the starting current and the impact on the power grid;
- Heat recovery technology for waste heat utilization: Through the patented heat collector technology installed on the equipment, domestic hot water can be provided at 40 ° C ~60 ° C, according to different water requirements, the highest recovery efficiency of more than 70%, saving comprehensive energy.
- Reliable winter operation mode: According to the particularity of medium and low temperature refrigeration host operation, cold is provided for winter start-up, winter operation and transition season operationHowever, the control mode of pump frequency conversion and fan frequency conversion ensures the safe, reliable and energy-saving operation of the equipment or the use of evaporative condenser, which saves energy. And solved the winter operation problem.

Unit Configuration Instructions

Screw compressor、Oil cooler、Oil separato、Liquid reservoir、Vapor-liquid separator, High and low pressure controller、Filter dryer、PLC control cabinet、Liquid supply/return/exhaust valve.

Can be Customized according to your requirements

Scope of application:

Medium and low temperature cold source demand places, such as medicine, chemical, metallurgy, electronics, food and other industries of the production process, can also be used as a large cold storage, ice rink cold source host.

Refrigerated temperature:

H high temperature (15 $^{\circ}$ C ~ + 0 $^{\circ}$ C) M medium temperature (5 $^{\circ}$ C ~ 30 $^{\circ}$ C) L cryogenic temperature $(25 \sim 40 \degree C)$ D ultra low temperature (< - 50 $\degree C)$

Product Introduction

- changes and reduce power grid impact;

 Unit height skid integrated design, easy to install on site, to avoid the uncertainty of installation on site; **Evaporation temperature:** -45°C~-80°C, refrigerant R23;





 R507/ R23 cascade refrigeration system, all natural working medium, green environmental-friendly protection; Refrigerant R507 is limited to the machine room, and the injection amount is very low, safe and stable; • Screw compressor adopts stepless frequency conversion technology to easily cope with system load







Air-cooled condenser is used in freon refrigeration equipment, which is a heat dissipation equipment that uses air for forced convection cooling. It is used in unit prodiDetsigned for commercial refrigeration and air conditioning equipment.

Product Introduction

- The shell adopts high quality steel plate, high standard spraying process, easy to clean, corrosion
- resistant, beautiful appearance;
- Coil copper pipe adopts staggered arrangement to optimize heat transfer design;
- Using mechanical expansion tube, the copper tube and the fin are closely fitted to ensure good heat transfer effect;
- The system has passed the 28MPa air tightness test, and the implementation of high standard technology blow down and drying treatment;
- Applicable to R22, R134a, R404A, R407C and other refrigerants;
- Can be widely used in various forms of refrigeration equipment;
- Optional low noise motor, EC motor, please consult our sales office for details.



Product Introduction

- cooling, special needs can be customized;
- refrigeration unit and cooling tower.
- meeting the requirements of container transportation.

Unit Configuration Instructions

Including compressor, Ondenser, Eservoir, Oil, Gas, Electric control box and other equipment.

Main uses:

Daily consumption, frozen drinks, mixed drinks, iced food, vegetable preservation, chemical processes, civil engineering and other places that need ice.



• Large split tube ice machine: daily output of 10-30 tons, the cooling method is mainly water

• The large tube ice machine adopts modular design, which is divided into three parts: evaporator,

• Evaporator: Using vertical shell and tube device, stainless steel heat exchange tube through the upper and lower tube plates, top and bottom each has a water tank, Tube ice machine evaporator; Higher, the • evaporator can be partially lying down during transportation, and installed after being erected on site,







- DK100 daily output of 10 tons of direct cooling block ice machine/Bitzer compressor/water cooling (can be customized according to customer needs);
- Direct cooling block ice machine: a new type of ice machine in which the refrigerant evaporates in the evaporator and the ice is made by direct cooling water through the evaporator;
- The main components include refrigeration system, lifting device, control system;
- The evaporator is made of aluminum plate, the refrigerant flows inside the aluminum plate, and the external heat is directly exchanged with water to make ice.

