

# PORT FOLIO

---

Product Design





## Hello, I am Nikita Nair

I am currently in my final year at Nirma University, pursuing B.Des (Industrial Design). My foremost approach to design has always been the recognizing of core problems at hand. I believe that solving problems through design amplifies a product's importance in the world past the aesthetics level. The most importance part while designing is empathy for me.

### Contact

9574071830  
nikitanair.jan@gmail.com  
<https://www.behance.net/nikitanair>  
<https://www.nikitanairr.com/>

### Education

Nirma University B.Des (Industrial Design)	2018-Present
HSC Edunova Science Higher Secondary School	2017
SSC Best Higher Secondary School	2015

### Software Skills



### Experience

Summer Apprenticeship Gaatha Handicrafts (5 weeks)	2019
Summer Internship RUR Greenlife (6 weeks)	2020
Summer Internship Point Of Care Biomedical (8 weeks)	2021

### Achivements



**D'source Corona  
Design Challenge**  
(3rd Round Winner)

2020



**ROBOFEST 2.0**  
(Selected For Final Round  
- Ongoing)

2020



**TOYCATHON**  
(Selected For Final Round  
- Ongoing)

2021



**CREATIO' 9th Annual Design Competition 2021**  
(Secured the Winner & First Runner up  
Position)

2021



