

BUCCERI CONTAINER SNOWMAKING SOLUTIONS

Multi Use Modules or Fixed Use Industrial Machines



70 TONS PER DAY ALL WEATHER CONTAINER SNOWMAKING SOLUTION
23 SETS SOLD FOR 2024/2025 NORTHERN WINTER



BASIC OPERATING CONDITIONS FOR THE 70T SNOWMAKING SYSTEM

A single system includes:

- 2 sets of 35-ton ice machines
- 1 set of ice delivery system
- 2 sets of 40-foot containers
- 1 spiral ice delivery mechanism
- 1 B4 Snow Machine. (see separate spec sheet)

The total power required is about: 230KW, which requires 3P/380V/50HZ and 450KVA power distribution. (USA 3P/480V/60HZ)

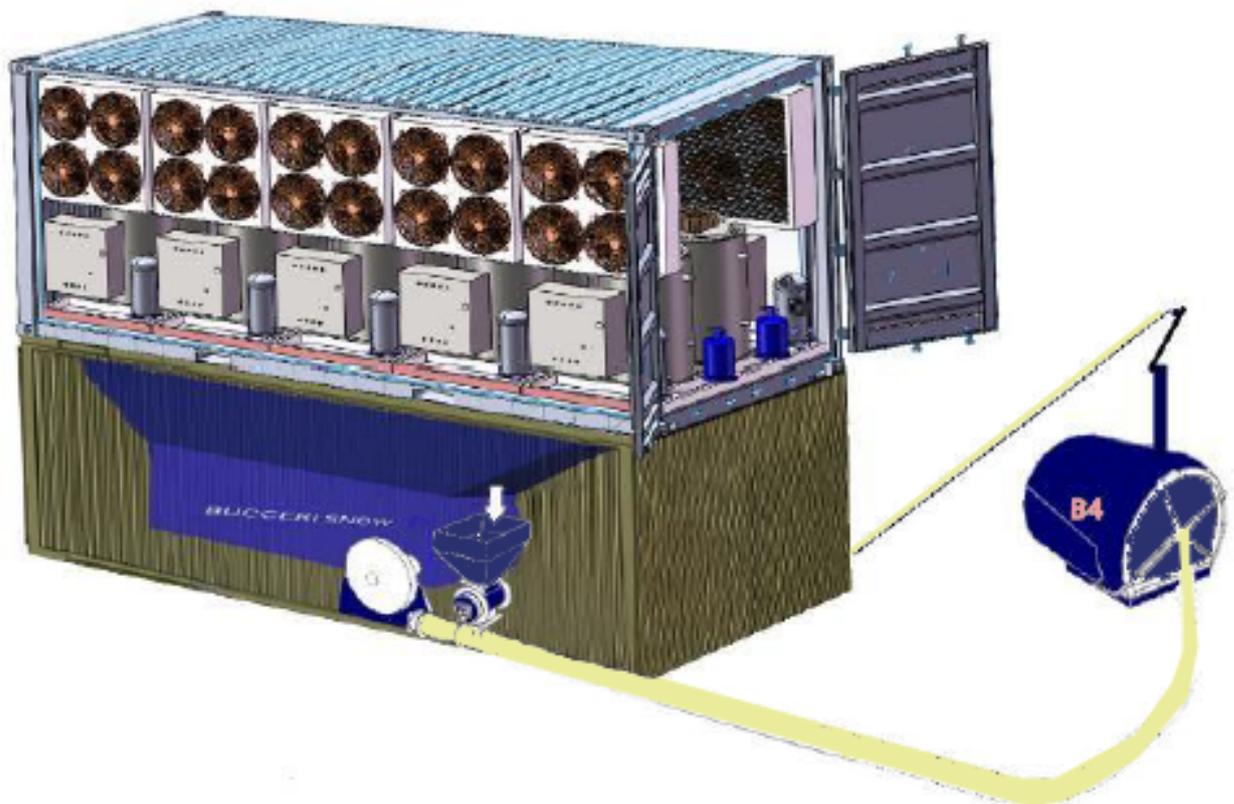
The main power supply is pulled from the substation by the customer to the main gate of the snow making system container. The customer is responsible for providing and connecting the power cord from the main power distribution cabinet of the machine room to the snow making container.

The water requirements are 0.5MPa pressure water source, the diameter of the water pipe is not less than DN32, and the water supply is diverted from the demand side to the container water tank of the snow making machine system.

A crane of more than 20 tons, on-site loading and unloading preparation.

Area Required site: 13 meters long*4 meters wide

(All site preparations to be done by the purchaser)



SYSTEM OPERATION EXPLAINED



Flake ice is produced by ice machines and as produced is delivered by a roots style blower up to 150 metres from the ice machine position where it can be blown into stockpiles or delivered to a patented Bucceri B4 snow maker that converts the ice into fresh snow or if the temperature is low enough uses the ice as a nucleating agent for atomised water to make large amounts of snow. The snow produced can be up to 20 times the ice quantity if the conditions are right.



Daily snow making capacity of a 70 Ton set

Average daily water consumption of a single set
(24 hours)

Average daily power consumption of a single set
(24 hours)

