



# CORK

Table with ice bucket

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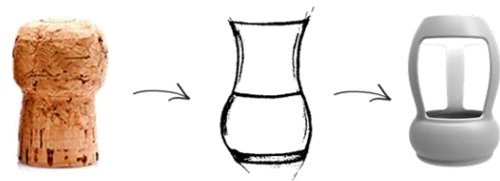
## Concept

Cork aims to create a new concept of outdoor furniture, allied to a unique and distinct way. The piece can be considered an icon that explores new markets for the SMC BMC and takes advantage of many of the advantages of material performance.

## Why CORK ?

The object is inspired by the shape of a cork stopper and what it represents, in the context of its use. The cork itself carries a symbolism about celebration, conviviality and meeting between people, also as a relation to the feeling of joy/happiness.

The Cork table has a direct relationship with this concept, because its function encourages people to this conviviality and this meeting around the table. And just as a cork keeps a drink inside a bottle, the cork table keeps bottles inside.

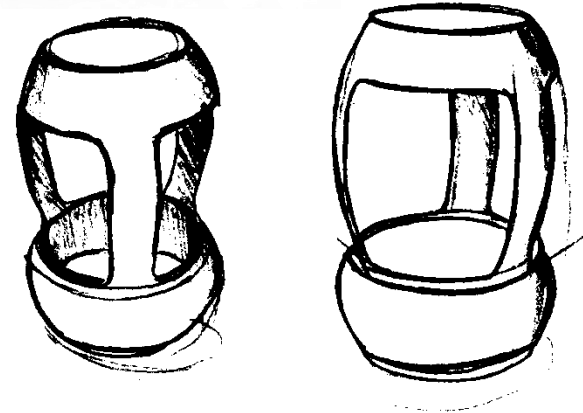


Inspiration in the shape of the cork stopper



# CORK

Table with ice bucket



## What is?

**CORK** is an outdoor table with an ice bucket and lighting, created for moments of leisure and conviviality. The piece is transportable through 3 side handles and allows to store all type of drinks.

## Functions

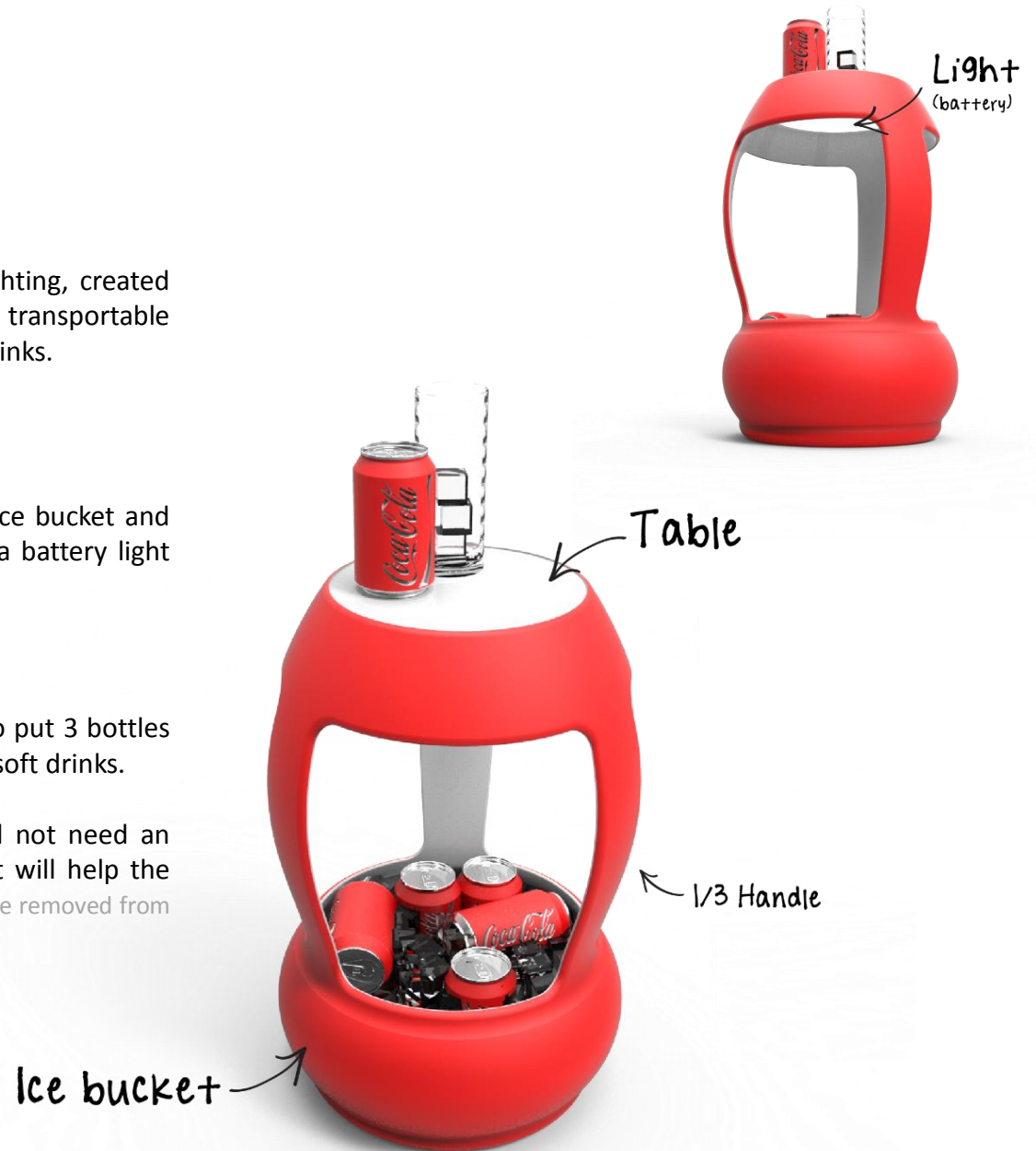
The piece has several functions, among them; Table, ice bucket and lighting. It has 3 handles for easy transportation and a battery light inside.

