

PORTFOLIO

PRODUCT DESIGN BY WESLEY MOORE

CONTENTS



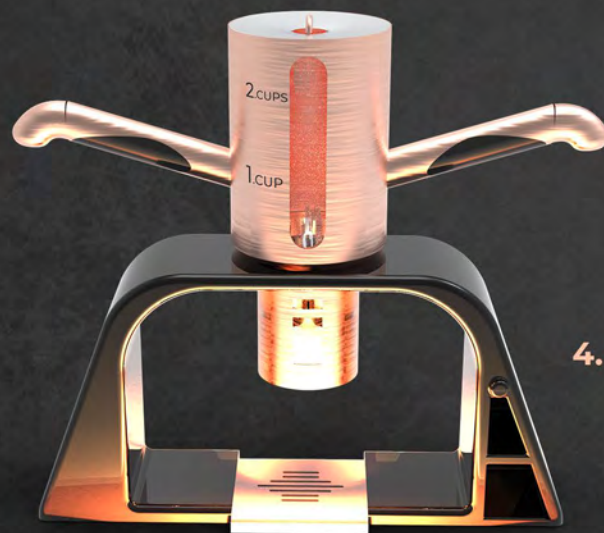
1. SUSTAINABILITY



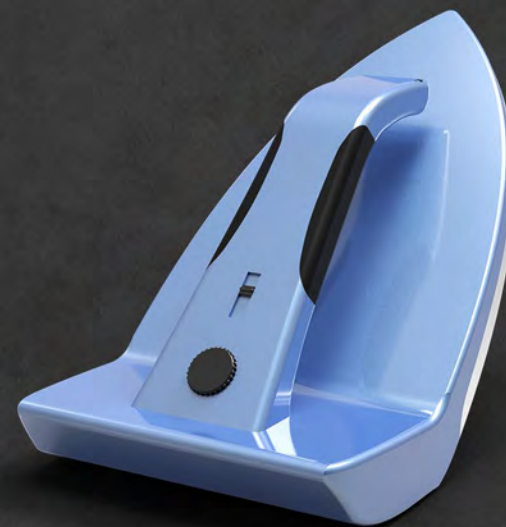
2. 'SNAP TRACKER'



3. HAIR DRYER



4. 'POUR-TEA-BLE'



5. IRON



ABOUT ME

PROJECT 1

ECO-PUFF

CARING FOR OUR ENVIROMENT
WITH SUSTAINABLE DESIGN



SUSTAINABILITY



PROJECT DELIVERABLE:

CHOOSE A PRODUCT TO REDESIGN WITH SUSTAINABILITY AS THE CORE VALUE.

DESIGNED FOR REPAIR AND MAINTENANCE.

CONSTRUCTED WITH ABILITY TO DISASSEMBLE.

LOW IMPACT MATERIAL PRODUCT.

RESEARCH & CONTEXT

Single use vape devices were banned in the US in 2020 due to their internal hazardous waste material. (The lithium battery and substances within the E-liquid.)

There is currently no legal way to dispose of a puff bar.
The best way to dispose of these devices is to deliver it to a hazardous waste facility.

The ECO-PUFF is my design solution which can be taken apart, enabling ease of re-filling, recharging and repair by the user.



MADE FROM BAMBOO, ONE OF THE MOST SUSTAINABLE MATERIALS ON THE PLANET



Pyrex glass tank.



FEATURES

Recycled stainless steel drip tip.

Recycled Aluminium threaded connectors.

Ceramic coil elements.

Stainless steel atomizer.

Recycled Aluminium threaded connectors.