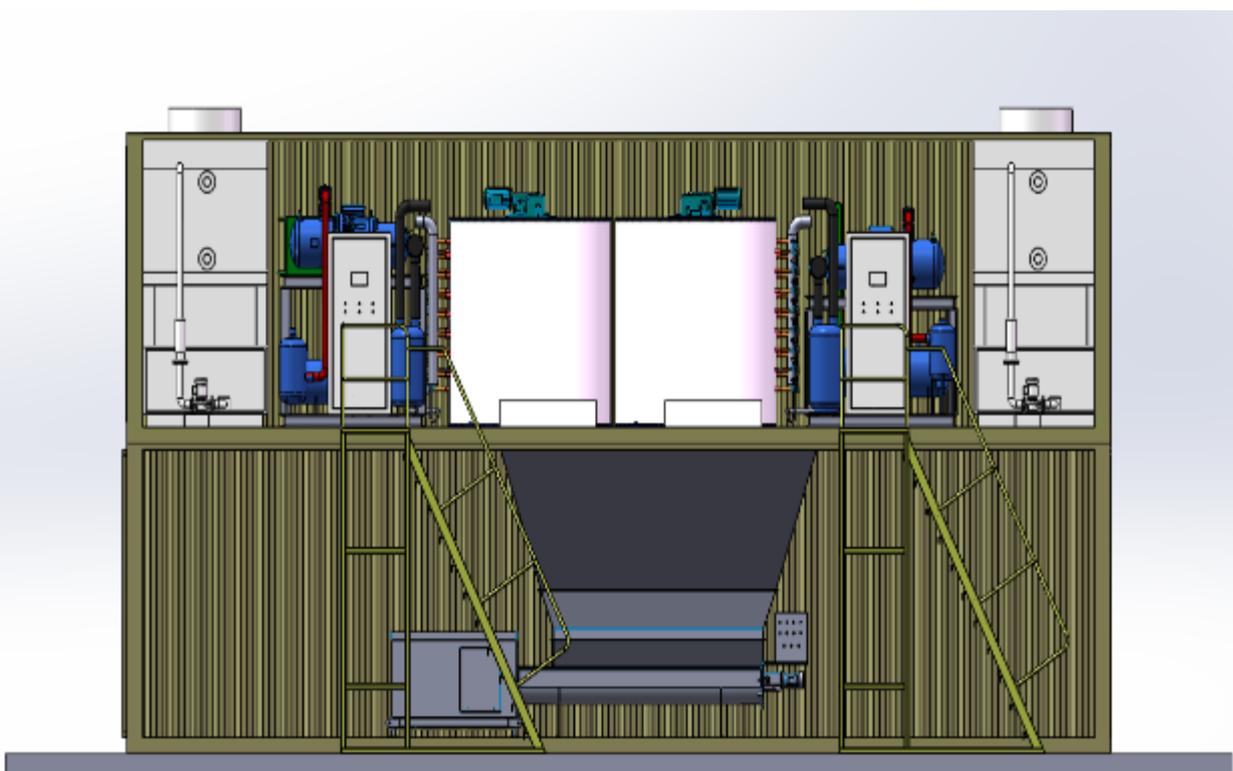
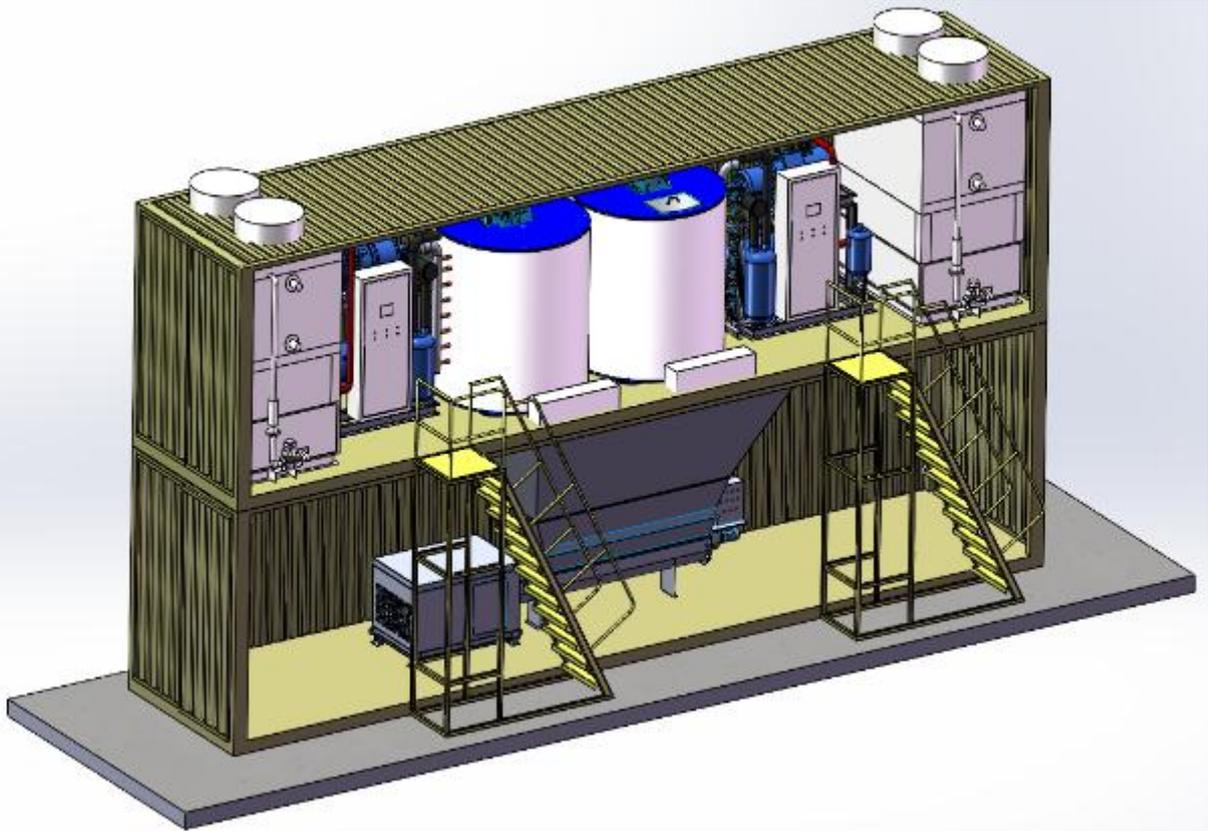
Total system power

Total capacity of transformer required

140 cubic meters at density 0.5
70 tons

1350KW (degrees) 230KW

400KVA



Equipment Details				Indicative Price Ex-Factory USD\$300,000			
Serial number	Product name	Specification Unit		Quantity	Unit price	Total	Remarks
1	High temperature snowmaking system	BJ-ZXJ-140	Set	1			Daily output 140 cubic meters at density 0.5 480 Amps Running current at 415 Volts 415Amps at 480 Volts
2	Shipping		Set	1			
3	Installation		Set	1			
Single set lists							
4	Air delivery system	BJFS-A	Set	1			37kw Roots air delivery ABB Motor 65Amps at 415 Volts
5	Air delivery drying system	BJFS-B	Set	1			13kw Bitzer Comp. refrigeration unit 22Aps at 415Volts
6	iFlake ice machines	BJ-PB35T-E2	Set	1			Hanbell or Bitzer Screw compressor
7	Customized container 1	11.8*2.13*2.72 Metres	Set	1			Made to house the air delivery System
8	Customized container2	11.8*2.13*2.72 Metres	Set	1			Made to house the ice making machines
9	Ice delivery system	custom made	Set	1			304 stainless steel
10	Theme spray painting	custom made	Set	1			
11	Steel structure	custom made	Set	1			

Delivery period: Delivery after manufacture with standard manufacturing time of 30 -60 days after receiving the deposit.

