



创新 品质
实干 共赢

公司简介
COMPANY PROFILE

无锡市永捷自动化设备有限公司最早成立于2003年，坐落于风光旖旎的太湖之滨江苏省无锡市，是国内最早从事干冰机系列产品研发、生产和销售的专业工厂。10多年来“永捷”品牌系列产品凭借科技含量高、综合能耗低、维护成本低、运行稳定、操作简便和一流的售后服务等优势，市场占有率高居国内行业榜首。“永捷”品牌设备和产品常年出口全球20多个国家和地区，受到国外客户和专家的普遍赞誉。

无锡永捷公司秉承“科研创新、节能环保”的经营理念，引进国外先进技术，为国内外客户量身定制，提供性能卓越、稳定可靠的技术装备。无锡永捷公司愿与新老朋友们携手，继续推广干冰在食品冷藏保鲜、冷链运输和干冰清洗、干冰去毛刺等多领域的应用，特别是在轮胎工业、橡胶压铸、汽车部件生产、航空航天、机械装备制造、模具行业、印刷设备、油田化工、精密电子、仪器仪表等领域，干冰清洗打破传统清洗耗时停产效率低、有清洗死角、有伤模具等缺点，实现高效节能和清洁环保的在线清洗新模式。

无锡“永捷”品牌主要产品：颗粒干冰机、块状干冰机、干冰保温箱，干冰清洗机等，热忱欢迎朋友们莅临无锡工厂指导交流。

Established in 2003, Wuxi Yongjie Automatic Equipment Co., Ltd. is located by the side of beautiful Taihu Lake--Hudai Town, Wuxi city, near to Yangshan exit of XiYi expressway in the west.

We are one of famous corporation in manufacture of dry ice machine, which is the first professional factory in the dry ice machine series of products development, production and sales in China. Our company acquired ISO9001:2008 Quality Management System Certification and CE etc certifications. For over 10 years, "Yongjie" brand products with high technology content, low comprehensive energy consumption, low maintenance costs, stable operation, easy operation and first-class after-sales service etc advantages, the market share of the domestic industry is top of the list. "Yongjie" brand equipment and products perennial exports more than 20 countries and regions, get good reputation from abroad customers and experts.

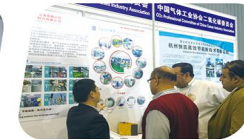
We keep our principle of "Research to Innovation, Energy saving to Protect Environment", adopted advanced technology from abroad and provide OEM service for our domestic and foreign customers.

Wuxi Yongjie company is willing to hand in hand with old and new friends, continue to promote dry ice used in the food cold storage, cold chain transportation and dry ice cleaning, dry ice to glitches and other fields of application, especially in the tire industry, rubber die-casting, auto parts production, Aviation, machinery and equipment manufacturing, mold industry, printing equipment, oilfield chemicals, precision electronics, instrumentation etc fields. It's a new mode and high efficiency, energy saving and environment protective than traditional waste of time, stop production etc shortcomings.

Our main products: dry ice, dry ice granular machine, dry ice block machine, dry ice cleaning equipment and its related services, dry ice heat preservation box, stage smog generating machine. We warmly welcome customers from all the world to visit our company for cooperation.

不只是CO2 的搬运工
节能减排——我们在行动！

Not only CO2 carrier, but also we are taking action for energy saving!





块状干冰机 Dry ice block machine

ENERGY SAVING

CE 专利机型



YGBJ-100-1

YGBJ-100-1单头块状干冰机性能稳定，运行可靠，可以生产350g-1200g的块状干冰，产量120kg-185kg/h，干冰块越厚，生产产量越高。生产的块状干冰主要应用于航空配餐、保鲜冷藏、冷链运输等行业。

YGBJ-100-1 single-head block dry ice machine can produce 350g-1200g block dry ice, the production capacity is 120kg-185kg/h, the equipment with stability performance, reliable operation. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The dry ice production of this machine are mainly used in airline food, fresh storage and cold chain transportation etc industries.

YGBJ-100-2

YGBJ-100-2双头块状干冰机可以生产350g-1200g的块状干冰，其产量在240kg-370kg/h，干冰块越厚，生产产量越高。该机型产量是块状干冰机YGBJ-100-1的两倍，节省了占地面积和管道连接。生产的块状干冰主要应用于航空配餐、保鲜冷藏、冷链运输等行业。

YGBJ-100-2 double-headed block dry ice machine can produce 350g-1200g block dry ice, the production capacity is 240-370 kg/hour. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The output is twice as much as the dry ice machine YGBJ-100-1, saved the area and pipes connection. The dry ice production of this machine are mainly used in airline food, fresh storage and cold chain transportation etc industries.