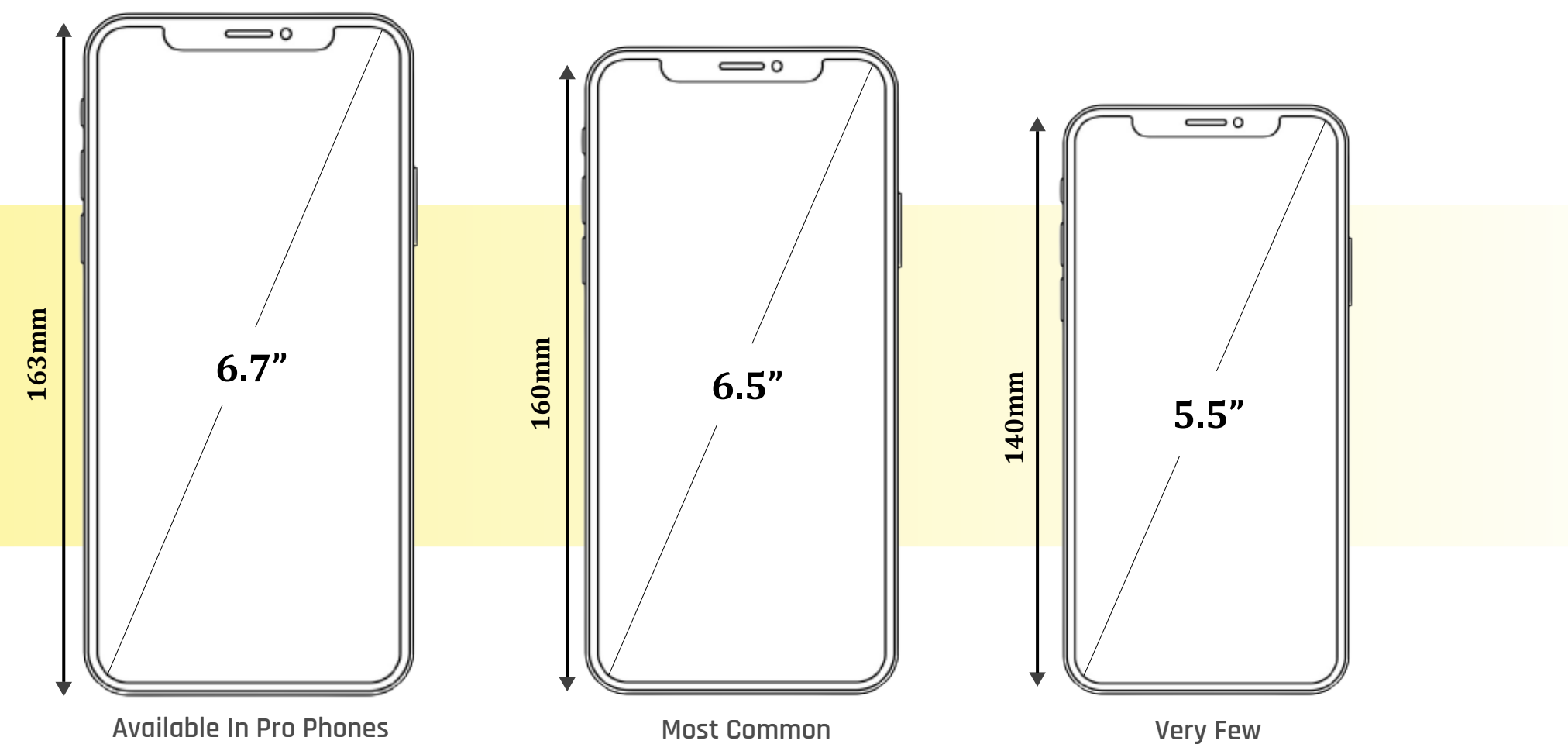
## Flexi-Tend

A comfortable **product for power bank** which is Portable, Adjustable, Long Lasting and can hold your phone on the go. The slider is adjustable so that you can fix any type of smart phone. You can use it while working, playing, walking etc.

Charging

The slider attachment has a **spring mechanism**, therefore the slider can adjust according to the smartphone. There is a space in front of the slider so that you can use your phone while it is fixed in slider. The sides have grip so it is easy to push and pull the slider.

## Phone Dimensions



The **body is made of plastic** and you can store your power bank and the cable inside it. Due to the plastic material, **it will last longer**.

The cap is made of plastic. It will make sure that the power bank and the cable does not get out of the body and protect it.

The **holder will be adjustable** with a spring mechanism. There is a base given so that the phone can be kept easily. In between both the base, there is a space so that cable can be attached easily.

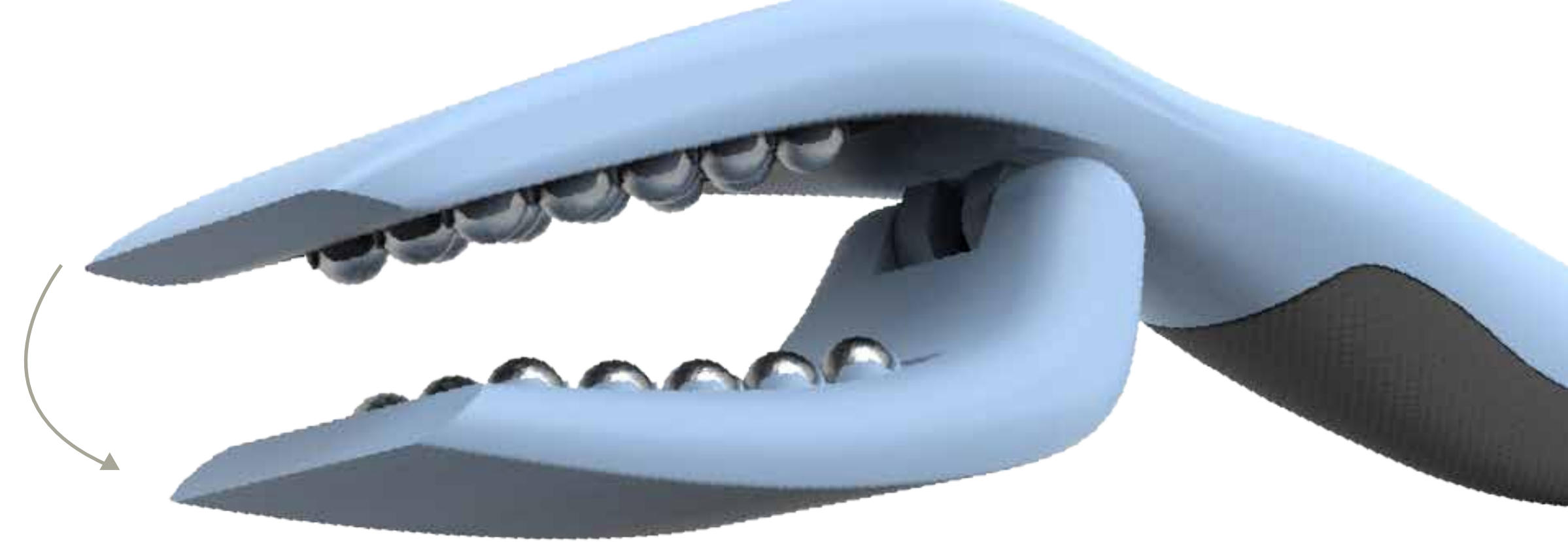
The bottom of the body has a cavity so that the cable can pass through it and can be **attached to the phone**.