Payment method: 50% prepayment on signing the contract, 50% before delivery.

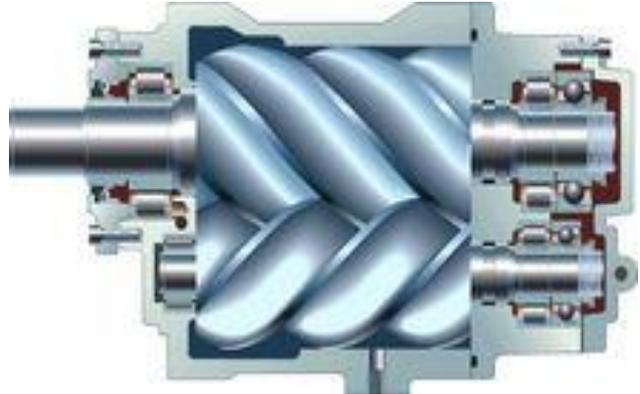
Quality assurance: The snow machine has a minimum 12-month warranty from the date of shipment.

After-sales service: Bucceri and Ice-G snow making system provides complete technical support and technical training and promises 24/7 hours telephone technical maintenance. Our after-sales engineering approved technicians will attempt to arrive at the installation site within 24 hours after receiving the fault repair report.

Transportation cost: The above quotation does not transportation or import costs or on-site unloading costs.



Ice-G Factory Guangdong Province China



Option of Hanbell (standard) or Bitzer Screw Compressor or as specified by customer.



Use Danfoss world's number one brand for expansion valve, switches including high pressure protection and low pressure protection switch.



Schneider UL Electrical Contactors



Schneider PLC Controller



LG Brand Contactors, Air Switches



D&F Brand Refrigeration Accessories



Optional Air Cooled or Evaporative Condenser with Bygold treatment optional

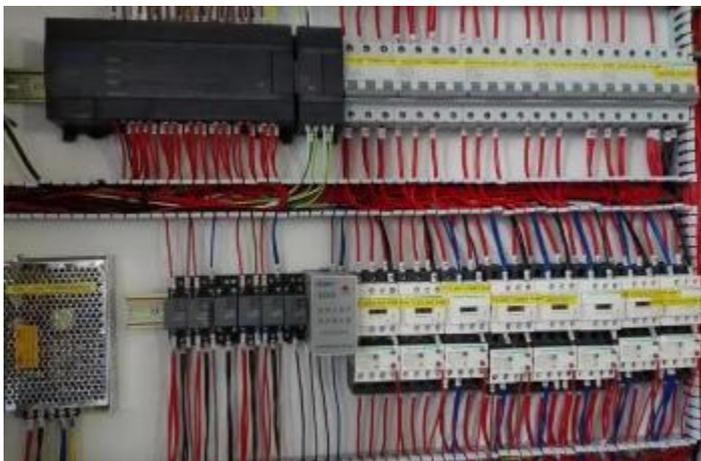


Refrigeration pipelines use high-quality copper tubes to AS/NZS1571 standard and we use 15% silver solder from us supplier Lincoln Electric.

The evaporator barrel shell is made of 304 stainless steel, which is durable and the pipeline is clean, free of impurities and anti-corrosion.



The unit's piping is meticulously designed and expertly welded, ensuring stability, durability, and a leak-free, extended service life. High-temperature pipelines are clearly marked with red paint for safety.



Designed with the user in mind, the machine features clear safety labeling and detailed circuit identification. This facilitates operation, simplifies troubleshooting, and streamlines maintenance, ensuring a smooth and efficient experience.

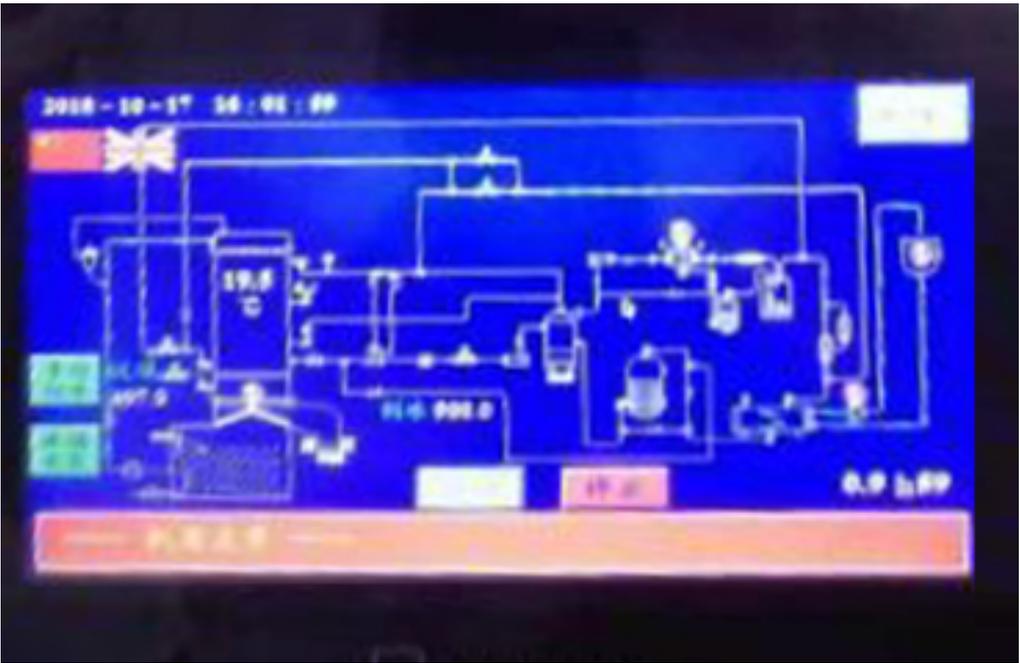
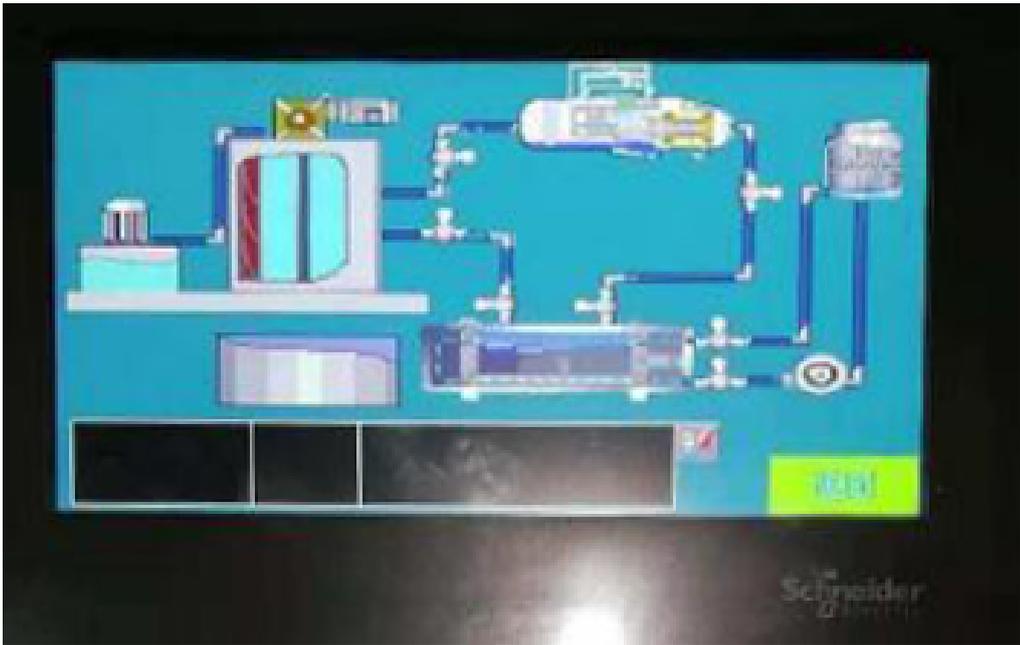
REFRIGERATION