**Table** – can hold, at least 4 cups

**Ice bucket** – they have a large capacity, it is possible to put 3 bottles of wine, about 12 bottles of beer and about 15 cans of soft drinks.

**Lamp** – The lamp works with an electric battery and not need an external power supply. It will be presence light and it will help the user to locate the drinks better at night. \*The light can be removed from the object without compromising any of its functions.

Simulation of merchandising



## Where is it used?

The piece can be used in private spaces (in your homes) or public spaces ( bars, restaurants).

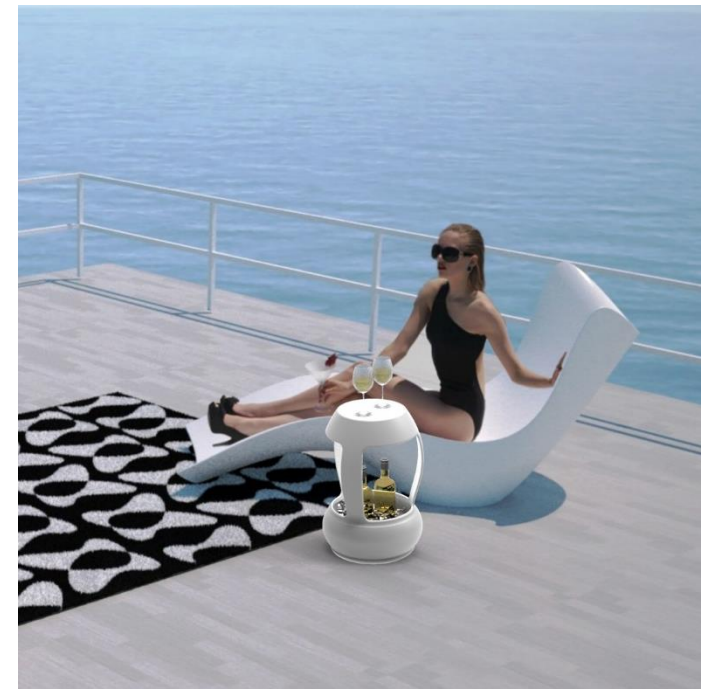
The part can be used in;

- Gardens
- Terraces
- Beach
- Another type of outdoor spaces.