CE 专利机型



YGBJ-500-1

YGBJ-500-1单头块状干冰机性能稳定，运行可靠，可以生产2kg-12kg的块状干冰，其产量在300kg-500kg/h，干冰块越厚，生产产量越高。生产的大块状干冰主要应用于制冷储藏、保鲜冷链、运输降温、干冰清洗去毛刺等行业。

YGBJ-500-1 single-head block dry ice machine can produce 2kg-12kg block dry ice, the production capacity is 300kg-500kg/h. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The dry ice production of this machine are mainly used in refrigeration storage, cold chain transportation, dry ice cleaning chip removing etc industries.

YGBJ-500-2

YGBJ-500-2双头块状干冰机可以生产2kg-12kg的块状干冰，其产量在600kg-1000kg/h，干冰块越厚，生产产量越高。生产的大块状干冰主要应用于制冷储藏、保鲜冷链、运输降温、干冰清洗去毛刺等行业。

YGBK-500-2 double-headed block dry ice machine can produce 2kg-12kg block dry ice, the production capacity is 600-1000 kg/hour. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output. The output is twice as much as the dry ice machine YGBJ-500-1, saved the area and pipes connection.

The dry ice production of this machine are mainly used in refrigeration storage, cold chain transportation and dry ice cleaning chip removing etc industries.



技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	干冰规格(mm) Dry ice size	干冰产量(kg/h) Min Max	干冰密度(t/m³) Raw materials	CO₂转化率 CO₂Transformation rate	进液压力(MPa) liquid inlet pressure	进液内径(mm) liquid inlet diameter	排气管径(mm) Exhaust pipe diameter	油箱容积(L) Fuel tankage	机器外形尺寸(cm) Overall dimension	总重(kg) Weight
1	YGBJ-100-1	7.5	125×105×(20-60)	120 185	≥1.48	40%~43.5%	≤2.1	DN10	DN50	280	140×110×170	1200
2	YGBJ-100-2	2×7.5	125×105×(20-60)	240 370	≥1.48	40%~43.5%	≤2.1	2-DN10	2-DN50	280	160×140×170	1600
3	YGBJ-500-1	13.5	250×140×(50-210)	300 500	1.3~1.50	40%~43.5%	≤2.1	DN20	DN70	280	270×110×180	2300
4	YGBJ-500-2	2×13.5	250×140×(50-210)	600 1000	1.3~1.50	40%~43.5%	≤2.1	2-DN20	2-DN70	400	270×150×180	4500

可根据客户需求定制不同干冰规格与产量的机型 We could make machine with different product specifications and production for you.



块状干冰机 Dry ice block machine

ENERGY SAVING

CE 专利机型



YGBJ-650-1

YGBJ-650-1单头块状干冰机性能稳定，运行可靠，可以生产3kg-30kg的块状干冰，其产量在400kg-650kg/h，干冰块越厚，生产产量越高。生产的大块状干冰主要应用于制冷储藏、保鲜冷链、运输降温、干冰清洗去毛刺等行业。

YGBJ-650-1 single-head block dry ice machine can produce 3kg-30kg block dry ice, the production capacity is 400kg-650kg/h. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The dry ice production of this machine are mainly used in refrigeration storage, cold chain transportation, dry ice cleaning chip removing etc industries.

YGBJ-650-2

YGBJ-650-2双头块状干冰机可以生产3kg-30kg的块状干冰，其产量在800kg-1300kg/h，干冰块越厚，生产产量越高。该机型产量是块状干冰机YGBJ-650-1的两倍，节省了占地面积和管道连接。生产的块状干冰主要应用于航空配餐、保鲜冷藏、冷链运输等行业。

YGBJ-650-2 double-headed block dry ice machine can produce 3kg-30kg block dry ice, the production capacity is 800-1300 kg/h. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The output is twice as much as the dry ice machine YGBJ-650-1, saved the area and pipes connection. The dry ice production of this machine are mainly used in airline food, fresh storage and cold chain transportation etc industries.