Maintenance is simplified with shut-off valves strategically placed at both ends of each accessory pipeline.

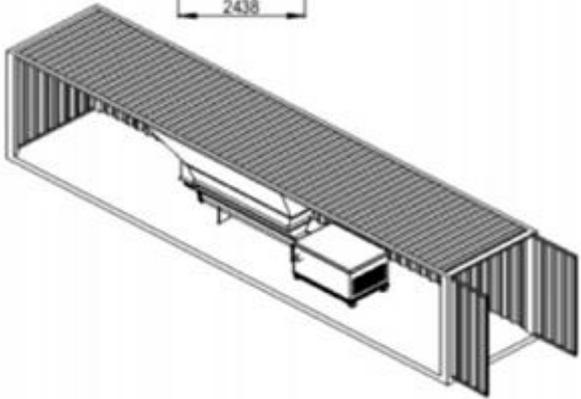
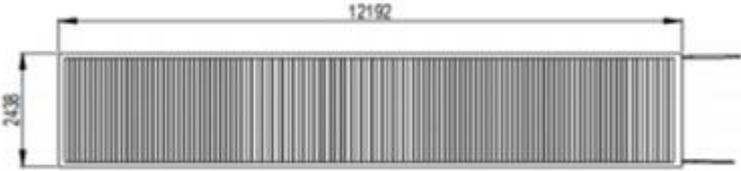
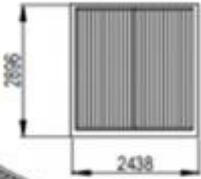
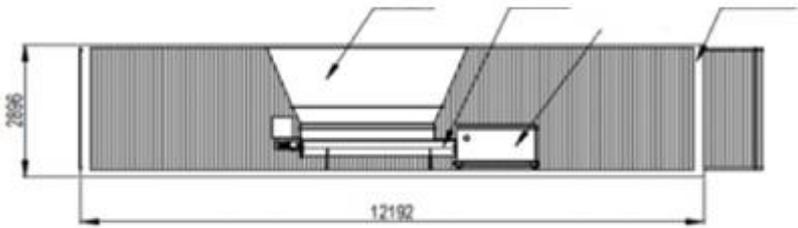
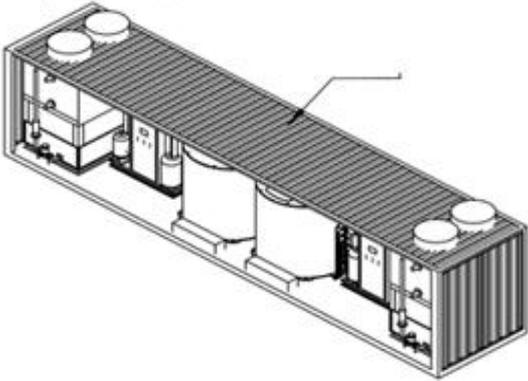
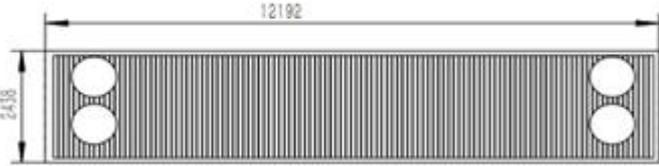
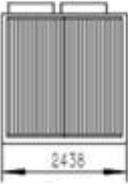
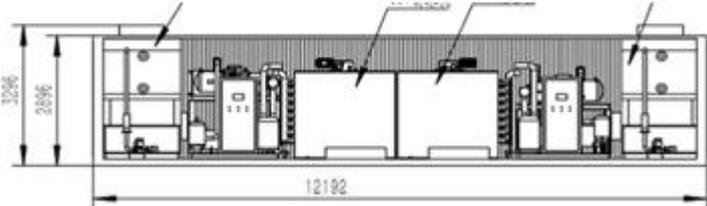


