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## “The History of Samhwa Crown & Closure is the History of Bottle Caps in Korea”

Samhwa Crown & Closure is manufacturing a broad spectrum of bottle closures including CROWN, ROPP, PLASTIC and WHITE CAP, and is growing as a renowned bottle closure company in both the domestic and international markets through the development of various new products.



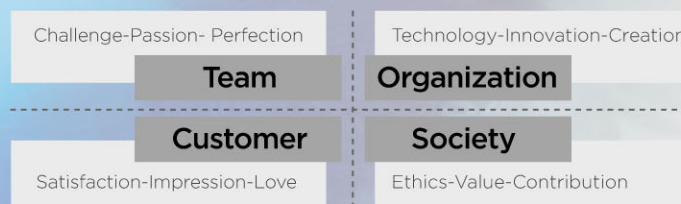
## Samhwa Crown & Closure

Samhwa Crown & Closure received recognition in both the domestic and international markets with continuous technology innovation and R&D. Ever since our company exported the first bottle closure from Korea in 1977, we have been supplying bottle closures to numerous countries including Japan,

China, Vietnam, Philippines, Mongolia and New Zealand, as well as to the world renowned beverage company, such as Coca-Cola and Pepsi Cola. We are also doing our best to develop new products for the advancement of packaging industry, and are designated as an environmentally friendly company, fulfilling our corporate responsibilities. We will continue to do our best to become the No.1 bottle closure company in the world, receiving admiration and trust from our customers.



### CORE VALUE OF SAMHWA CROWN & CLOSURE



When **Team** challenges with passion and do his work perfectly,  
When **Organization** creates new value based on technology innovation,  
When we contribute to **Society** with ethical value,  
Then, **Customer** will be satisfied and impressed and love us.

“We leap forward as a world renowned bottle closure company”

From the foundation of our company in 1965 up until now, we have been working hard with the belief that we would make the world's best bottle closure. Such efforts laid the foundation for the company to become the first and best bottle closure company in Korea today.

## History



**1960**

**Sanhwa Crown, beginning of history**

**1965.05** Samhwa Crown Industrial Company established

**1966.01** Incorporated as Samhwa Crown and Closure Co.,Ltd.

**1970**

**The first bottle closure export from Korea**

**1972.12** Designated as manufacturer of bottle closures affixed with tax seals

**1973.03** Technical cooperation with Toyo Seikan Kaisha in Japan

**1976.05** Publicly offered

**1977.04** The first bottle closure export company in Korea

**1980**

**Construction of the second factory**

**1982.01** PE Crown lining M/C domestic production

**1986.07** Initiated capping plant business

**1990**

**Develop new market with various products**

**1994.12** Joined Doosan Group as an affiliate company

**1996.03** Technical cooperation with JCC in Japan

**1996.10** Initiated PLASTIC CAP production

**1998.10** Initiated WHITE CAP production

**2000**

**Continuous R&D and technical cooperation with advanced companies**

**2004.03** Technical cooperation with AMCOR (currently SILGAN in US)

**2005.08** Developed CRC (Child Resistant Closure)

**2008.03** Designated as the bottle cap manufacturer of deep sea water

**2008.05** Added ASEPTIC CAP line

**2010**

**Rebirth as a Kumbi Group affiliate company**

**2010.10** Joined Kumbi Group as an affiliate company





# Awards & Authentication

|      |         |  |
|------|---------|--|
| 1970 | 1970.12 | Obtained approval letter from Coca-Cola for bottle cap specification & sanitation                            |
|      | 1974.05 | Obtained KS mark approval for CROWN caps   |
| 1980 | 1984.07 | Received "New Town" presidential award   |
| 1990 | 1993.10 | Received the presidential award at the National Product Quality & Technology Individual Group Contest        |
|      | 1995.10 | Received the bronze medal at the National Product Quality & Technology Individual Group Contest              |
| 2000 | 2000.10 | Selected as the best manufacturing factory of Korea  |
|      | 2006.07 | Obtained ISO 9001:2000 quality management system authentication  |
|      | 2006.09 | Obtained SINGLE PPM authentication<br>(Small & Medium Business Administration)                               |
|      | 2006.10 | ISO 14001 environmental management system authentication   |
|      | 2006.12 | Received the best company award in quality management<br>(Korea Environment & Merchandise Testing Institute) |
|      | 2007.10 | Received the best company award in garbage disposal (City of Ansan)  |
|      | 2010.08 | Obtained ISO 22000 food safety management system   |
|      |         |  |



# CROWN CAP

Typical bottle caps which are easily found everywhere

These are used in products such as alcoholic beverage and soft drinks, which can be purchased easily everywhere and are typical bottle caps, which are easily found. Because we care about the freshness and stability of the contents, consumers can have trust in our products.