CE



YGBJ-500-1L

YGBJ-500-1L单头块状干冰机性能稳定，运行可靠，可以生产2kg-12kg的块状干冰，其产量在300kg-500kg/h，干冰块越厚，生产产量越高。生产的大块状干冰主要应用于制冷储藏、保鲜冷链、运输降温、干冰清洗去毛刺等行业。

YGBJ-500-1L single-head block dry ice machine can produce 2kg-12kg block dry ice, the production capacity is 300kg-500kg/h. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The dry ice production of this machine are mainly used in refrigeration storage, cold chain transportation, dry ice cleaning chip removing etc industries.

YGBJ-650-1L

YGBJ-650-1L单头块状干冰机性能稳定，运行可靠，可以生产3kg-30kg的块状干冰，其产量在400kg-650kg/h，干冰块越厚，生产产量越高。生产的大块状干冰主要应用于制冷储藏、保鲜冷链、运输降温、干冰清洗去毛刺等行业。

YGBJ-650-1L single-head block dry ice machine can produce 3kg-30kg block dry ice, the production capacity is 400kg-650kg/h. The actual output depends on the thickness of the dry ice produced, the thicker the dry ice, the higher the output.

The dry ice production of this machine are mainly used in refrigeration storage, cold chain transportation, dry ice cleaning chip removing etc industries.

CE



技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	干冰规格(mm) Dry ice size	干冰产量(kg/h) Min Max	干冰密度(t/m³) Raw materials	CO₂转化率 CO₂Transformation rate	进液压力(MPa) liquid inlet pressure	进液内径(mm) liquid inlet diameter	排气管径(mm) Exhaust pipe diameter	油箱容积(L) Fuel tankage	机器外形尺寸(cm) Overall dimension	总重(kg) Weight
1	YGBJ-650-1	13.5	300×255×(50-260)	400 650	≥1.45	40%-43.5%	≤2.1	DN20	DN70	280	290×110×190	2800
2	YGBJ-650-2	2×13.5	300×255×(50-260)	800 1300	≥1.45	40%-43.5%	≤2.1	2-DN20	2-DN70	400	290×160×190	5200
3	YGBJ-500-1L	11	250×140×(50-210)	300 500	1.3-1.52	40%-43.5%	≤2.1	DN20	DN70	320	250×110×170	2100
4	YGBJ-650-1L	11	300×255×(50-260)	400 650	1.3-1.52	40%-43.5%	≤2.1	DN20	DN70	320	250×110×170	2600

可根据客户需求定制不同干冰规格与产量的机型 We could make machine with different product specifications and production for you.



单头颗粒干冰机 Dry ice granular machine

ENERGY SAVING

CE 专利机型



YGBK-50-1

YGBK-50-1 单头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 16\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为50公斤/小时。该干冰制造机生产的干冰主要适用于干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-50-1 single-head granular dry ice machine can produce $\Phi 3 \sim \Phi 16\text{mm}$ high-strength particles, column dry ice, with the production capacity 50 kg / hour. The dry ice production of this machine are mainly applied to dry ice cleaning, low temperature preservation and cold chain transportation, smoke fog etc industries.

CE 专利机型



YGBK-200-1

YGBK-200-1单头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 19\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为200公斤/小时。该干冰制造机生产的干冰主要适用于干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-200-1 single-head granular dry ice machine can produce $\Phi 3 \sim \Phi 19\text{mm}$ high-strength particles, column dry ice, the production capacity is 180~200kg / hour .The dry ice production of this machine are mainly applied to dry ice cleaning, low temperature preservation and cold chain transportation, smoke fog etc industries.

YGBK-100-1

YGBK-100-1单头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 16\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为100公斤/小时。该干冰制造机生产的干冰主要适用于干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-100-1 single-head granular dry ice machine can produce $\Phi 3 \sim \Phi 16\text{mm}$ high-strength particles, column dry ice, the production capacity is 100 kg / hour. The dry ice production of this machine are mainly applied to dry ice cleaning, low temperature preservation and cold chain transportation, smoke fog etc industries.



YGBK-300-1

YGBK-300-1单头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 19\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为300公斤/小时。该干冰制造机生产的干冰主要适用于干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-300-1 single-head granular dry ice machine can produce $\Phi 3 \sim \Phi 19\text{mm}$ high-strength particles, column dry ice, the production capacity is 270~300kg / hour .The dry ice production of this machine are mainly applied to dry ice cleaning, low temperature preservation and cold chain transportation, smoke fog etc industries.