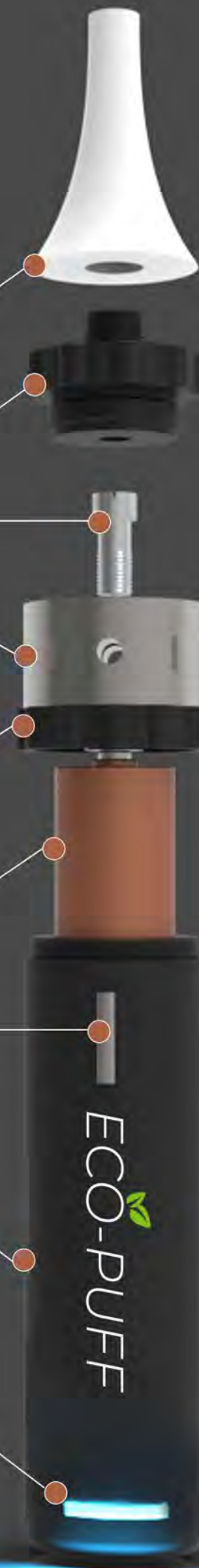
Rechargeable battery.

Power activator button.

Recycled Aluminium body.

'Operating' LED.

REDUCES EMISSIONS, LANDFILL WASTE AND TOXICITY TO THE PLANET.



Snap Tracker

FOR KEEPING AN EYE ON PRECIOUS BELONGINGS



DESIGN FOR A BRAND

'Re-design a product to capture the values of a chosen service brand.'

SKILLS:

- Understanding of product semantics.
- Improved knowledge on the emotional response which design can provoke.
- Connecting with target audience through brand-based design.
- Ability to apply critical thinking throughout development.

25% CREATIVE

25% SECURE

20% PLAYFUL

10% ENERGISING

17% RELIABLE

3% COMPLEX



CHOSEN PROJECT:

A PORTABLE TRACKING DEVICE WHICH CAN HELP USERS TO LOCATE VALUABLE ASSETS USING GPS AND SNAPMAPS.



SAFE AND SECURE



SOFT AND SMOOTH



SAFE AND PLAYFUL

DEVELOPMENT PROCESS



-Improve charging port so that it is not prone to damage.

-Design for SnapInc's fun and soft characteristics.



-Improve durability.

-Revert design to a singular contained system.

-Find an alternative solution to cover charging port.



-Target the SnapInc brand for visual effect.

-Implement the Snapchat logo into the form.

-Appeal to the younger audience.



Results:

-Singular contained system.