## Who can use it?

The piece can be used by adults and children, being more indicated for adults.

Simulation of the piece in private environment (top) and in public environment (low).



## Marketability

The piece can be used by many global beverage brands that want a merchandising piece for their products.

The table has an enormous commercialization potencial, in several markets; the outdoor furniture, bars and beverage market, that can use this product to equip their terraces in gardens or on the beach.



## Performance Criteria

The piece is designed to take advantage of SMC BMC, and its unique and differentiating properties. Among them its strength and stiffness, electrical insulation performance, resistant to high temperatures and predictability of its dimensions.

**Strength and stiffness** – necessary for the impact of use, when its using and transporting.

**Electrical insulating performance** – because the piece has electricity.

**Resistant to the high temperatures** – The piece is used outdoors and will be exposed to the sun. A material that maintains its properties under these conditions is essential. The ice will have direct contact with the material, and it is necessary that the material does not deform with this exposure.

**Predictability of your dimensions** – The part must be manufactured in more than one part, and its essential that the parts when are removed from the mould maintain an extreme accuracy in measurements





## Feasibility in SMC BMC

One option for the mold would be in 3 equal parts with 120 degrees each. After molding the 3 pieces are glued with special adhesives. Each piece would be shaped horizontally (see in the image low) for better surface quality and make the process more easier.

At the top a piece of rubber will be placed, to avoid the objects slipping and to cover the visible lines of the glue

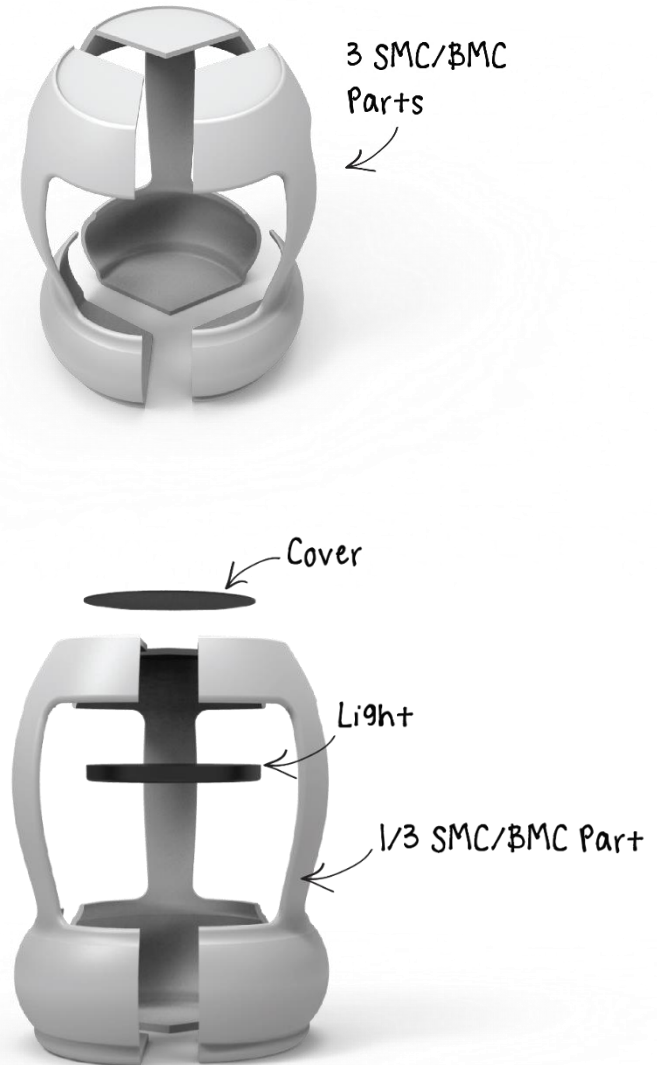
\* This was the type of mold thought, not excluding the possibility of the part being made in another way

## Painting

After the 3 equal parts be removed from the mould, they would be glued and later painted, with several painting options



Solution for the mold



## Dimensions

The piece has small dimensions, which makes it more feasible for production and with lower costs.