技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	干冰规格(mm) Dry ice size	干冰产量(kg/h) Min Max		干冰密度(t/m³) Raw materials	CO₂转化率 CO₂Transformation rate	进液压力(MPa) liquid inlet pressure	进液内径(mm) liquid inlet diameter	排气管径(mm) Exhaust pipe diameter	油箱容积(L) Fuel tankage	机器外形尺寸(cm) Overall dimension	总重(kg) Weight
1	YGBK-50-1	3.7	$\Phi 3 \sim \Phi 16$	50	60	≥ 1.50	$\geq 38\%$	≤ 2.1	DN10	DN50	90	160×80×130	600
2	YGBK-100-1	5.5	$\Phi 3 \sim \Phi 16$	100	120	≥ 1.50	$\geq 38\%$	≤ 2.1	DN10	DN50	200	160×140×170	750
3	YGBK-200-1	11	$\Phi 3 \sim \Phi 19$	180	200	≥ 1.50	$\geq 42\%$	≤ 2.1	DN20	DN70	280	270×110×180	1300
4	YGBK-300-1	15	$\Phi 3 \sim \Phi 19$	270	300	≥ 1.50	$\geq 42\%$	≤ 2.1	DN20	DN70	280	270×150×180	1700

可根据客户需求定制不同干冰规格与产量的机型 We could make machine with different product specifications and production for you.



多头颗粒干冰机 Dry ice granular machine

ENERGY SAVING

CE 专利机型

**YGBK-200-2**

YGBK-200-2双头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 19\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为400公斤/小时，产量是颗粒干冰机YGBK-200-1的两倍，节省了占地面积和管道连接。该干冰制造机生产的干冰主要适用于干冰压块、干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-200-2 double-headed granular dry ice machine can produce $\Phi 3 \sim \Phi 19\text{mm}$ high-strength particles, column dry ice, the production capacity is 370 ~ 400 kg / hour, the output is twice as much as the dry ice machine YGBK-200-1, saved the area and pipes connection. The dry ice production of this machine are mainly applied to dry ice briquetting, dry ice cleaning, low temperature preservation, cold chain transportation, and smoke fog etc industries.

YGBK-300-2

YGBK-300-2双头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 19\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为540公斤/小时，产量是颗粒干冰机YGBK-300-1的两倍，节省了占地面积和管道连接。该干冰制造机生产的干冰主要适用于干冰压块、干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-300-2 double-headed granular dry ice machine can produce $\Phi 3 \sim \Phi 19\text{mm}$ high-strength particles, column dry ice, the production capacity is 540 kg / hour, the output is twice as much as the dry ice machine YGBK-300-1, saved the area and pipes connection. The dry ice production of this machine are mainly applied to dry ice briquetting, dry ice cleaning, low temperature preservation, cold chain transportation, and smoke fog etc industries.



CE 专利机型

**YGBK-300-4**

YGBK-300-4四头颗粒干冰机可以生产 $\Phi 3 \sim \Phi 19\text{mm}$ 的高强度颗粒、柱状干冰，生产能力为1080公斤/小时，产量是颗粒干冰机YGBK-300-1的四倍或颗粒干冰机YGBK-300-2的两倍，大大节省了占地面积和管道连接。该干冰制造机生产的干冰主要适用于干冰压块、干冰清洗、低温保鲜与冷链运输、烟雾效果等行业。

YGBK-300-4 four-headed granular dry ice machine can produce $\Phi 3 \sim \Phi 19\text{mm}$ high-strength particles, column dry ice, the production capacity is 1080 kg / hour, the output is four times as much as the dry ice machine YGBK-300-1, saved the area and pipes connection. The dry ice production of this machine are mainly applied to dry ice briquetting, dry ice cleaning, low temperature preservation, cold chain transportation, and smoke fog etc industries.

技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	干冰规格(mm) Dry ice size	干冰产量(kg/h) Min Max	干冰密度(t/m ³) Raw materials	CO ₂ 转化率 CO ₂ Transformation rate	进液压力(MPa) liquid inlet pressure	进液内径(mm) liquid inlet diameter	排气管径(mm) Exhaust pipe diameter	油箱容积(L) Fuel tankage	机器外形尺寸(cm) Overall dimension	总重(kg) Weight
1	YGBK-200-2	15	$\Phi 3 \sim \Phi 19$	360 400	≥ 1.50	$\geq 42\%$	≤ 2.1	DN20	2-DN70	280	175×140×175	2200
2	YGBK-300-2	18.5	$\Phi 3 \sim \Phi 19$	450 540	≥ 1.50	$\geq 42\%$	≤ 2.1	DN20	2-DN70	300	215×140×175	2450
3	YGBK-300-4	37	$\Phi 3 \sim \Phi 19$	900 1080	≥ 1.50	$\geq 42\%$	≤ 2.1	2-DN20	4-DN70	600	215×270×175	4800

可根据客户需求定制不同干冰规格与产量的机型 We could make machine with different product specifications and production for you.