Product Advantage

- Compact structure, small size, small footprint;
- Small heat transfer temperature difference. More energy saving during the same ice-making period;
- Small heat transfer temperature difference, more energy saving in the same ice-making cycle;
- Simple operation and maintenance of production operations and equipment. Simple operation and maintenance of production operations and equipment;

It is pollution-free to the environment and ice, and can make edible ice that is pollution-free to the environment and ice and edible ice;

Product Introduction

- Refrigeration unit: the use of world brand compressors: Bitzer, Raifukang, valley wheel, Hanzhong, etc., ice making speed; Sheet ice: the flat sheet ice has a dry texture and smooth surface, which can protect the packaged food during the refrigerated packaging process;
- The huge surface area of the sheet ice ensures sufficient contact with the refrigerated material, rapidly reducing the temperature of the refrigerated material, and the melting water is also OKWet the surface of refrigerated items to reduce dry consumption;
- Microcomputer intelligent control: microcomputer control, one-key operation fully automatic operation. Water shortage, inversion, ice full and high and low pressure alarmInformation will be displayed on the screen;
- spiral skate blade: low resistance, low loss, no noise, uniform ice production.



• Effectively prevent abnormal operation and reduce the rate of machine damage; Evaporator: The use of fixed and static vertical design, that is, internal scraping ice, the evaporator does not move, the skate blade in the inner wall rotating scraping ice. This kind of The design reduces wear, has high sealing, and effectively prevents the leakage of refrigerant. The high quality 304 stainless steel material is usedAutomatic welding technology, improve its strength and accuracy;Rolling



Product Characteristics

Spiral quick-freezing machine is mainly composed of thermal insulation structure, stainless steel mesh belt, transmission system, tightening device, evaporator, wind circulation system, cleaning and drying device, feeding device, the discharging device and the electrical control system .

Structural Characteristics

- The insulation structure is composed of stainless steel metal insulation board, and the inner panel of the inner polyurethane filled foam bottom plate is made of 3mm thick stainless steel plate, which does not cause steel continuous port connection. No water seepage, no settlement;
- The conveyor belt is made of SUS304 stainless steel, the use of high strength stainless steel special elastic wire, both ends of the special cap welding, the operation is more stable than hot melt forming reliable, longer service life;
- Each rotating cage of the spiral freezer is driven by a reducer, which adopts the international brand transmission and is stable and reliable, and the super sealing performance can ensure it long-term stable operation in low mixing and lake wet environment;
- Evaporator made of industrial aluminum alloy material, large diameter alloy aluminum tube, high flanging large stretch super plate, high tube density, good heat transfer performance;
- Control system : The electrical control cabinet is made of SUS304 stainless steel and can be configured with relay, PLC or touch screen control according to different requirements;
- The screw mechanism of the safety device is equipped with a number of fault monitoring points and alarm devices, which can protect the long-distance mechanism to the greatest extent and prompt customers to deal with the fault.

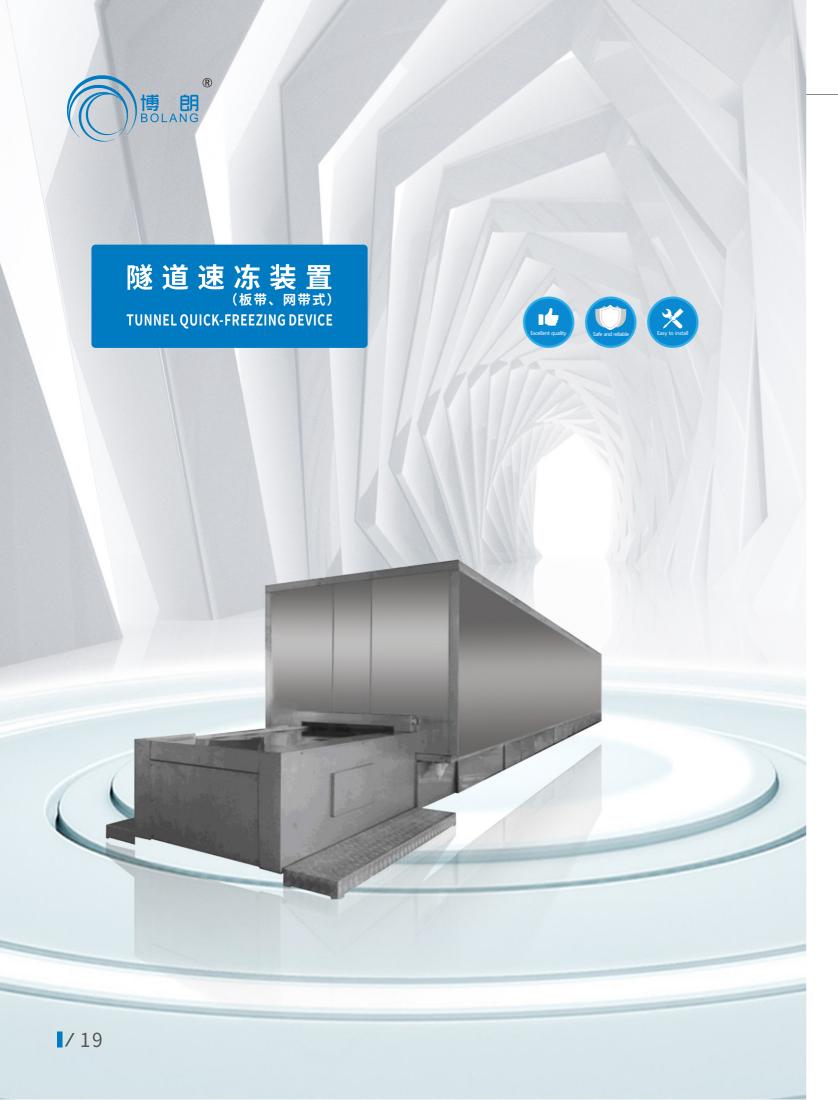
Can be customized according to your requirements