## Product Features

- Excellent seal
- High speed capping
- Reasonable price
- Manufactured according to strict international quality specifications

## Advantages of Our Products

- Production of crown in various thicknesses (0.22mm-0.28mm)
- Internal printing
- Has product quality authentication from world renowned companies such as Coca-Cola
- Production of POP Crown which can make a rhythmic sound when it is opened





# ROPP CAP

Roll On Pilfer Proof

Bottle caps of excellent quality,  
raising the product value

These are products with elegant designs and diverse shapes, which raise the product value. They are rust free and suitable for Soju, Spirit and Health drinks. Samhwa Crown & Closure manufactures various sizes of ROPP caps and it carries the biggest production line in Korea.

## Product Features

- Prevents replacement of fluids and counterfeiting of content
- Prevents rust with high-purity aluminum

## Advantages of Our Products

- World's best production capability
- Production of various sizes (22mm-70mm)
- Can manufacture products appropriate for buyer's production condition (HOT FILL, COLD FILL, Pasteurization, etc.)
- Government-designated supply company(bottle cap for liquors)





# PLASTIC CAP

Combines practicality and safety with sealing and oxygen absorption function

Our plastic caps include HOT FILL, CSD, and ASEPTIC CAPS used for soft drinks and mineral water. Samhwa Crown & Closure developed and is supplying a one piece cap with an excellent seal and a plastic cap for beer with oxygen absorption function.

## Product Features

- Light weight
- Safe when opened
- Prevents replacement of fluids and counterfeiting of contents
- Production of bottle caps of various colors and shapes is possible

## Advantages of Our Products

- Production of various types of plastic cap (HOT FILL, CSD, ASEPTIC, SOJU, BEER)
- Internal printing
- Has product quality authentication from world renowned companies such as Coca-Cola
- Government-designated exclusive supply company (Deep Sea Water bottle cap)
- Production of oxygen absorption applied products





# WHITE CAP

## Long-term preservation without spoilage

These are vacuum bottle caps made of metal, which make long-term preservation of food possible (3-5 years) without the use of artificial preservatives. They are safe because spoilage can be observed with the naked eye. The flute shape is convenient so that children or elderly people can open bottles easily. Samhwa Crown & Closure is supplying world class products by signing technical cooperation agreements with SILGAN, which developed the world's first WHITE CAP.

### Product Features

- Preserves contents for a long time without preservatives by maintaining a full vacuum
- convenient so that children and elderly people can open the bottles easily

### Advantages of Our Products

- Signed technical cooperation agreement with SILGAN in the US, the world's first WHITE CAP developer
- Production of various size products (27mm-89mm)
- Developed and supplies world's first 30RTB for RETORT





# PT CAP

Press-On Twist-Off Cap

## Excellent sterilization and sealing

Since sterilization and sealing are excellent, these are widely used for retort process at 120 degrees Celsius or above such as dairy products or coffee drinks. Their performance is proven internationally.

### Product Features

- Can be simultaneously applied to RETORT (120 degrees in Celsius or above) and HOT FILL products (Soy milk, Coffee, Baby food, etc.)

### Advantages of Our Products

- Signed technical cooperation agreement with SILGAN in the US
- Supplies to top companies in Korea such as LOTTE, HAITAI, Maeil Dairies and STARBUCKS





# INJECTION CAP

## Embodies diverse shapes as desired

Because there is no limit in design, production of various shapes is possible. Samhwa Crown & Closure opened the safety cap market by developing CRC (Child Resistant Closure), the first bottle cap for child protection in Korea. We are also the leading injection cap market by developing the environmentally friendly HINGE CAP, which allows separate discharge from the bottle.

### Product Features

- Good for making complex and elaborate products
- Can be used for diverse products such as containers for medicine or cosmetics

### Advantages of Our Products

- Has design and mold manufacturing technology to produce various shapes of products





# METAL PRINTING

## Elaborate Metal Printing Technology

Coating, printing and silicone process prevent damage on the exterior of products, and elevate the commercial value of products. Because Samhwa Crown & Closure has advanced technology which can process from design, photoengraving, coating to printing for all metal printing products, we are consistently supplying top quality products.