颗粒压块机 Dry ice briquetting machine

ENERGY SAVING



专利机型

YGCX-1800



YGCX-1800干冰成型机是把细小的颗粒进行压缩成小片状的干冰，每小时可进行450次的压缩，生产的干冰主要适用于低温保鲜与运输等行业。

YGCX-1800 dry ice briquetting machine make the small particles dry ice to be compressed into small pieces of dry ice, 450 times per hour can be compressed, the production of dry ice is mainly applied to low temperature preservation and transportation industries.

YGCX-4000

YGCX-4000干冰成型机的产量是YGCX-1800的2倍。
YGCX-4000干冰成型机是把细小的颗粒进行压缩成小片状的干冰，每小时可进行450次的压缩，生产的干冰主要适用于低温保鲜与运输等行业。

YGCX-4000 dry ice briquetting machine make the small particles dry ice to be compressed into small pieces of dry ice, 450 times per hour can be compressed, the production of dry ice is mainly applied to low temperature preservation and transportation industries.
YGCX-4000 dry ice briquetting machine, the output is twice as much as the dry briquetting



YGK-1000



YGK-1000干冰压块机是一款把小颗粒干冰压制成大块的干冰，生产的主要用于低温保鲜与运输、干冰清洗去毛刺等行业。

YGK-1000 Dry ice block making machine is a small granular dry ice compressed into large pieces machine, used for low temperature preservation and transportation mainly, dry ice cleaning deburring, etc

技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	干冰规格(mm) Dry ice size	干冰产量(kg/h) Min Max	干冰密度(t/m³) Raw materials	干冰得率(%) Conversion rate	干冰原料规格(μ) Dry ice size	排气管径(mm) Exhaust pipe diameter	油箱容积(L) Fuel tankage	机器外形尺寸(cm) Overall dimension	总重(kg) Weight
1	YGCX-1800	7.5	4-95×95×(10~60) 2-125×105×(10~60) 9-95×95×(10~60)	400 550 400 550 900 1200	≥1.50	≥98%	Φ3× (1~10)	DN70	110	200×110×160	750
2	YGCX-4000	11	4-125×105×(10~60)	800 1100	≥1.50	≥98%	Φ3× (1~10)	DN70	180	220×130×185	1900
3	YGK-1000	7.5	250×140×(50~210)	800 1000	1.30~1.52	≥98%	Φ3× (1~10)	DN70	120	210×110×230	1800



颗粒压块成套机 Dry ice briquetting machine

ENERGY SAVING



专利机型

YGBK-300-2-YGCX-1800



YGBK-300-2-YGCX-1800颗粒压块成套机器主要生产小片状的干冰，也可单独生产颗粒状干冰，是一套从液体CO₂到小片状干冰的成套全自动的生产设备，产能大、自动化程度大、性能稳定。



YGBK-300-2-YGCX-1800 Granular briquette complete set machine, producing small flake ice mainly, also can produce granular dry ice lonely, it is a set of liquid CO₂ to small flake ice complete set of automatic production equipment, large capacity, high degree of automation, stable performance.



专利机型

YGBK-300-4-YGCX-4000



YGBK-300-4-YGCX-4000颗粒压块成套机器主要生产小片状的干冰，也可单独生产颗粒状干冰，是一套从液体CO₂到小片状干冰的成套全自动的生产设备，产能大、自动化程度大、性能稳定。



YGBK-300-4-YGCX-4000 Granular briquette complete set machine, producing small flake ice mainly, also can produce granular dry ice lonely, it is a set of liquid CO₂ to small flake ice complete set of automatic production equipment, large capacity, high degree of automation, stable performance.