# ZEN

A **handheld massager** which can adjust it's head according to your feet and give you a perfect massage.



There are **2 heads of this massagers**. Each head has 15 rollers in it. The top head is fixed and the bottom head is adjustable. Heads stretch according to the users feet and the rollers mover accordingly. Between both the heads, there is a spring mechanism due to which the movement of the heads can be adjustable.

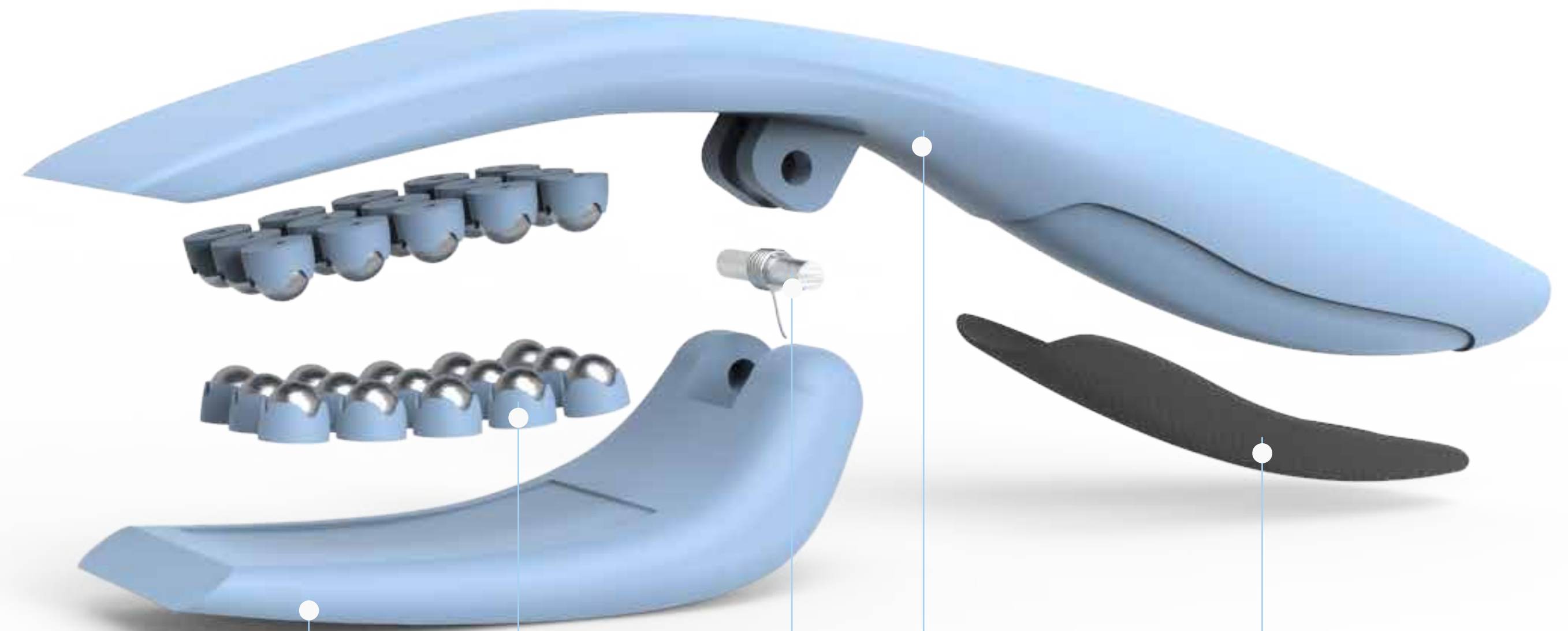


The massaging rollers are fixed in such a way that the **rollers can rotate 360°**, according to the user's feet. The rollers will also provide pressure to the feet, like a hand massage therefore the muscles will be relaxed.