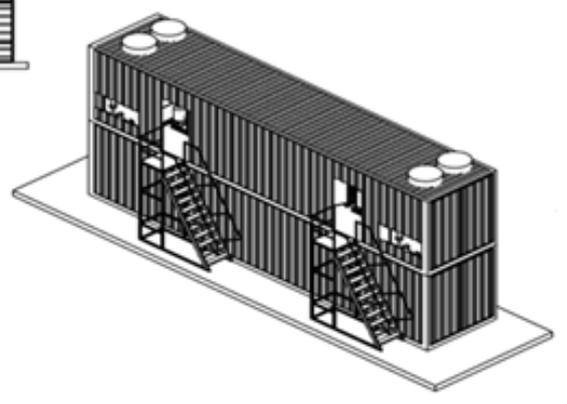
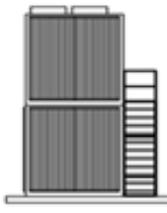
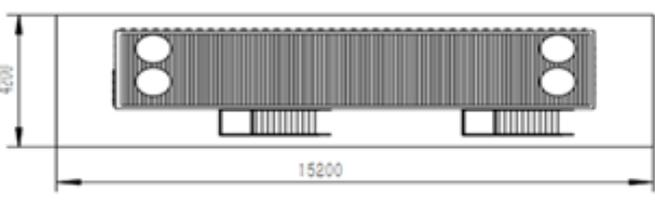
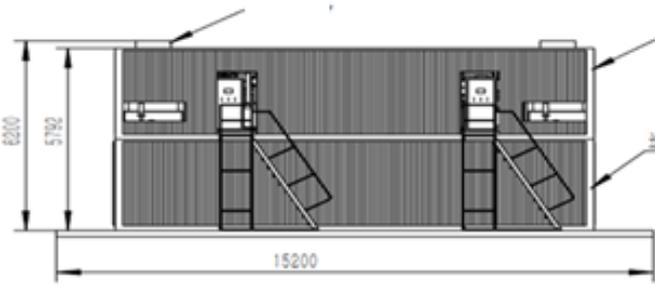
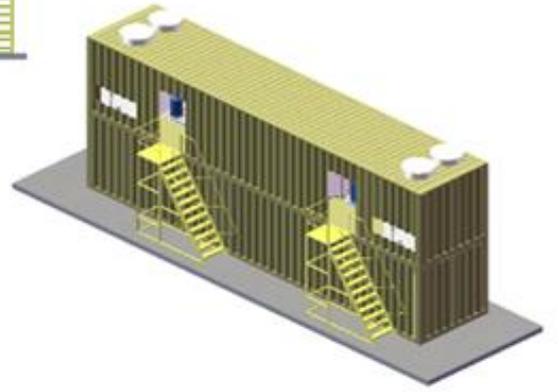
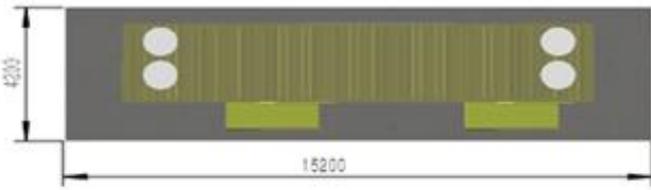
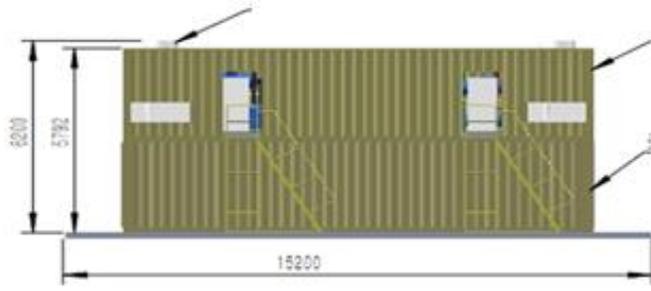
A spare contactor ensures quick resolution of emergencies and minimizes downtime.