技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	干冰规格(mm) Dry ice size	干冰产量(kg/h) Min Max	干冰密度(t/m ³) Raw materials	CO ₂ 转化率 CO ₂ Transformation rate	进液压力(MPa) liquid inlet pressure	进液内径(mm) liquid inlet diameter	排气管径(mm) Exhaust pipe diameter	油箱容积(L) Fuel tankage	机器外形尺寸(cm) Overall dimension	总重(kg) Weight
1	YGBK-300-2-YGCX-1800	26	Φ3~Φ19 4-95×95×(10~60) 2-125×105×(10~60)	400 540 400 540	≥1.50	≥42%	≤2.1	DN20	2-DN70	410	490×140×275	3500
2	YGBK-300-4-YGCX-4000	48	Φ3~Φ19 4-95×95×(10~60) 4-125×105×(10~60)	900 1080 800 1080	≥1.50	≥42%	≤2.1	2-DN20	4-DN70	780	490×270×275	7200



干冰清洗机YGQX系列

Dry ice blasting machines

干冰清洗机YGQX的工作原理是利用压缩空气作为动力，把极低温-78℃的高密度干冰颗粒加速到接近音速的速度撞击被清洗的表面污垢，使表面污垢突然降温导致表面脆化及爆裂，同时干冰粒钻进污垢的裂缝后，随即迅速升华为气体，其体积瞬间膨胀近800倍，从而把污垢带离物体表面。

Cleaning with dry ice! This new development is quickly expanding around the world. One system uses small rice size pellets of dry ice shooting them out of a jet nozzle with compressed air. It works somewhat like sandblasting or high-pressure water or steam blasting, with superior results. The frigid temperature of the dry ice is -78℃.

独特性能 Unique features

整机采用SUS304材料更加亮丽与耐用；
通过变频调速更易于可靠的控制耗冰量；
多种型号喷枪选择适应不同的清洗场合；
可调速气动振器使供冰更加均匀顺畅；
直径260mm的大轮子更增添机器的平稳。

- ◆SUS304 materials construction appears beautiful and reliable use;
- ◆Control ice consumption stably by frequency conversion adjusting speed;
- ◆Various spray guns applicable for different cleaning areas;
- ◆Pneumatic vibrator makes ice supply evenly and smoothly;
- ◆260mm wheels increases machine stability.



技术参数 Technical parameters

序号 Series	型号 Model	电机功率(kw) Motor power	电压 (VAC) Voltage	供气压力 (MPa) Air supply pressure range	耗气量 (m³/min) Air consumption	干冰规格 (mm) Dry ice size	耗冰量 (kg/min) With ice	干冰斗 容量(L) hose capcity	进气管 长度(m) Air hose length	接口 螺紋(吋) Connector screw thread	出水管 长度(m) Ice blater hose length	外形尺寸(cm) Overall dimension	净重kg Weight
1	YGQX-550	0.55	220	0.4~1.0	2~4	Φ1~Φ3	0.1~2.5	18	9	3/4"	7	55×40×100	110
2	YGQX-750	0.75	220	0.4~1.0	3~6	Φ1~Φ4	0.1~3.5	28	9	1"	7	58×46×110	150
3	YGQX-XH3	0.37	220	0.4~1.0	2~4	MAX150 ×150×300	0~0.6	8	9	3/4"	6	70×40×50	60

干冰清洗机 Dry ice blasting machines

干冰清洗机配件 Accessories

进气管Air hose

进气管使用耐压在8.0MPa的橡胶管，连接干燥洁净的压缩空气源和清洗机，两头均采用可旋转的活接头。

Air hose is rubber hose with pressure at 8.0MPa, connecting between dry clean compressed air and dry ice blaster machine; there are rotating joints at two ends.



型 号 Model	适用机型 Dry ice blaster	接口螺紋 Connector screw thread	长度 Length
YGQX-JGZ001	YGQX-550	3/4"	9m
YGQX-JGZ002	YGQX-750	1"	9m

出水管Ice blast hose

出水管采用进口的专用耐低温橡胶管道，并在外部加了一层牛津布保护套。

Ice blast hose is imported special low temperature rubber hose, covered a layer of oxford cloth protective casing.

型 号 Model	适用机型 Dry ice blaster	接口螺紋 Connector screw thread	长度 Length
YGQX-JGZ001	YGQX-550	3/4"	7m
YGQX-JGZ002	YGQX-750	1"	7m

