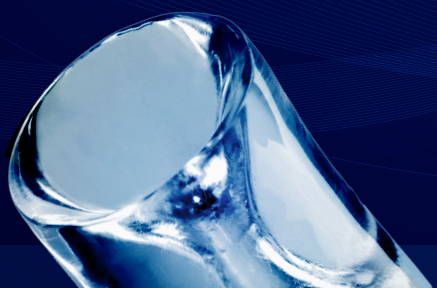
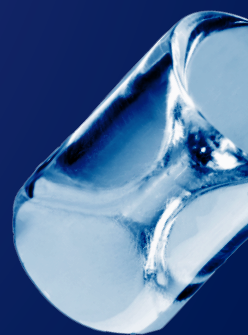
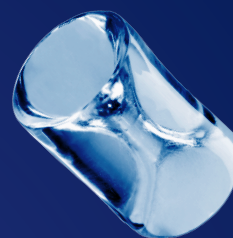


TAECHANG ICE

Realizing New Technology of Ice Industry



Taechang Ice Co., Ltd.

Realizing New Technology of Ice Industry



CEO MESSAGE

TAECHANG ICE is the corporation which consider about water, the very precious material, for our customer's use. With firm foundation as Water R&D corporation in 2004 and developed unique technique in 2009, TAECHANG ICE developed distinctive ice making process that make ice with running water through spinning. Also we created world's only sandglass shape ice to have worldwide patent. As we established TAECHANG ICE in April, 2016 we advanced in ice-making industry and we will make our own promise to provide our customers with best product.

CEO *Kang Nam Young*

COMPANY HISTORY

~ 2007 Refrigeration and Air conditioning R&D Laboratory

~ 2010 Exhibition & Participation in Trade Missions

- ~ 2013
 - Vietnam(Hanoi) EXPO (2010)
 - China(Guangzhou) Spring Canton Fair (2010)
 - Ho Chi Minh Chungcheongnam-do Excellent product Business meeting (2011)
 - Chungcheongnam-do Nanjing Excellent product Exhibition (2012)
 - Chungcheongnam-do North America Trade Mission (2012)
 - Chungcheongnam-do China Third Trade Mission (2012)
 - Cheonan South Asia Trade Mission (2013)

~ 2016 Patent Possesion Status

- ~ 2017
 - Ice-Making Module Patent(2016)
 - China Patent(2016)

New Vision

- Go Global and Plant Registration (2017)
- TAECHANG ICE Co., Ltd. Establishment of corporate conversion (2016)
- TAECHANG ENG Co., Ltd. transfer to subsidiary



Advantages of Ice Making Modules

The only sand glass ice in the world.

DIFFERENTIATION

There are many ways to generate ice.
Taechang Ice Co., Ltd.'s ice-making module is different from the existing method.

1. Rotating Method of Freezing and Cooling Water

By rotating the water in the ice-making module,
A clear and transparent sand-glass appearance will be produced.

2. The ice shape is the most important factor

The shape of ice should be efficient for various drinks and uses.
The world's only ice form, sandglass Ice, is shaped to fit these need elements and has a Visual beauty that can further enhance your style.

3. Safe Ice Module

The material of the module uses SUS316L to implement safety and hygiene at the same time. This is a spoon-like material used at our table.

4. Form of Module Outside Space Limit

The developed ice-making module is able to increase and decrease the number of modules in the 1st stage 4 pipes, so the stylization of design and space is high. It can be combined with various types of products and you can make cold water of direct water type freely when applying ice water purifier.

5. Two or more ice from one pipe without separate molding

The existing ice-hole type module can cut the ice only by using the cutting machine, Unique core technology allows the creation of multiple ice from one or more pipes in two or more stages.

Taechang Ice



A Company



B Company



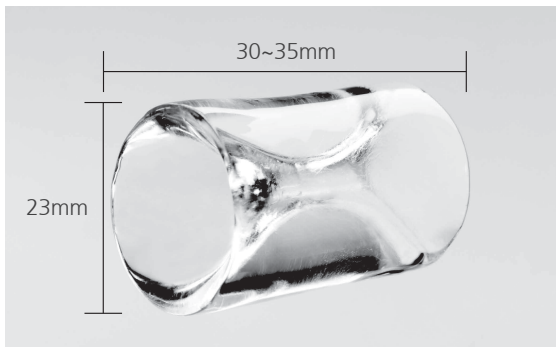
C Company





Clear, clean ice produced by the independent technology of Taechang Ice Co., Ltd.