Product Characteristics

- after thawing;
- of frozen products to a minimum;
- Short freezing time, not only to maintain the freshness of food, and provide a good freezing efficiency;
- The freezing efficiency is higher than that of the ordinary tunnel quick-freezing machine, so the processing cost is significantly reduced;
- are smaller;





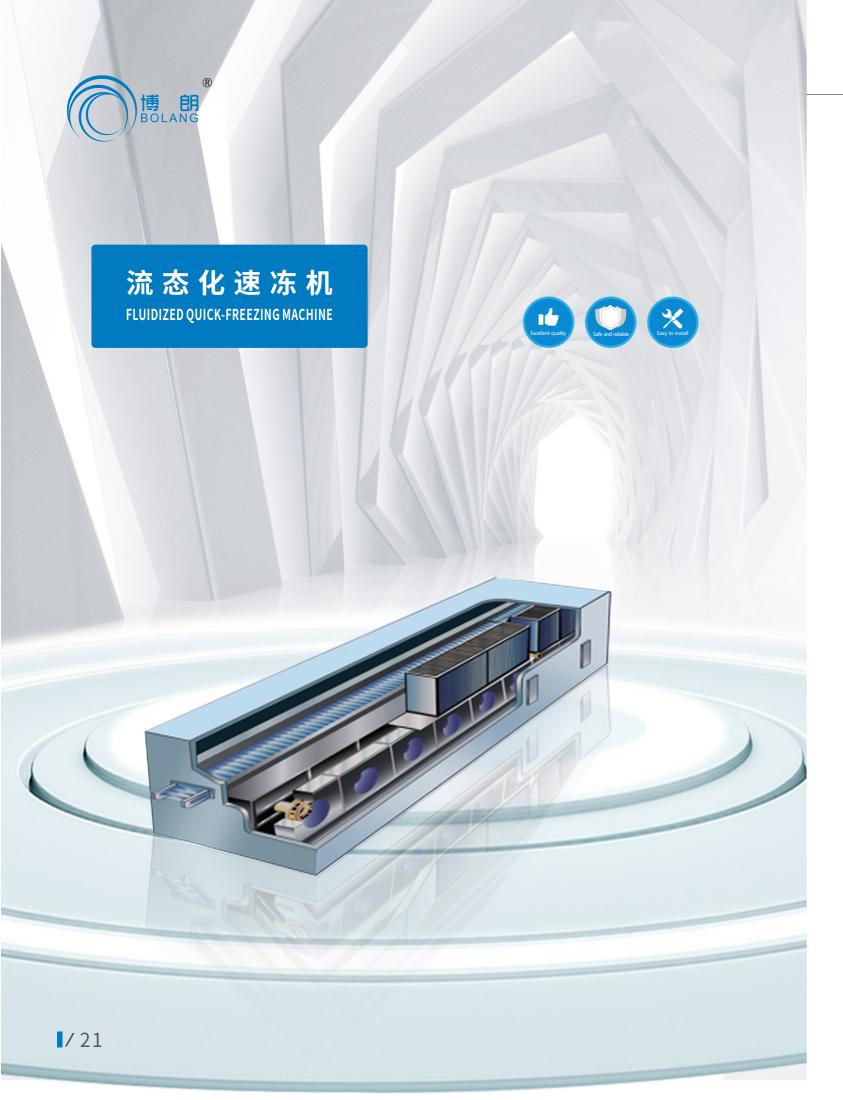


• Rapid freezing does not produce large ice crystals, as far as possible to maintain the quality of food, fresh