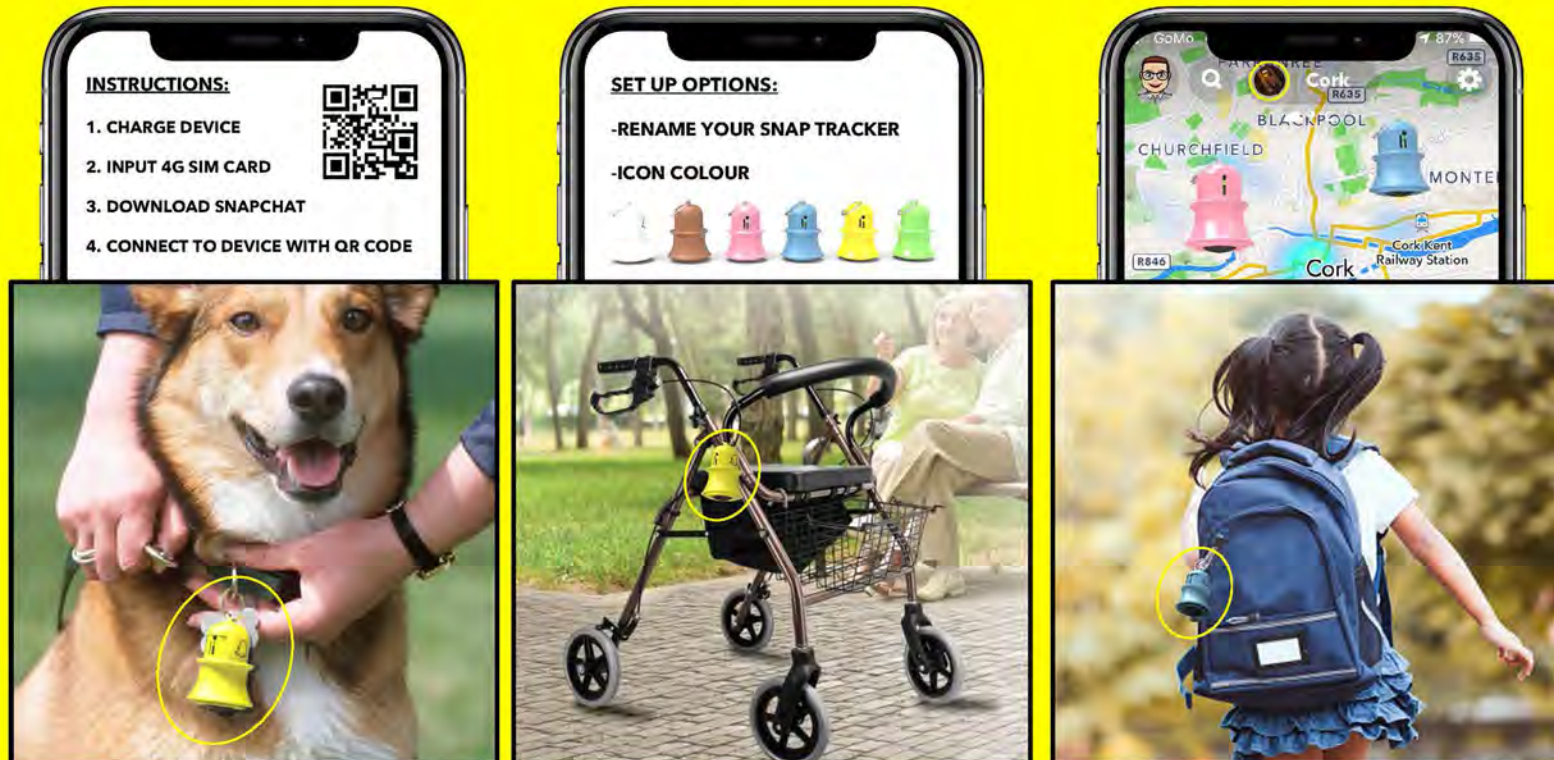
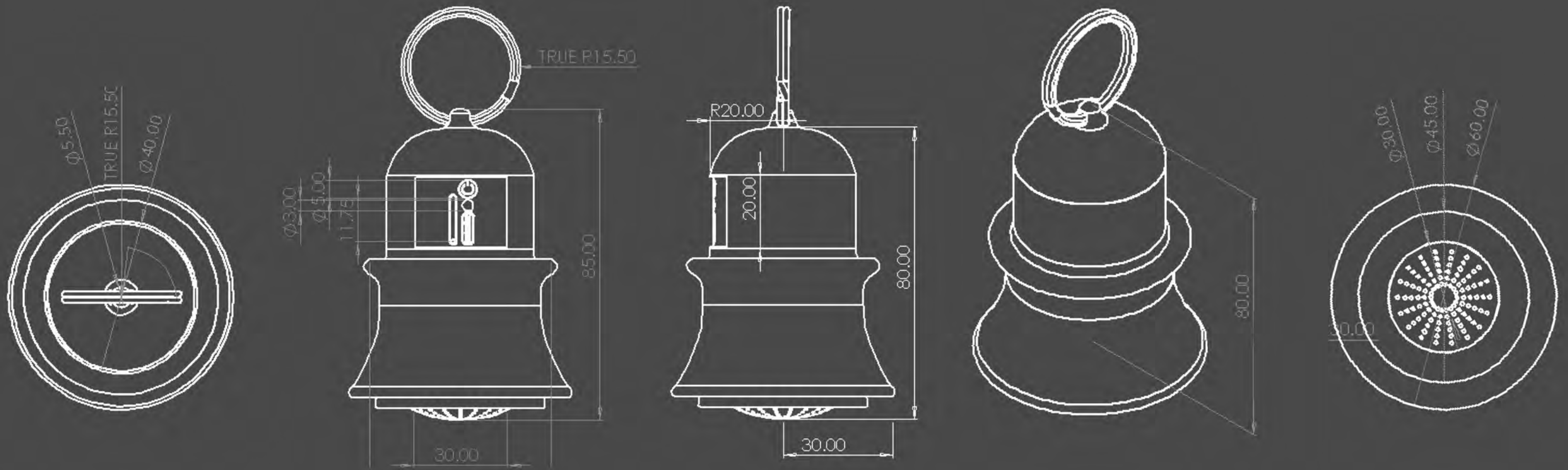
-Creative and playful aesthetic.

