

There has a plenty of Bluetooth speaker, wireless charging and mobile stand in the grocery store, you can imagine if somebody picks up those three details to outside or at the desk, it will get trouble and use a great deal of space along the desk. Stand on it, we do a great deal of research and study consumer point of view, end up, we create our idea through the twist to provide a fresh resolution to merge the parts. We treat the idea of rendering and describe the material which we want to achieve for the end-product, we try several sizes of the cube to find out the most portion of the workforce. And that, we find out that the wood pattern combines with the metal finishing which can create the harmony and make easy to user insight.

Twist cube is our focus project for this year, we want to offer a novel experience for all users. We unite with the practice features with the new structure – twist to be our major component functions for the cube.

Design concept :

The Twist cube has three features include wireless charging, Bluetooth speaker and the mobile stand . The user just simplicity to twist the top division of the merchandise, it will switch from wireless charging to be a mobile stand as vice versa. It retains a less parts, but do in a multi and practice feature for the user.

Keep simple form, use proportion in 3:7 and ' R ' dress up for an edge, use natural shade material for finishing in material combination to work for everyone.

The user can be played the music through the Bluetooth speaker, at the same time, a user can put the mobile device on top of it and blaming the device right out from the wireless charging panel. On the other hands, turn the top part, it can be a mobile base and allow user to capture the picture show or serve a meeting well!

Simply twist it, it can produce a singular and well mixed with the user as well.

Twist cube suit to apply on different location, such as authority, meeting or outdoor activate. The material mainly uses metal instead of plastic for the main body, it saves investment for the tooling cost and the environment as well.

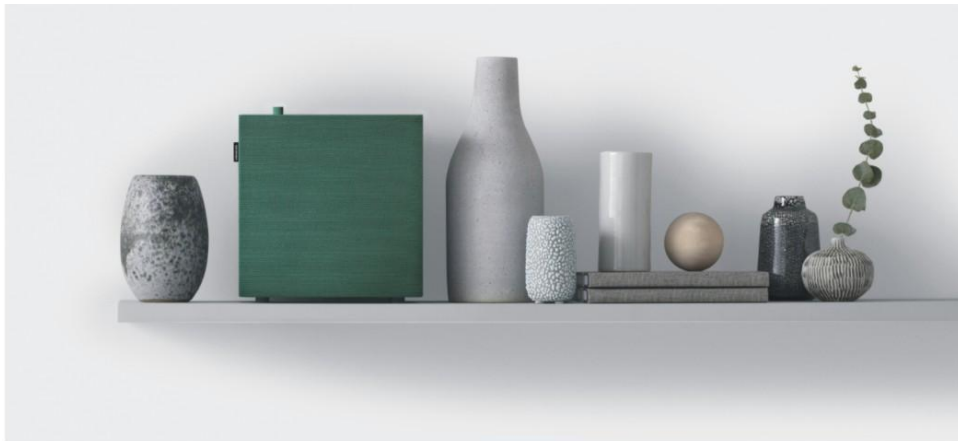
Material :

The material to show up the styles and unique, touching in wood pattern, cotton speaker net and the metal ring around the cube .

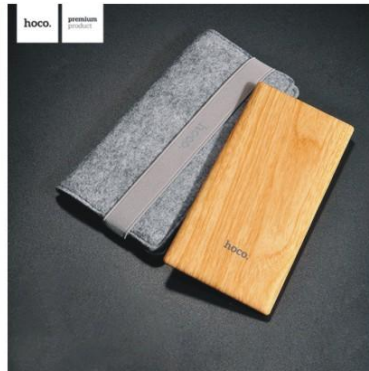
Design process : **Research stage**

The product research in shape / direction / material :

Here are the research on product in primary shape , monotone colour , nature material colour and material also !



Wood / bamboo / cotton cloth material:



A nice high tech with black colour toners in primary shape:

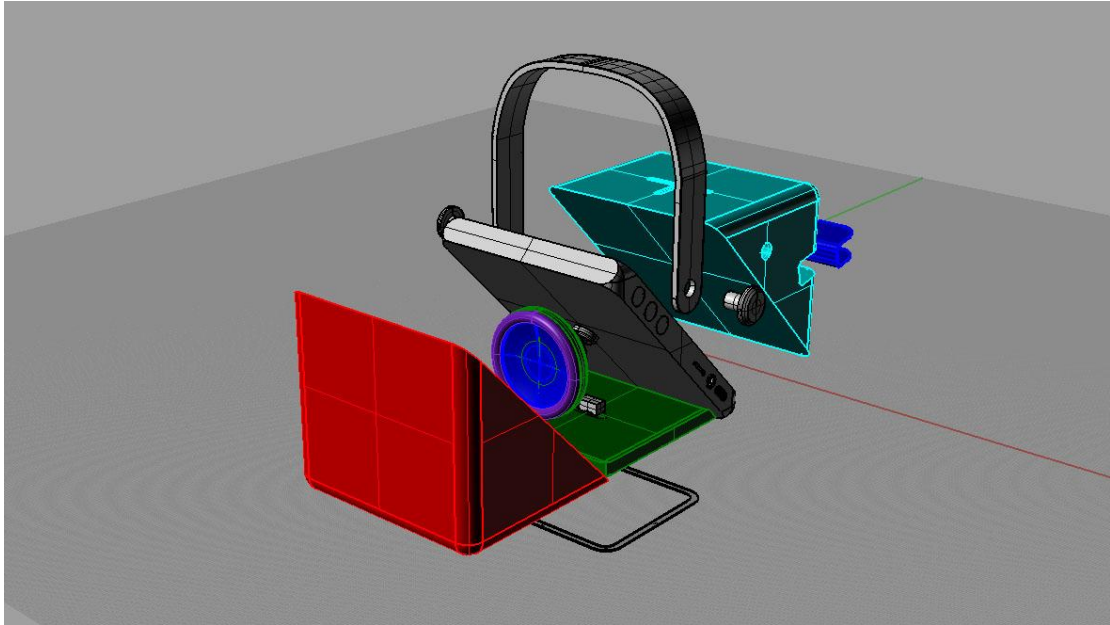


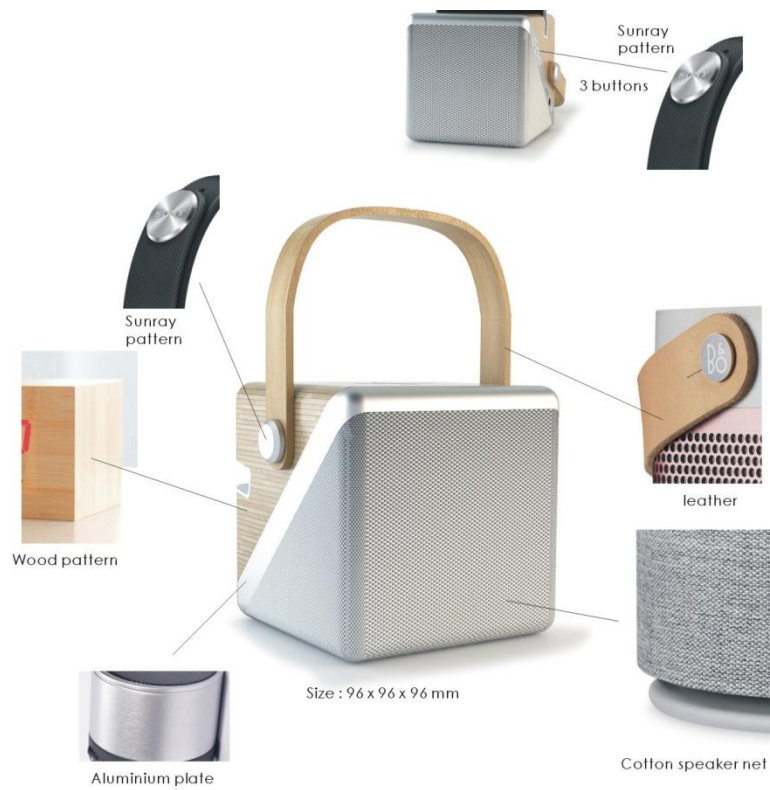
In conclusion :

We will take out some interesting points and select the special or unique material to form our own design , avoid and solve the problem and apply the features to our new item – **twist cube** .

The rendering :

We process the idea to rendering and describe the material which we want to achieve for the end-product :





Different finishing testing for the twist cube :



The development in mock up processing :

We do a lot of mock up to test the size , features or twist etc.. Here are some refer pictures to show up the processing:



Different size test



The final product spec :



Size : 96x96x96 mm

Features : Wireless charging , Bluetooth speaker , mobile stand with PU leather handle . It also has the micro SD card for play music individual

Wireless charging: 5000MAH

Input : 5V/1.5A (7.5W)

Output :5V/1A (5W)

Bluetooth speaker :

BT 3.1 version

5W and play up to 6-8 hours

Material :

1)Speaker net : cotton

2)Metal ring (middle part)

3) Water transfer 'wood pattern ' on plastic case

4)PU leather (handle)