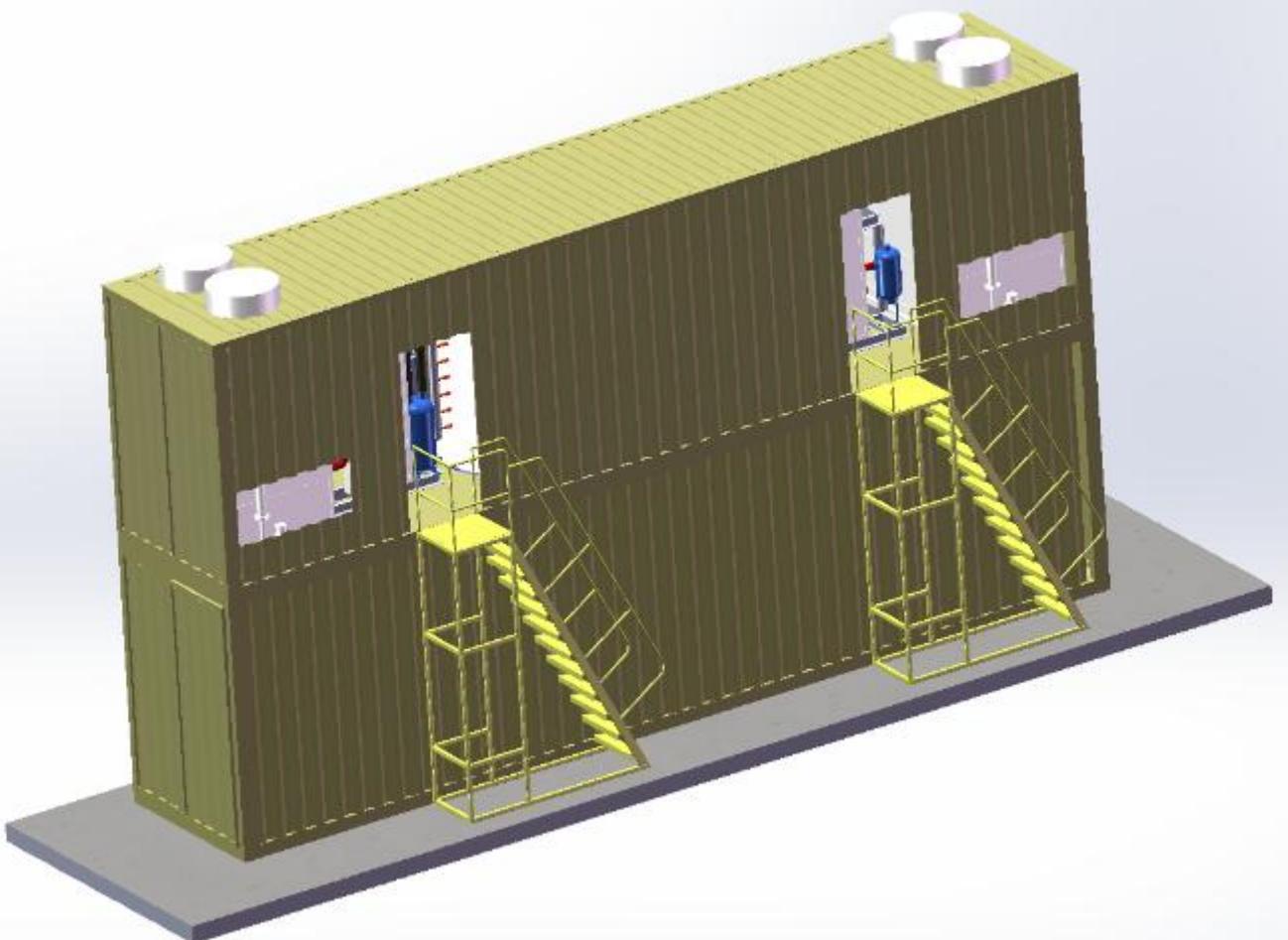
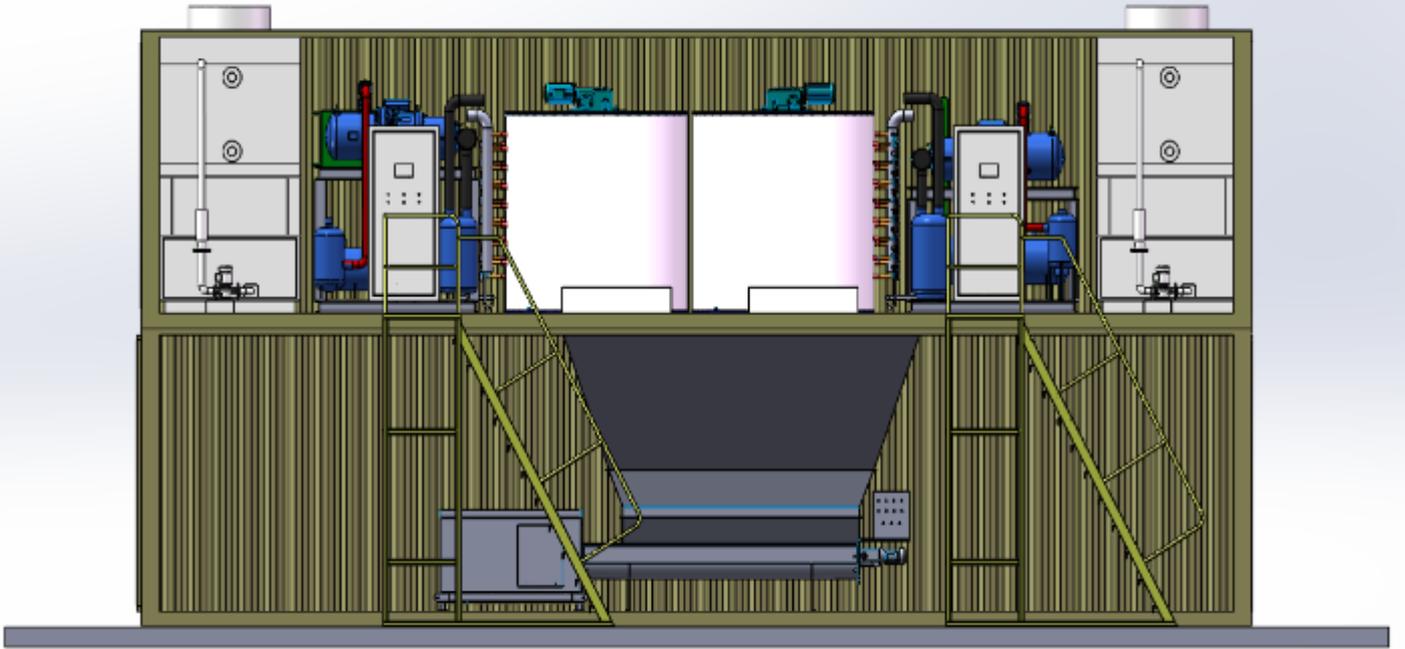


A user-friendly remote operation interface provides real-time system monitoring and clearly labeled controls for simple and convenient operation.

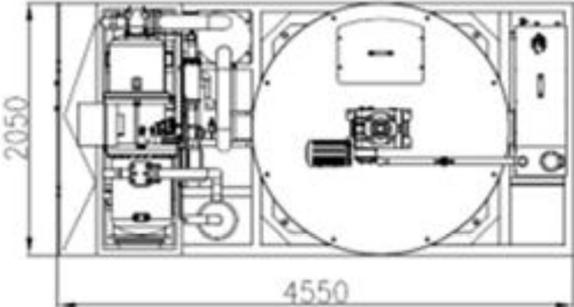
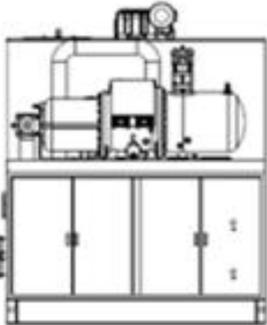
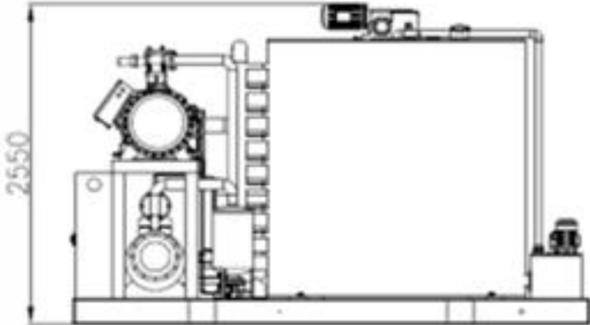
EQUIPMENT DETAILS