-Efficient and simple operation.

-Water Resistant with sealed features.

-Appealing to the younger audience.

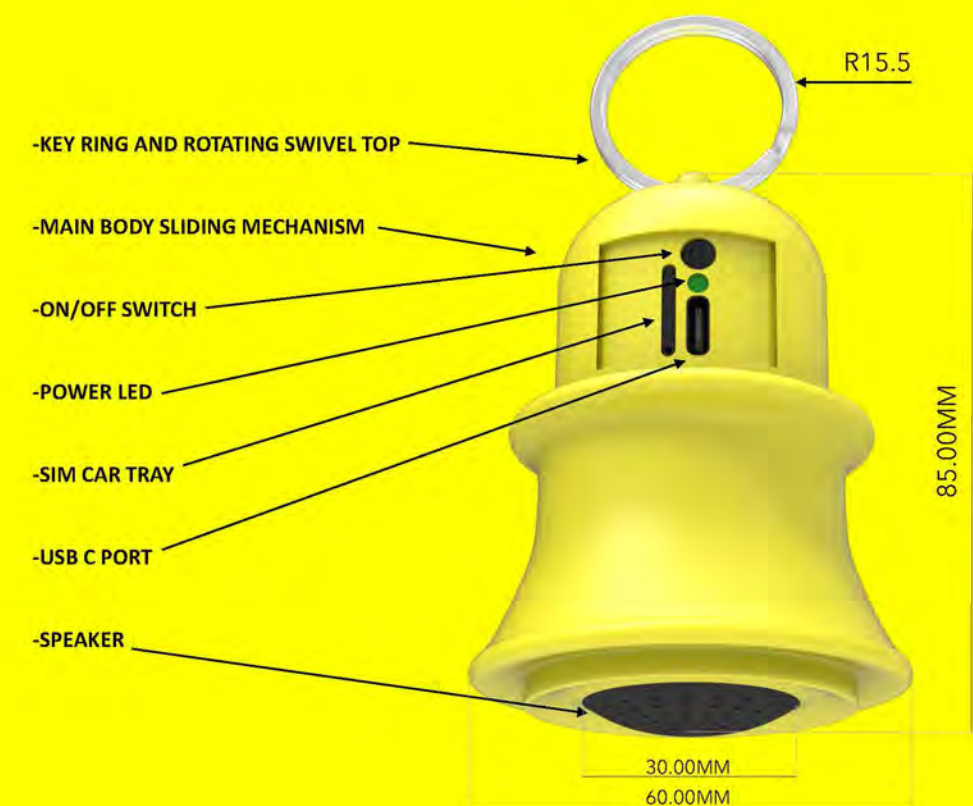
FINAL DESIGN



PETS

ELDERLY

KIDS & BELONGINGS





HAIR DRYER REDESIGN

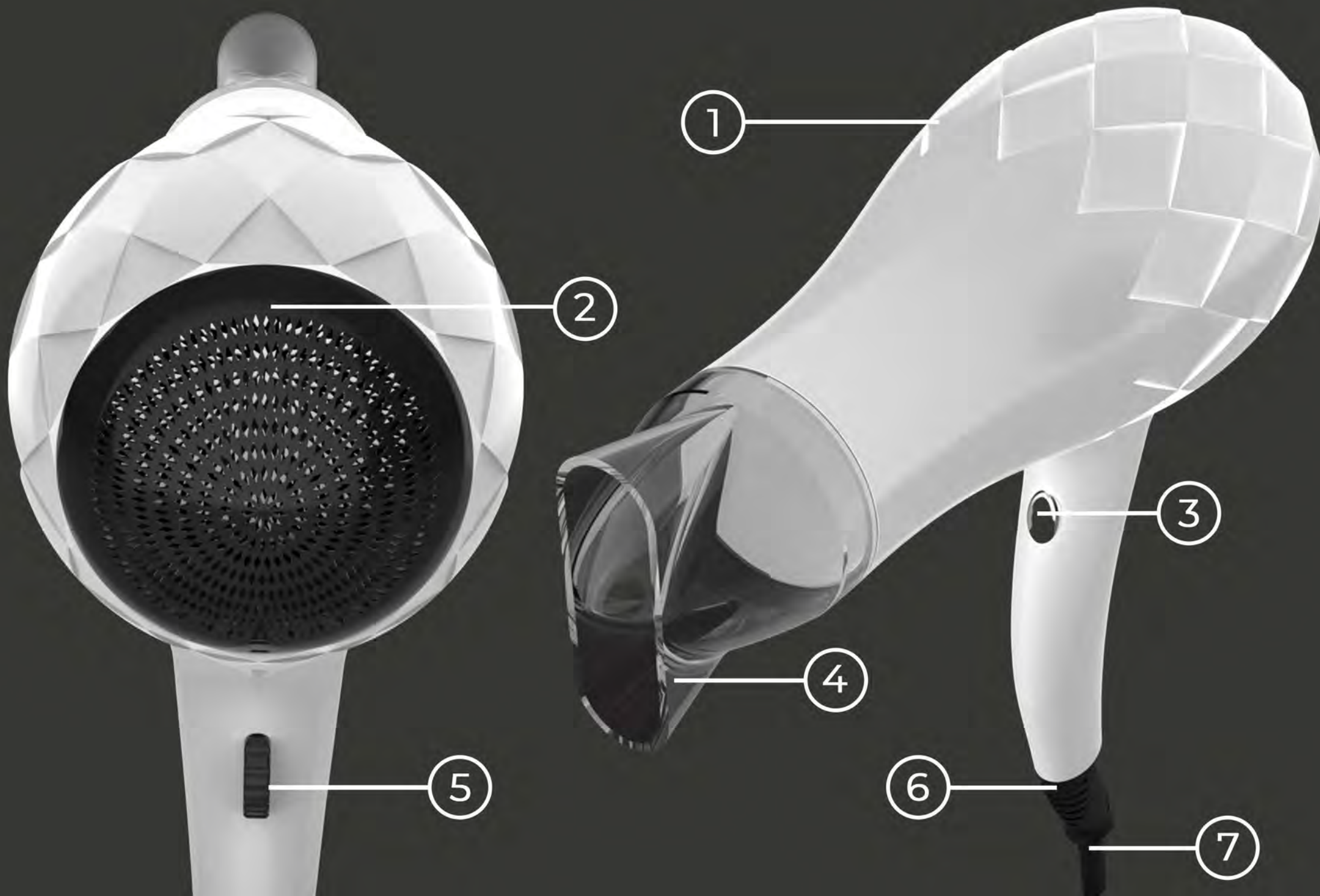
FEATURES

PROJECT DELIVERABLES:

Complete a full orthographic template of a standard hairdryer including a motor space claim.

Choose an advanced hairdryer design to replicate using CAD.

Produce rendered images of your redesign.



1 - MAIN HOUSING

2 - AIR INTAKE

3 - POWER SWITCH

4 - NOZZLE

5 - OUTPUT SETTING

6 - FLEXIBLE CORD GUARD

7 - POWER CORD

DEVELOPED SKILLS

-Advanced CAD techniques.

-Generating digital orthographic drawings.