The movement while massaging a feet is very precise. We massage with both hands, maintaining a pressure on both the sides of the feet. Also, the thumb and the figures puts pressure on the part which is painful. As, the massager has 2 heads, it will maintain the pressure on the feet from both the sides and the rollers can rotate 360 therefore the pressure is perfect.



**Bottom Head**

**Rollers**

**Spring**

**Top Head**

**Rubber Grip**



While massaging with hand, we make a claw like shape and then massage. This massager has the same form of a claw which will maintain pressure perfectly. The spring allows the heads to adjust according to the feet or calf, making it much easier to use.



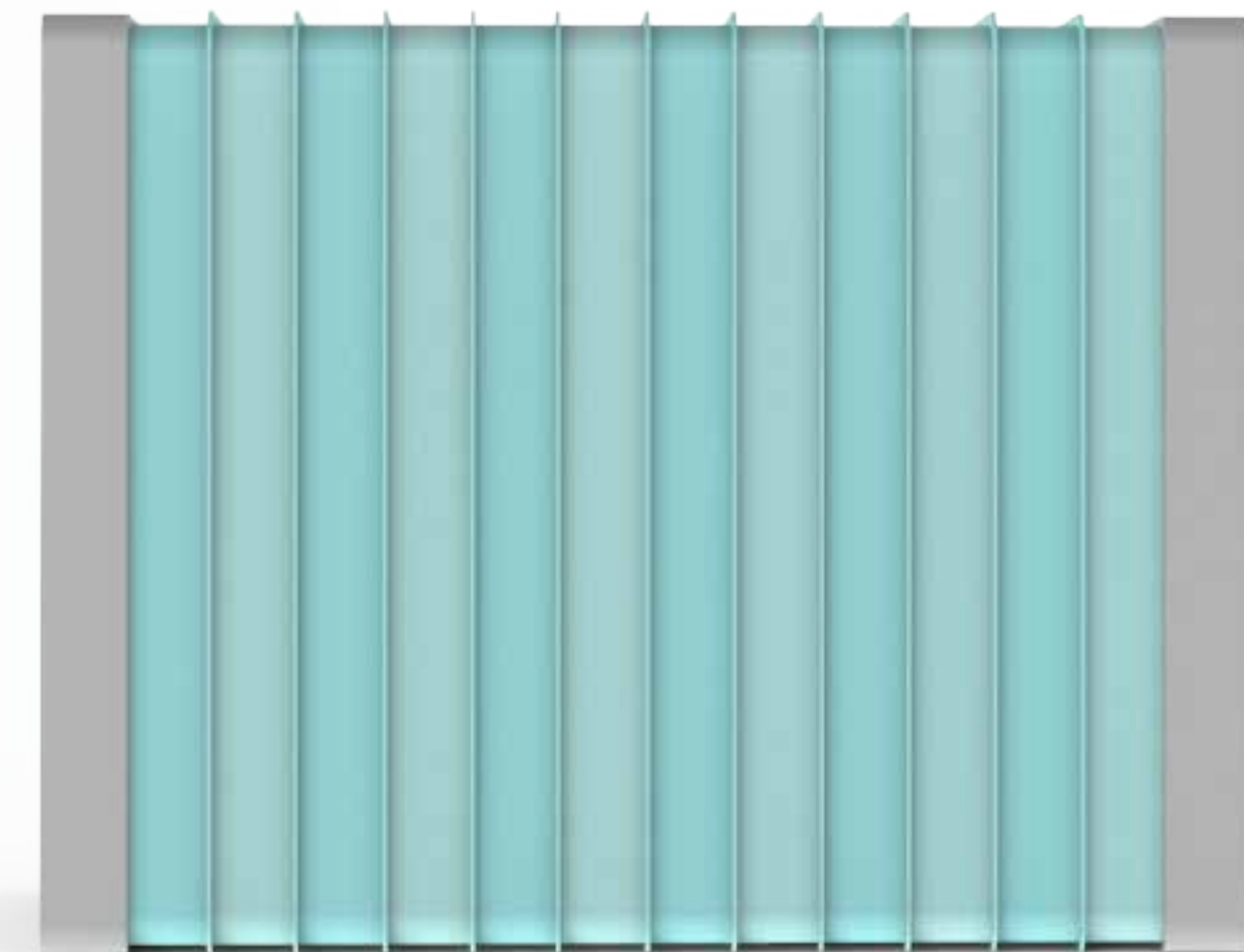


## *Safe-Pod*

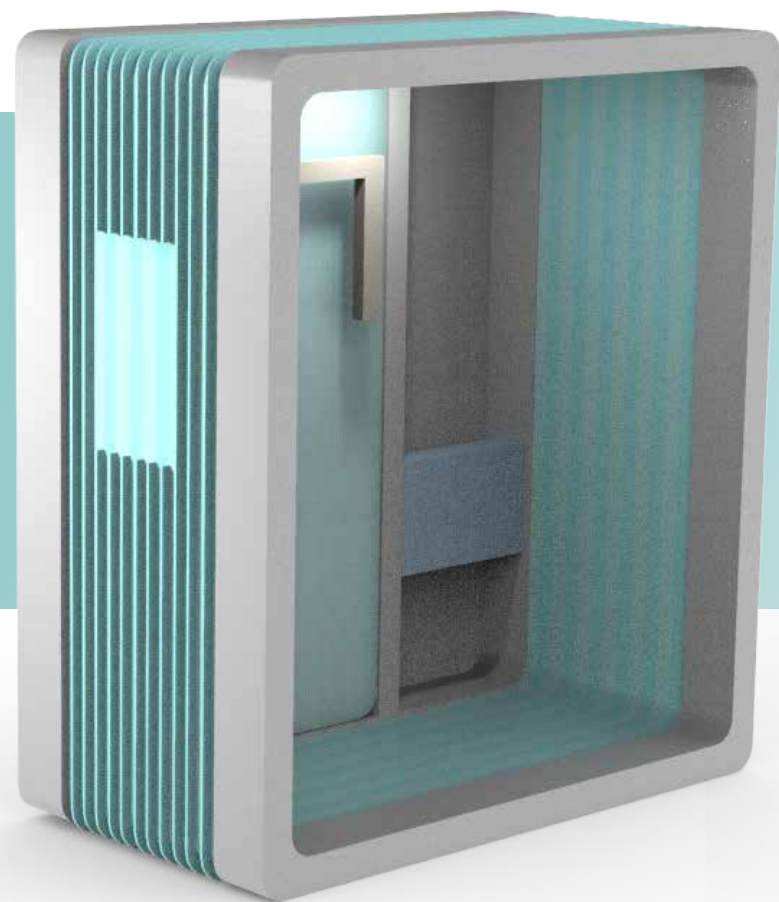
A portable Isolation Unit for Covid-19 patients.

Safe-Pod is a modular and portable isolation system to be used in hospitals, homes or in quarantine facilities. It can be used in various situations, locations and environmental conditions, easy to assemble.