Dimensions 35 Ton Ice Making Machines



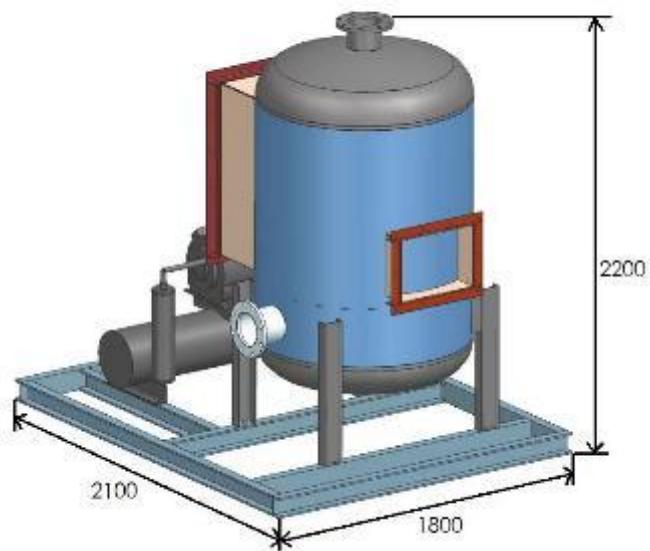
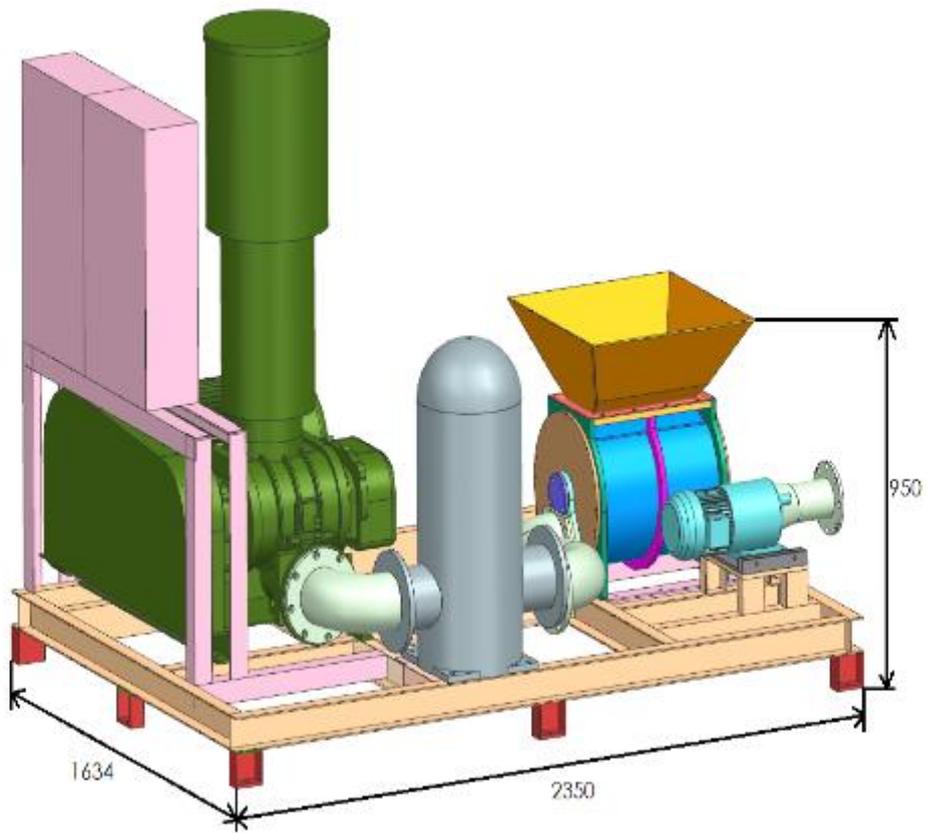
Dimensions



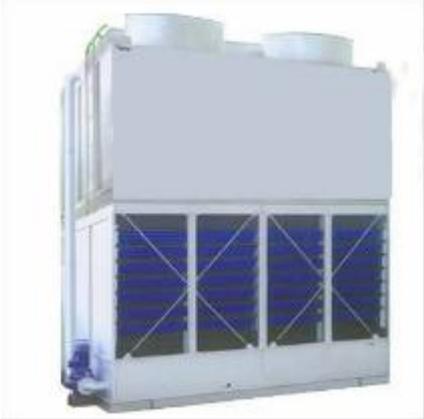
Air cooling system

Roots Blower Data

Fan performance	Fan model	BJ-150	
	Import flow (m3/min)	26.08	
	Rotation speed (r/min)	1730	
	Shaft power (KW)	35.55	
	Transmission form	Belt drive	
	Boost (kPa)	49	
	Cooling method	air cooling	
	Sealed form	labyrinth seal	
	Fan vibration	The vibration speed under all operating conditions shall not be greater than 11.2mm/s	
Motor	Model	YE3-225S-4	
	Power (kW)	37	
	power supply	380V- 480V	
	Protection level	IP55	
	frequency	50/60HZ	
	Insulation level	F	
	Motor manufacturer	ABB or WEG UL Brand	
Material	chassis	HT250	Lifespan: 100,000 hours
	impeller	QT450	Lifespan: 100,000 hours
	wall panel	HT250	Lifespan: 100,000 hours
	Main and driven gears	20CrMnTi	Lifespan: 30000 Hours
	Main and driven shafts	35CrMo	Lifespan: 100,000 hours
	tank	HT-250	Lifespan: 100,000 hours
	Bearing	Japan NSK life: 25,000 hours	
	drive belt	OPT (Germany)/Gates (USA)	



LIST OF SNOWMAKING SYSTEM ACCESSORIES

<p>Compressor</p>	<p>The unit utilizes a high-performance semi-hermetic screw compressor from renowned Taiwanese brand HANBELL, known for its superior lubrication, efficient energy regulation, durable components, and compact design. Bitzer, Refcomp and other brands also available on request.</p>	
<p>Evaporative Condenser</p>	<p>The evaporative condenser boasts a stable truss structure design, ensuring smooth and reliable operation. Its hot-dip galvanized steel construction provides superior rust and corrosion resistance. High-quality panels, made with unsaturated polyester resin and glass fiber, offer a smooth, uniform finish that is resistant to aging and fading. A specialized, fully enclosed cooling tower motor with IP54 protection guarantees reliable performance in hot and humid environments, while minimizing operating noise.</p>	
<p>Refrigeration Accessories</p>	<p>Maximize ice production and system reliability with an ice machine built with premium components. We source key accessories from trusted international brands like Danfoss, Emerson, and Fasker, ensuring optimal performance and operational stability.</p>	
<p>Electronic control components</p>	<p>Experience effortless operation with our user-friendly, fully automated control system, featuring one-button start and stop functionality and LG electronic components for enhanced reliability.</p>	