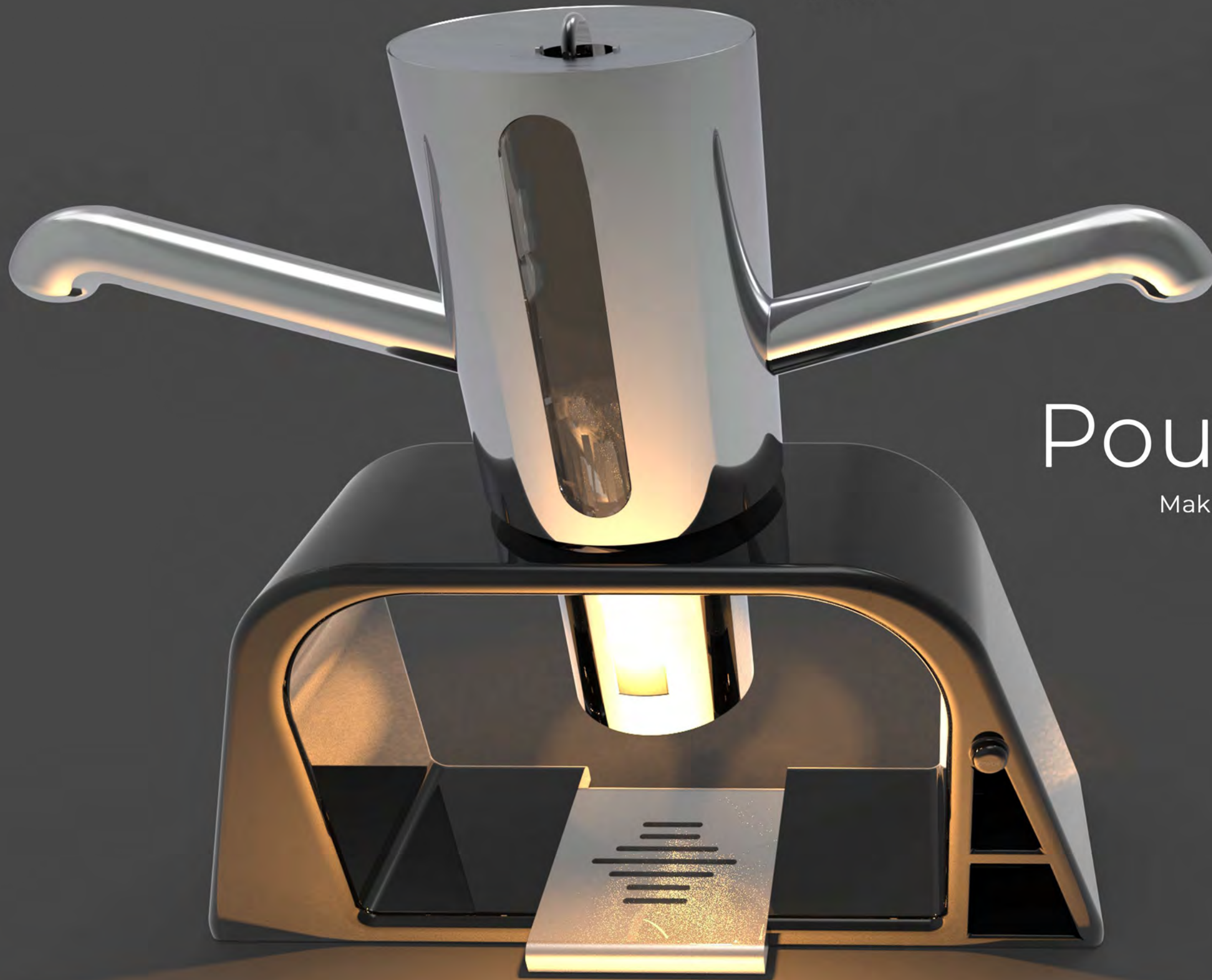
-High quality rendered image production.

-Exploding assembly components.

-Accurately create replicate products



PROJECT 4



Pour-tëa-ble

Making a cuppa with a smile.

-THE IMPROVED KETTLE DESIGN.

OPERATE PAIN-FREE WITH EASE.



DESIGN WITH PURPOSE

DEVLIVERABLE

BRIEF:

Take an everyday task, identify a target user, examine problems and opportunities, then generate a design providing a solution.