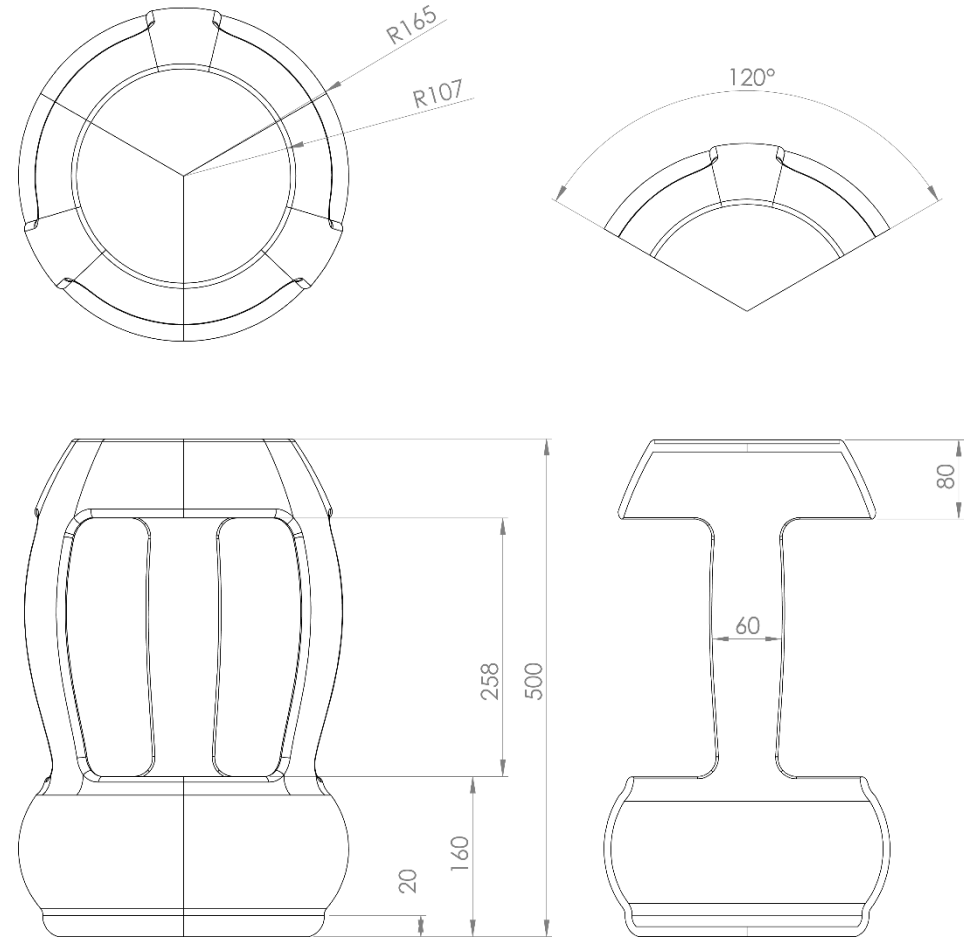
### Total

The table has 500 mm high, 214 mm in diameter at the top and 330 mm in the widest part of the bottom.

The ice bucket has 160 mm high, the lateral spacing between the two handles will be 160 mm, and each of them will have a height of 258 mm.

### 1/3 Equal parts

One part is equal to 1/3 of a circumference, each one having 120 degrees. The height at the top is 80 mm and at the bottom 160 mm. The maximum distance in the handle area is 60 mm.





## Details

**Cavity** – The piece has a small cavity at the top that serves as a stop for the cups and objects placed on the table.

**Handles** – For easy transport of the piece it has 3 side handles that fit in the span of a hand (see handle in the image below).

The part is designed to be manufactured in SMC BMC, all surfaces have been properly rounded and the thickness is the same throughout the entire piece.

\* If you need to put ribs or inserts inside the piece, its not a problem because there is no impact on the exterior design of the piece.



Detail of part (top) simulation of table transport (low)

## Iconic piece

This piece can be considered an icon, by its distinct form and function, which creates new applications for SMC / BMC.

It is easy and viable for production because of its small dimensions, because it creates a new concept of furniture for outside spaces and because it has an enormous commercialization potential.

Simulation of the table in its context of use.