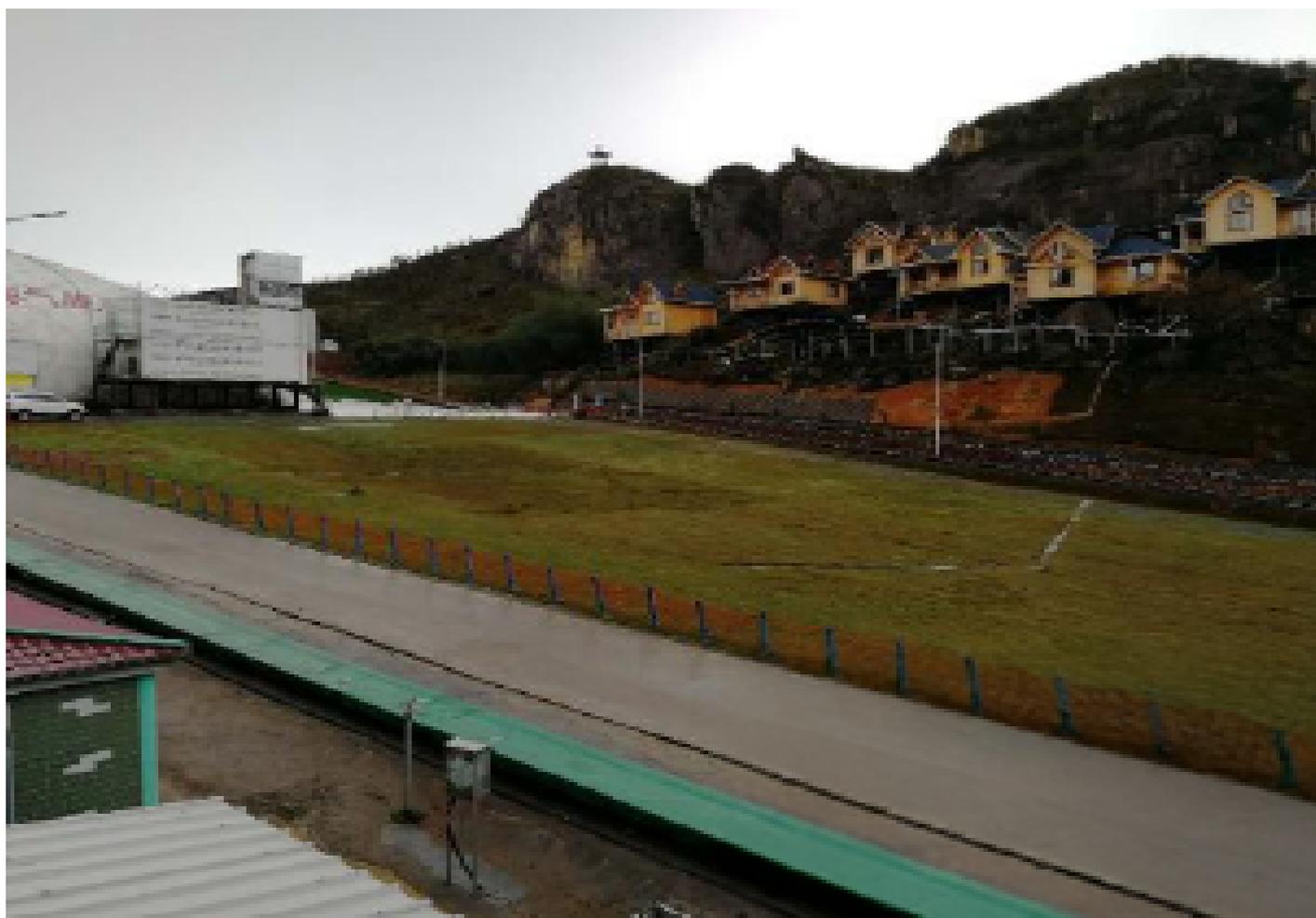
<p>Ice Production Evaporator</p>	<p>Experience superior ice production with our durable evaporator, made in-house from a specialized low-temperature pressure vessel alloy. Meticulous welding, heat treatment, and electroplating ensure optimal evaporation efficiency and a long service life.</p>	
<p>Spiral Ice Cutter</p>	<p>The flake ice machine's ice blade, a critical component, is crafted from high-quality 304 stainless steel for enhanced precision, wear resistance, and extended service life.</p>	
<p>Bearings</p>	<p>Maximize the lifespan of your ice machine with Ice G's superior bearing selection. We utilize premium IJK bearings, imported from Japan, featuring a specialized waterproof design and enhanced durability for extended service life.</p> <p style="text-align: center;">  </p>	

RECENT PROJECTS 2024

1.NINGBO-Outside Container Installation 70 Ton



2.HUNAN



3. GUIZHOU



4. HUBEI



6. MACAU





7 CHONGYI CHINA







Bucceri Snow Making has a long-standing and successful partnership with Guangdong Technology Co., Ltd (Bin-G Refrigeration), a leading Chinese company specializing in ice-making and refrigeration solutions.

Extensive Experience: With over 20 years of experience, Bin-G is a trusted provider of high-quality equipment and comprehensive services.

Comprehensive Solutions: Bin-G offers a wide range of products and services, from R&D and design to production, sales, and after-sales support, ensuring a seamless customer experience.

Diverse Applications: Bin-G's products cater to various industries, showcasing their versatility and expertise: supermarkets, medical facilities, chemical plants, hydro-power construction, food processing, and artificial snow fields.

This strategic partnership allows Bucceri Snow Making to leverage Bin-G's extensive experience and capabilities to deliver innovative and reliable solutions to the global market.

Deepening the Collaboration:

Bucceri Snow Making's manufacturing facility, located in Fuzhou, Fujian Province, has collaborated with Bin-G's principals since 2013. This collaboration began with the successful implementation of China's first plus-temperature snow-making system using flake ice refrigeration technology in Xian. This long-term relationship reinforces Bucceri's commitment to innovation and quality in the Chinese market