CHOSEN TASK:

MAKING A CUP OF TEA

TARGET USER:

ELDERLY

RESEARCH

STATISTICS:



20.3 million people have a musculoskeletal (MSK) condition such as arthritis or back pain in the UK. Almost one third (32%) of the poulation.

EMPATHY TOOLS

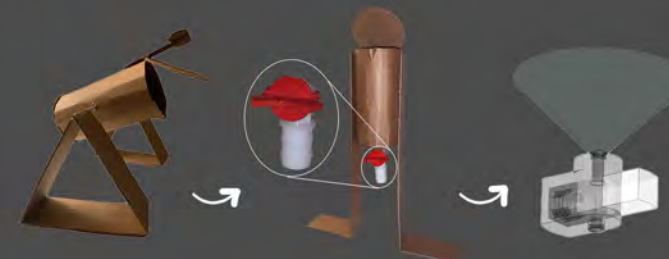
Bamboo Poles:
Restricted
maneurverability.

Thick gloves and tape:
Reduced grip.



DEVELOPMENT

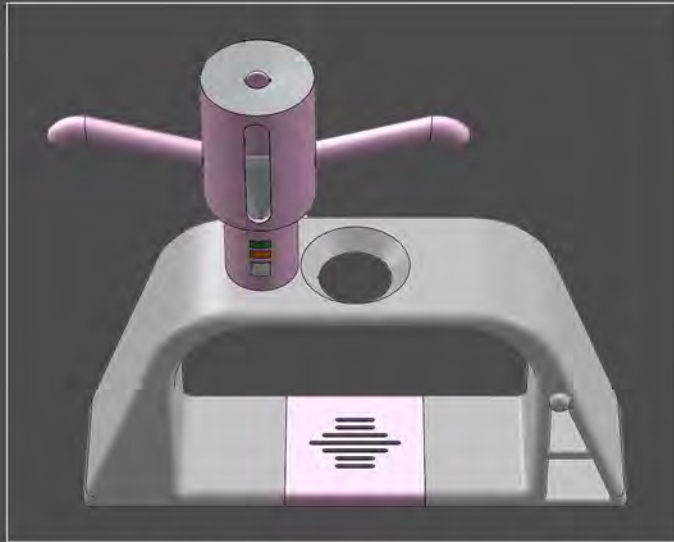
- Eliminate strain on user when pouring.
- Improve comfort and user interaction.
- Simplify the operation for refilling.



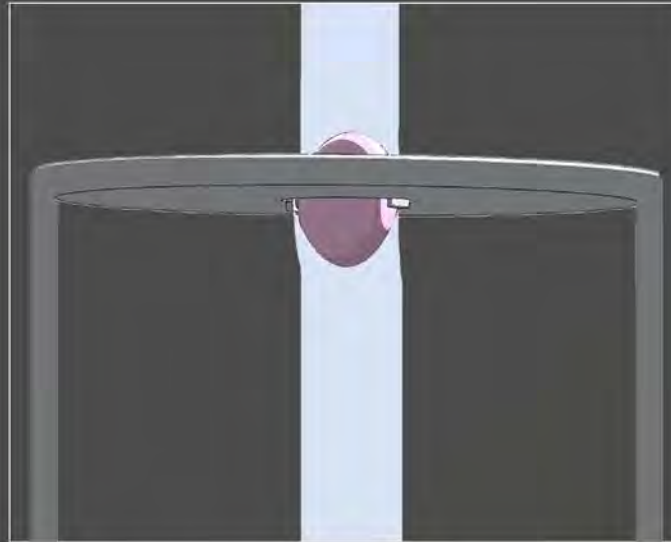
SKILLS

- Improved design processing ability.
- Empathising with the user.
- Reserching capabilities.
- Problem solving.