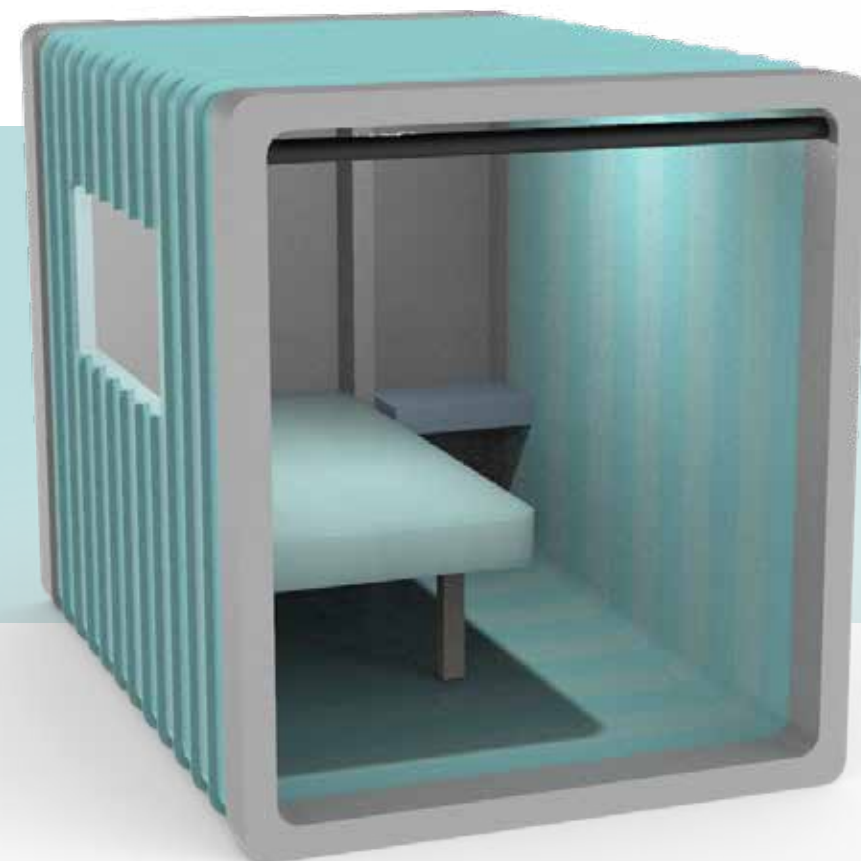
The body is made of nylon fabric therefore it is strong, waterproof and elastic. The fibers have excellent toughness, abrasion resistance, and are easy to wash. So, we can use it as the foldable outer part.