常用喷枪Applicator



YGQX-PZB001	YGQX-PZB002	YGQX-PZB003	YGQX-PZB010
普通扁嘴, 全长33cm, 出口长38mm, 宽4mm, 适用于大多数工况。	普通宽扁嘴, 全长33cm, 出口长70mm, 宽3.5mm, 适用于大面积清洗的场所。	加长普通扁嘴, 全长50cm, 出口长38mm, 宽4mm, 适用于需要特殊清洗的场所。	组合式喷嘴, 全长25cm, 出口可更换Φ6、Φ8、Φ12及45度斜角喷头, 并可加装干冰破碎片, 适用于小喷射量的特殊场所。
Common flat nozzle, 33cm long and mouth: L38mm, W4mm, suitable for most cleaning cases.	Common wide flat nozzle, 33cm long and mouth: L70mm, W3.5mm, suitable for large area cleaning.	Enhanced-length common flat nozzle, 50cm long and mouth L38mm, W4mm, suitable for special cleaning cases.	Combined nozzle with total length 25 cm. It is possible to use Φ6, Φ8, Φ12 and 45 degree oblique angles spray-heads for the outlet, and dry ice cutters can be added too. Specially suitable for small areas blasting.

可根据客户特殊需求定制各种类型喷枪。Can be customized according to customer special types of applicator.



干冰清洗机 Dry ice blasting machines

ENERGY SAVING

干冰清洗原理

利用压缩空气作为动力，把极低温（-78℃）的高密度干冰颗粒加速到接近音速的速度撞击被清洗的表面污垢，使表面污垢突然降温导致表面脆化及爆裂，同时干冰粒钻进污垢的裂缝后，随即迅速升华为气体，其体积瞬间膨胀近800倍，从而把污垢带离物件表面。

What is Dry ice blasting

Cleaning with dry ice! This new development is quickly expanding around the world. One system uses small rice size pellets of dry ice shooting them out of a jet nozzle with compressed air. It works somewhat like sandblasting or high-pressure water or steam blasting, with superior results. The frigid temperature of the dry ice -109.3° F or -78.5° C "blasting" against the material to be removed, causes it to shrink and lose adhesion from its sub surface. Additionally when some of dry ice penetrates through the material to be removed, it comes in contact with the underlying surface. The warmer sub surface causes the dry ice to convert back into carbon dioxide gas. The gas has 800 times greater volume and expands behind the material speeding up its removal. Paint, oil, grease, asphalt, tar, decals, soot, dirt, ink, resins, and adhesives are some of the materials removed by this procedure. Only the removed material must be disposed of, as the dry ice sublimates into the atmosphere.

干冰清洗优点

- 干冰的低温使污垢的粘附能力降低、脆性增大；
- “微爆炸”干冰粒钻进污垢裂缝后，在几分之一秒内气化，其体积瞬间膨胀600~800倍，将污垢剥离物件表面。
- 由于干冰升华为气体，清洗过程没有产生任何二次废物；
- 无需把被清洗物拆卸下来，可以实现在线清洗；
- 是一种非破坏性除污，不伤机器，不损模具。
- 不能用水清洗的地方完全可用干冰清洗替代。



Dry ice blasting

- ☐ Is a non-abrasive, nonflammable and nonconductive cleaning method
- ☐ Is environmentally-friendly and contains no secondary contaminants such as solvents or grit media
- ☐ Is clean and approved for use in the food industry
- ☐ Allows most items to be cleaned in place without time-consuming disassembly
- ☐ Can be used without damaging active electrical or mechanical parts or creating fire hazards
- ☐ Can be used to remove production residues, release agents, contaminants, paints, oils and biofilms
- ☐ Can be as gentle as dusting smoke damage from books or as aggressive as removing weld slag from tooling
- ☐ Can be used for many general cleaning applications

干冰清洗应用行业

- 1、模具：轮胎模具、聚氨酯模具、橡胶模具、合金压铸模具等；生产线上除污，快速省时。
- 2、食品业：饼干烤炉、输送带、鸡蛋饼模等；低温干式除污，免除细菌滋生机会。
- 3、电子电机：线路板、影印机、马达、发电机等；干式除污，不会引起短路、漏电。
- 4、船舶：船壳、入水阀、冷凝器清理；比一般用高压水射流清洗更干净。
- 5、汽车：干式清洗门皮、蓬顶、车棚无水质，清除引擎、车底油污不会引致水污染。
- 6、飞机工业：喷射引擎及波箱、起落架的除油污，可直接在机体工作，节省时间。
- 7、发电厂：清理涡轮机叶时，不需拆下浆叶，省去重新调校浆叶的动能平衡。
- 8、火灾后清理火场：有毒废物、烧焦味等清除效果显著，不会增加污染物的数量。
- 10、还有其他行业如印刷业、石油化工等。