• The surface of the food quickly hardens the crust, locks in the internal water, and reduces the dry consumption

• Shortening the freezing time can reduce the overall device volume, so that the equipment space requirements





Fluidized quick-freezing machine, using stainless steel mesh belt (plastic mesh belt), in the operation process, food particles are blown by vertical high speed air, forming a semi-suspendedFloating state (semi-fluid quick -freezing) or full suspension state (full fluid quick-freezing), the suspended food particles are surrounded by low temperature air field and are quickly frozen; At the same time, losingUnder or on the side of the conveyor belt, mechanical vibration or air pulse vibration device is designed, and the food particles are separated by vibration when the surface is frozen, and effectively avoided mutual adhesion. The rational design and configuration of the fluidized quick-freezing machine can improve the operating efficiency of the machine and reduce the production cost of the customer.

Performance Characteristics

- temperature air flow under the mesh belt;
- is quickly transferred;
- Food particles are blown by high-speed air flow, forming a suspended state, or semi-suspended state;
- freezes, thus locking in the internal water and minimizing the dry consumption of the product.









• Low noise centrifugal fan, efficient air deflecting, producing vertical rising high speed, high pressure, low

• The circulating air duct formed by evaporator, fan, fluidized bed, wind guide structure, etc., the heat of food

• In the feed section, the food particles are surrounded by low temperature airflow and the surface quickly







System Characteristics

- and operation, low cost. Later maintenance is simple, the equipment is clean and hygienic.
- Heat medium system: The heat medium circulating pump is made of German Wille or Kaiquan products, and the operation is stable. The thermal medium uses distilled water/softened water, low operating cost, no pollution products, and achieve pressurized ultra-boiling point high temperature operation.

- alarm function. Instructions are delivered accurately a result. area, Prepare for freezing time.
- categories the method of cooling.









• Vacuum system: vacuum pump, low power, high efficiency, low energy consumption, high reliability of production

• Rail transportation system: The U-shaped hanger is used to fix the guide rail, and the material car is light and stable. • All stainless steel materials and aluminum alloy materials are used. Does not corrode, No pollution, long service life. • Control system: Intelligent PLC control and manual control combined control method. With self-monitoring fault

Freezing storage system: The storage body is designed with stainless steel plate on the inside and color steel plate on the outside. Polyurethane cool insulation thickness 150mm. According to customer requirements, design cooling

• Auxiliary refrigeration system: refrigeration unit is an important auxiliary equipment in FD freeze-drying system. • According to customer requirements, the company does not support manufacturers, different models, different

CASESTUDY

案例篇

Production and Processing Series >>>

Thailand Durian Fruit Meat Program

Durian Fruit Meat Freezing Storage temperature 20°C Output temperature -18°C



Durian Flesh Peel Sorting Production15℃-20℃

Inner Mongolia organic coloring materials frozen storage





Storage capacity 1000 tons Storage temperature -20°C

Strawberry Slices Freeze Dried Production Capacty 400 kilograms per day



Frozen dumpling production line





Thailand Durian Fruit Meat Storage Warehouse-22°C~-25°C

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Quick-freezing capacity 100 tons Quick-freezing temperature -30°C.



Logistics Cold Chain >>>

Shanghai Shunkai Logistics Cold storage size: 11,000 m²



Fruit sorting operation area 3700 m^a (2°C~15°C)



6,000 square meters of low-temperature storage with a storage height of 8.7 meters (-20°C)

Pharmaceutical projects >>>

China Resources Suzhou Project Cold storage size: 10000 m³



Ice cream freezer water 500 m³ Vault height 8.7 m (-25°C)





Suzhong Farmers' Market





One through-house (2°C to 5°C)

▲ 10000m³ storage Storage temperature -18℃.

Four cold rooms (2°C~5°C)







Ultra-low temperature stacking laboratory project >>>







Operating Temperature -60°C-+20°C