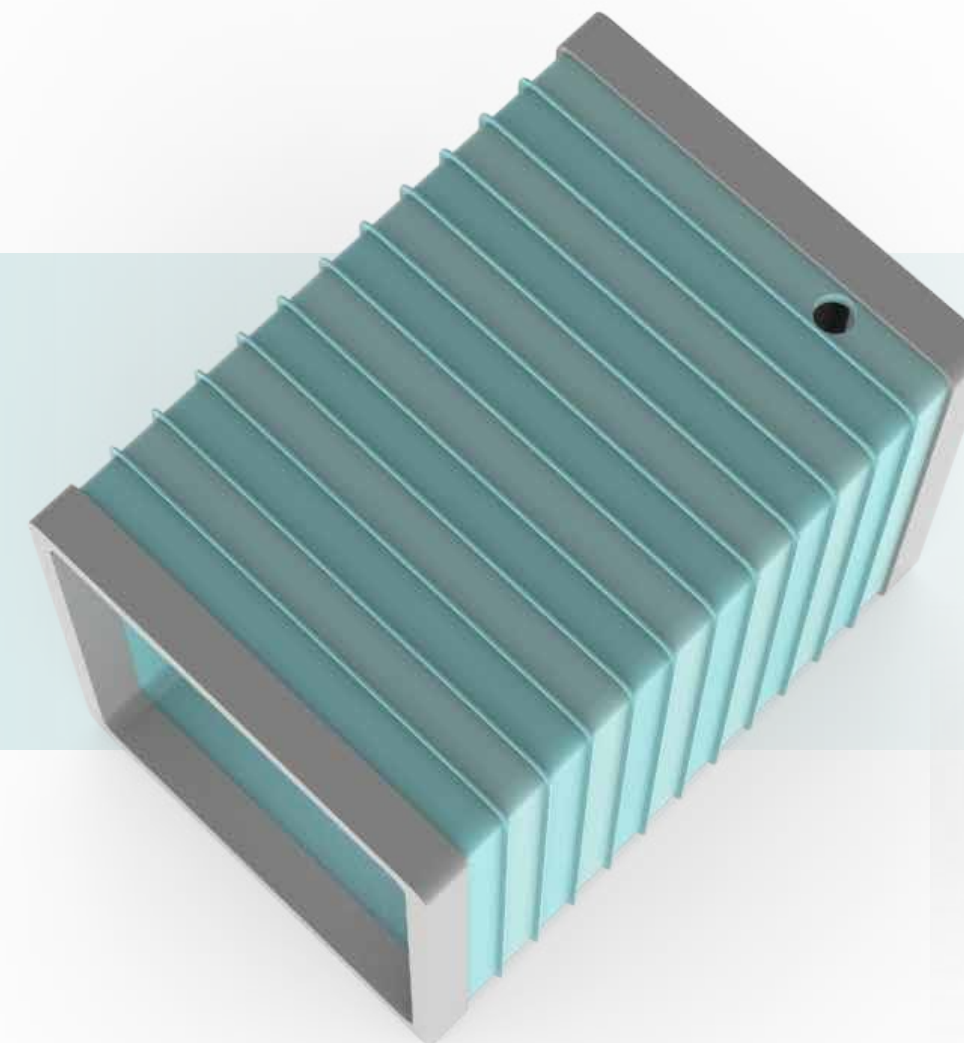
## Assembly



STEP 1: To place the unit on a flat surface and stretch open the unit completely.



STEP 2: To fold open the bed and the side table for the patient.



STEP 3: To connect the air filter with the unit, through the upper hole of the unit.



STEP 4: Add the curtain to the unit. Unit is ready to use.



Will take 10-15 minutes to assemble.



1-2 person is enough to assemble.



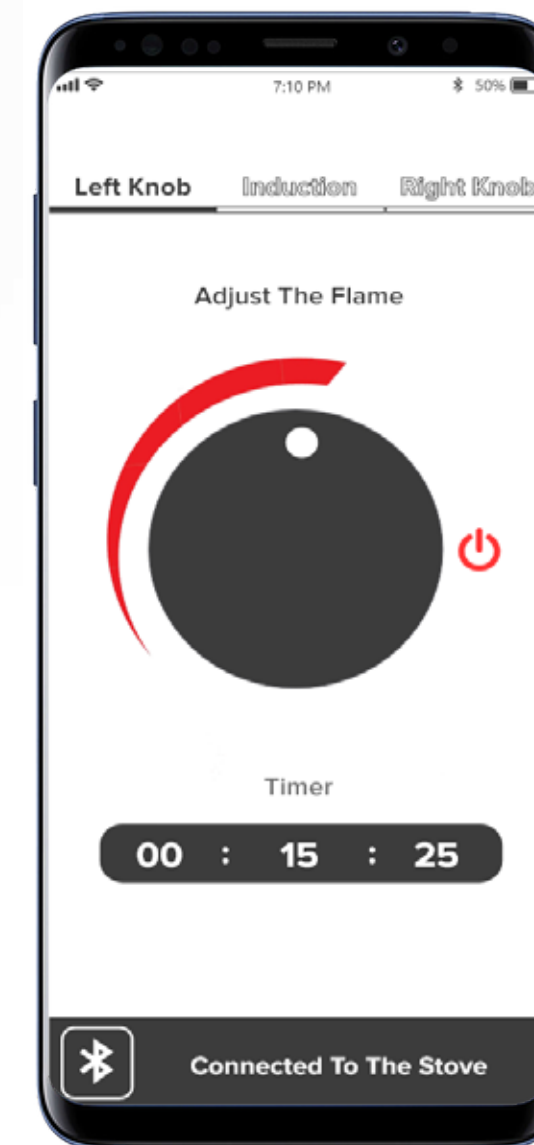
Can be easily set up at Home, Hospital and Playground

For more details: <https://www.nikitanairr.com/safepod>



## Cookstable

A hybrid cookstove which has a combination of gas burner as well as induction. The stove can also be operated by an app as well as manually and which turns off automatically in case of any gas leakage.



### Features Of Cookstove.

- Has a combination of gas burners as well as induction.
- The knobs can be operated by the app. Therefore, we can adjust the flame or turn on/off accordingly.
- The app would be used via Bluetooth therefore the user can use the stove even from a distance.
- The app would have features like timer, controlling knobs of the burner, controlling induction as well as inbuilt time set for some recipes (Dal, Rice, Milk, Non Veg etc)
- The stove have gas sensors so that, accidentally the knob is still on and gas leaks then the knobs will be automatically off.