Dry ice blasting application

Electrical

Electronic/electrical control panels
Printed Circuit Boards
Robotic Equipment

Cable trays/Motors/Stators
Semi-Conductors
Relays Turbines

Armatures/Coils/Windings
Transformers
Insulators

Generators
Switch Gear
Sub-Stations

Commercial

Buildings Exterior/Interior
Heating/Cooling Systems

Hospitals Nursing Homes
Bricks Wood

Hotels
Remediation/Restoration

Residential
Structures
Graffiti Decal Removal

Industrial

Molding Equipment
Piping
Printing Presses
Boiler Tubes

Butt Welders
Tanks
Pulp/Paper Equipment
Aircraft

Process Equipment
Ship Hulls
Oil Field Equipment

Manufacturing Equipment
Automobiles Interiors

Food

Ovens
Equipment Ceilings

Floors
Conveyors

Walls
Bake-Off trays

Processing Equipment
Packaging Areas and Equipment

Other

Cigarette/Cigar Smoke
Nuclear Decontamination

Formaldehyde
Fire Restoration

Beauty Salons

Waste Containers





YGBW-60

外形Outer Size: 57cm×46cm×93cm
内净Inner Size: 39cm×28cm×63cm
容积 Capacity: 68L 总重Weight: 25kg
保温效果Heat loss: 损耗4~6%/24her

干冰保温箱YGBW-60采用进口耐低温工程塑料制作,大大提高了保温性、耐磨性、抗撞击性。该型号干冰箱可存放70kg以上的块状干冰,或者60kg以上的颗粒干冰。干冰箱底部有滚轮,方便用户周转使用。

YGBW-60 Dry ice heat preservation box material adopt imported low temperature resistant plastic, greatly improved the insulation, abrasive resistance, impact resistance etc performance. This model dry ice box can store more than 70 kg block dry ice or more than 60 kg granular dry ice.



- Capacity: Bigger!
- Material: Better!
- Insulation: Stronger!
- Shape: Beautiful!
- Practical: Convenient!

68L It can store 60kg of dry ice particles easily.
PE advanced engineering plastic, low temperature, radiation-proof, 70mm thick insulation layer, Effective in reducing volatile dry ice. Box cover and box also molding in one.
At the bottom of the all-round wheels with durability.

容积: 更大! 68L大容积可轻松存放60kg颗粒干冰。

材料: 更优! 采用进口耐低温防辐射PE高级工程塑料。

保温: 更强! 70mm加厚保温层极有效减少干冰挥发。

外形: 更美! 箱盖体均采用先进工艺由模具一体成型。

实用: 更好! 底部装有万向滚轮经久耐用。

专利产品



干冰保温箱系列 Dry ice heat preservation box

YGBW-260

外形Outer Size: 109cm×69cm×98cm
内净Inner Size: 94cm×54cm×65cm
容积 Capacity: 325L 总重Weight: 60kg
保温效果Heat loss: 损耗4~6%/24her

干冰保温箱YGBW-260采用进口耐低温工程塑料制作,大大提高了保温性、耐磨性、抗撞击性。该型号干冰箱可存放320kg以上的块状干冰,或者260kg以上的颗粒干冰。干冰箱底部有固定底脚和重型滚轮2种方式可供客户选择。

YGBW-260 Dry ice heat preservation box material adopt imported low temperature resistant plastic, greatly improved the insulation, abrasive resistance, impact resistance etc performance. This model dry ice box can store more than 320 kg block dry ice or more than 260 kg granular dry ice. The Dry ice box bottom equipped two optional types with fixed base and heavy wheel for customers to choose.



- Capacity: Bigger!
- Material: Better!
- Insulation: Stronger!
- Shape: Beautiful!
- Practical: Convenient!

325L It can store 260kg of dry ice particles easily.
PE advanced engineering plastic, low temperature, radiation-proof, 75mm thick insulation layer, Effective in reducing volatile dry ice. Box cover and box also molding in one.
At the bottom of the heavy-duty wheels with durability.

容积: 更大! 325L大容积可轻松存放260kg颗粒干冰。

材料: 更优! 采用进口耐低温防辐射PE高级工程塑料。

保温: 更强! 75mm加厚保温层极有效减少干冰挥发。

外形: 更美! 箱盖体均采用先进工艺由模具一体成型。

实用: 更好! 底部装有带刹车功能的重型轮,经久耐用。

专利产品





不只是CO₂ 的搬运工
节能减排——我们在行动！

Not only CO₂ carrier, but also we are taking action for energy saving!

ENERGY SAVING

合作伙伴 Cooperative partner



SERVICE CREATES VALUE



www.wxj88.com