SPECIFICATIONS



Refrigerant	R-134A
Diameter	23 mm
Length	30mm
Weight	7 g



The size and length of ice can be changed depending on the application of refrigerant and refrigeration cycle.

Length	30~35mm
Weight	7 g

The above Specification : refrigerant 134a / outside temperature 21℃ / water temperature 18℃

- As soon as the temperature reaches the maximum temperature at which the ice starts to cool, clear ice is produced.
- When drinks are used, both ends of the ice are cold so that both ends are thin, and the solid center part keeps the coolness for a long time.

ICE MAKER

Features

- Got patent as the world's only ice maker.
- Through developing unique ice making method, it used very transparent ice by utilizing the natural's freezing point.
- By forming sandglass shape without molding, it have nickname of 'sexy ice' which highlight the display factor.
- Shape of ice is very unique and let drink cool very fast and also good at keep it cool.
- Freezing unit is individual unit to be used as freezer for purifier, refrigerator, vending machine or so which use cooling machine and have advantages to be developed in various derivatives.
- Particularly purifying effect can be achieved in freezing process since it have filtration factor which filter calcium compound without filter.



SG-10S

Daily output(kg/day)	10~13kg / 1day
Refrigerant	134A
Electricity	220V, 60Hz
Shape of ice	Sandglass ice
Freezing time	15min.
Size(WxLxH)	300x450x485mm

SG-30S

Daily output(kg/day)	27kg / 1day
Refrigerant	410A
Electricity	220V, 60Hz
Shape of ice	Sandglass ice
Freezing time	25min.
Size(WxLxH)	633x506x870mm

※ Above product can be changed through product improvement.

- Condition : Outdoor temperature 21°C Water temperature 18°C & Water that do not contain salinity and other impurities

TAECHANG ICE

Crack Ice Maker

Direct cooling(flowing water) Fresh water(water freezing)
Robust and transparent Opaque by air layer formation
stainless steel Powder coating.

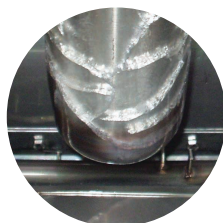
- The thickness of ice crushed ice is 7mm~14mm, and the thickness can be adjusted according to the application.
- The production volume is higher than that of other ice making machines due to the use of binary evaporator.
- It can be used in various fields such as aquatic products, food processing, hospitals, building.



Crack Ice

**STEP. 1**

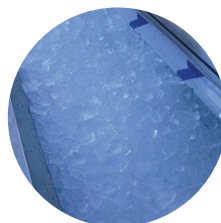
Water
Supply

**STEP. 2**

Ice making &
Crack

**STEP. 3**

Driving
(Hotgas)

**STEP. 4**

Ice storage
house

**STEP. 5**

Ice thickness
5~10mm

Product comparison with other companies

※ Taechangice' ice maker(1 ton standard)

	Ice production	Cooling system	Deicing system	Deicing system	Deicing system	Deicing system
Head Company	1ton(ton/day)	Air-cooled	Direct cooling (flowing water)	Robust and transparent	7~9 minutes	Stainless steel or Powder coating
Other Company	1ton(ton/day)	Air-cooled	Fresh water (water freezing)	Opaque by air layer formation	15~20 minutes	-



CRACK ICE

Daily output(kg/day)	250kg / 1day
Ice capacity(kg)	70kg
Power consumption(W)	1Φ-220V
Size(WxLxH)	600x830x1,100mm
Cooling system	Air cooled
Shape of ice	Crack Ice



IMC-500

Daily output(kg/day)	500kg / 1day
Ice capacity(kg)	130kg
Power consumption(W)	3Φ-220V / 380V
Size(WxLxH)	760x620x1,100mm
Cooling system	Air cooled
Shape of ice	Crack Ice

IMC-1000

Daily output(kg/day)	1,000kg / 1day
Ice capacity(kg)	250kg
Power consumption(W)	3Φ-220V / 380V
Size(WxLxH)	1,090x620x1,100mm
Cooling system	Air cooled
Shape of ice	Crack Ice

※ Above product can be changed through product improvement.

- Condition : Outdoor temperature 21℃ Water temperature 18℃ & Water that do not contain salinity and other impurities



TAECHANG ICE Co., Ltd.

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