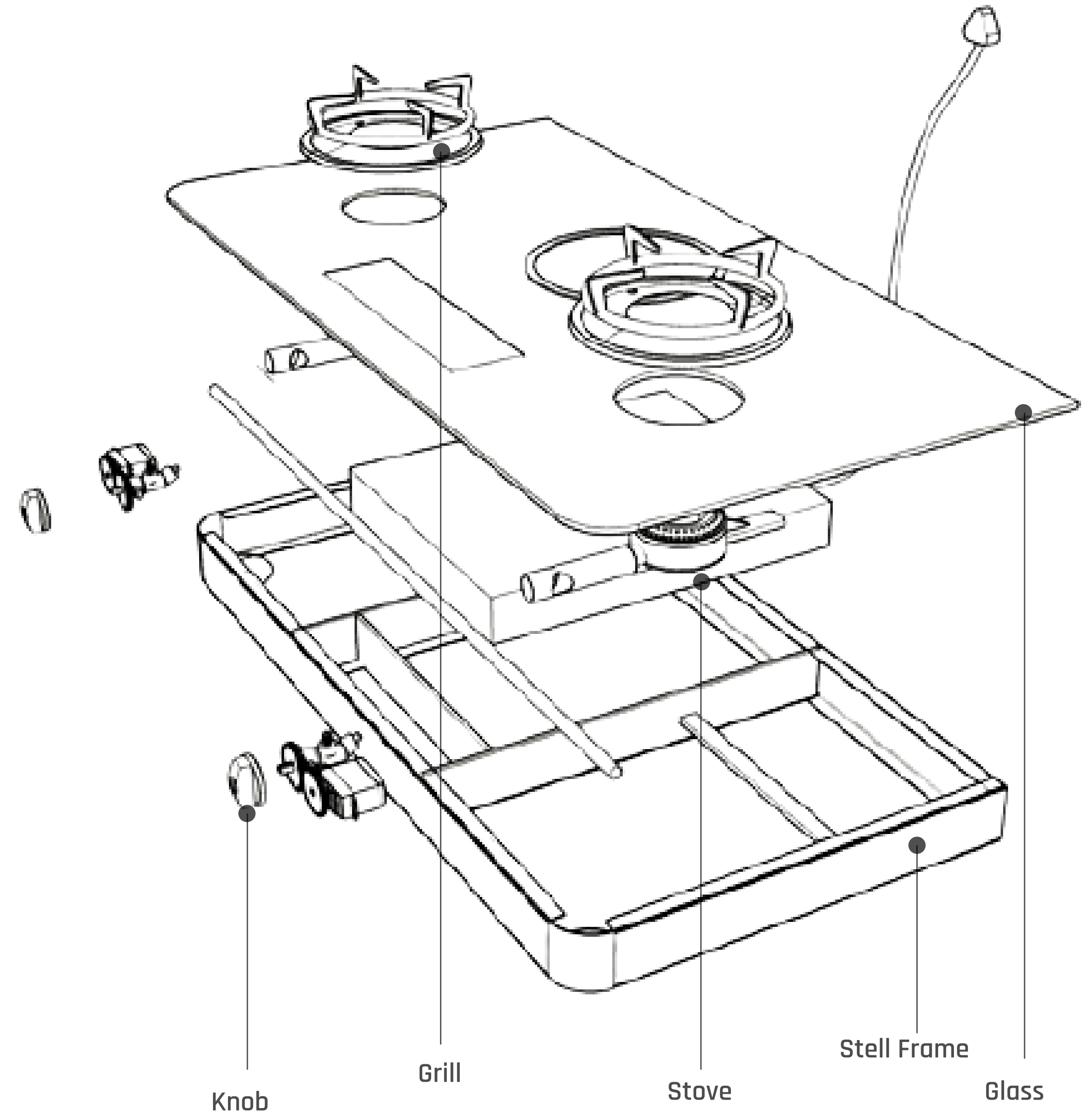


## Different Cookstove



A kitchen stove, often called simply a stove or a cooker, is a kitchen appliance designed for the purpose of cooking food. Kitchen stoves rely on the application of direct heat for the cooking process and may also contain an oven, used for baking.

There are many types of cookstove. Cookstove has evolved a lot throughout the timeline. The pictures show some most common stoves.







# Thank You

---

<https://www.nikitanairr.com/>