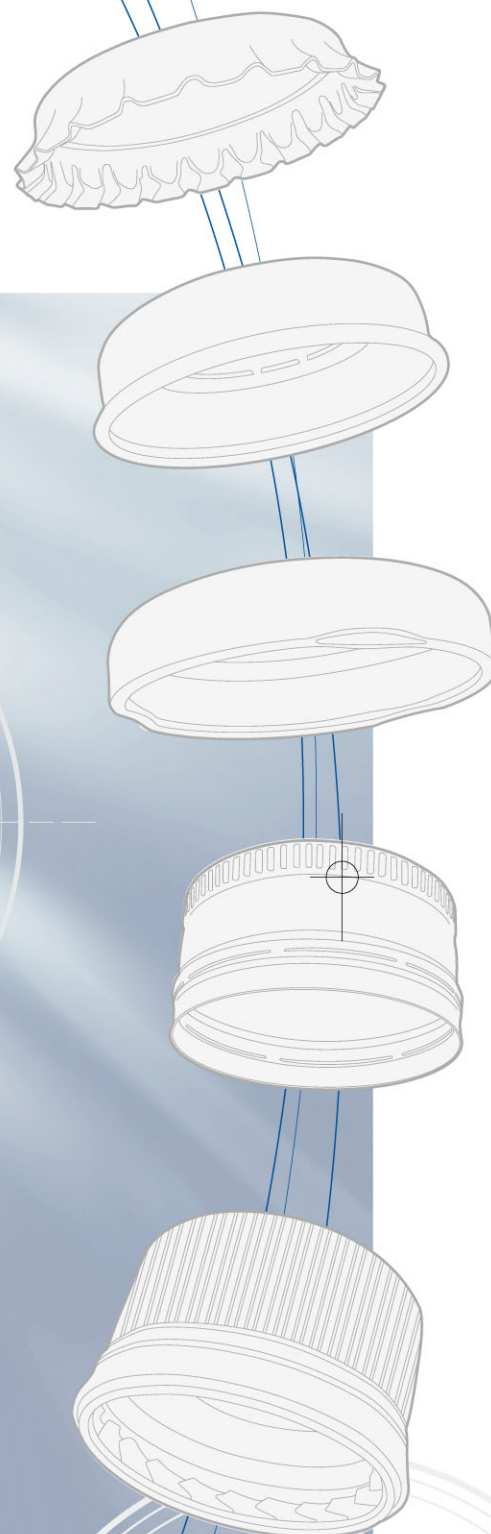
### Advantages of Our Products

- Non-stop service from design, printing to production



21 CORRUGATION

Samhwa Crown & Closure makes  
the world best quality of closure



"X"



# PRODUCTION LINE

## CROWN CAP



Photoengraving



Painting & Printing



Press



Lining



Inspection



Calculation



Packaging



Storage/Shipping



21 CORRUGATION

Samhwa Crown & Closure has an optimal production system, which can produce top quality products, base on strict quality inspection and long-term know-how.

## PLASTIC CAP



Shell Making



Aging



Curling



Lining



Printing



Inspection



Packaging



Storage/shipping





# To Become the World's No.1



## Superb Research Personnel

### The future of Samhwa Crown & Closure

Samhwa Crown & Closure is operating an R&D team composed of professionals in order to keep up with world class product quality, which continues to go up. Our R&D team not only actively seeks to achieve customer satisfaction by participating from the product development stage but also tries to establish an efficient production system, which will allow high quality production at low cost, by developing production equipment. We are solidifying our position as the best bottle closure company in Korea through technical cooperation with renowned companies around the world, including the US and Japan, which have advanced technology and continuous Reserch & Development.



We will try to achieve world class quality through continuous R&D and technical cooperation.

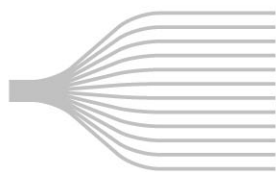


## CTS Team (Customer Technical Service Team)

Samhwa Crown & Closure provides a total solution for customer satisfaction, ranging from equipment diagnostic service, maintenance to repair by operating a CTS team composed of professionals who have more than 20 years of experience. Such a high technical competence and fast support service are the foundation which has helped build trust between our customers and our company for a long period of time, and garnered a good reputation from overseas customers as well as domestic companies.







samhwa  
crown & closure