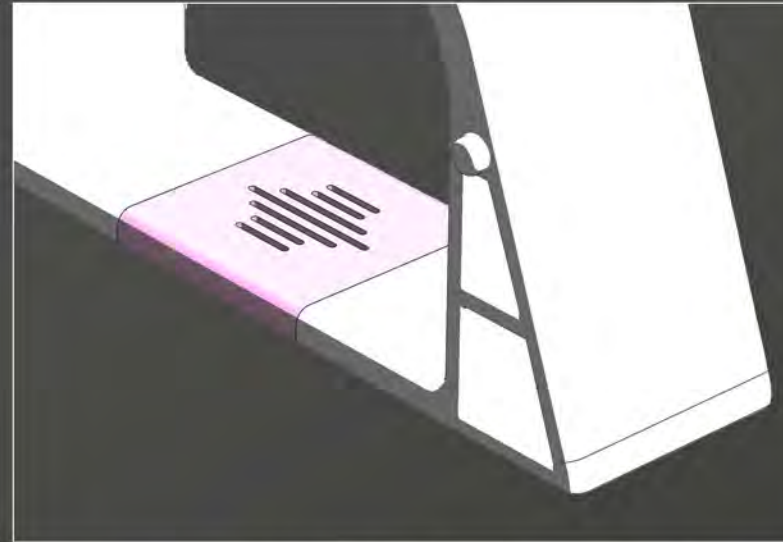
OPERATION



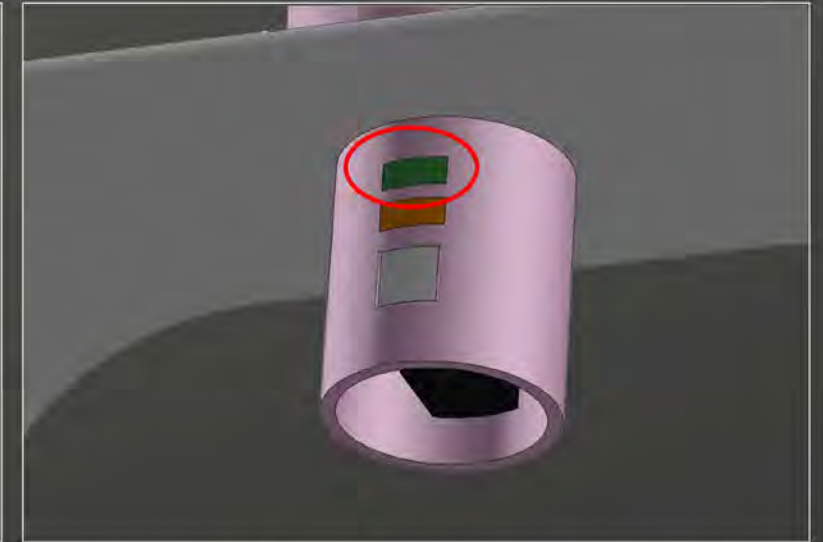
LIFT THE KETTLE TO THE SINK



POUR WATER ONTO THE ROTARY LID CAP.



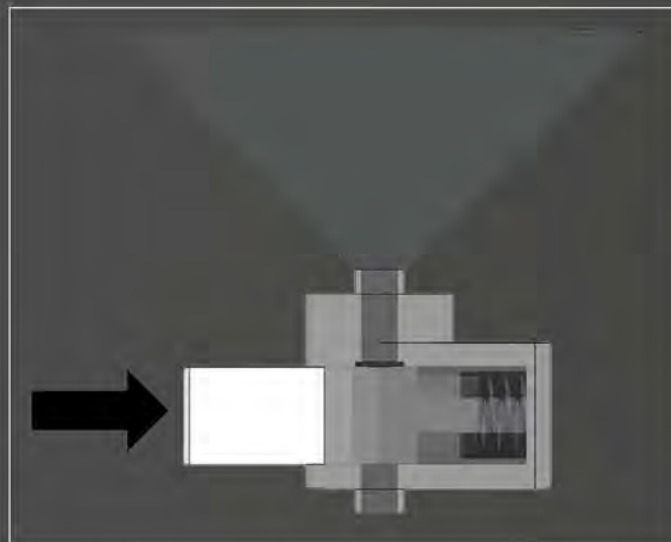
PLACE KETTLE INTO POSITION ON THE STAND
AND SWITCH ON.



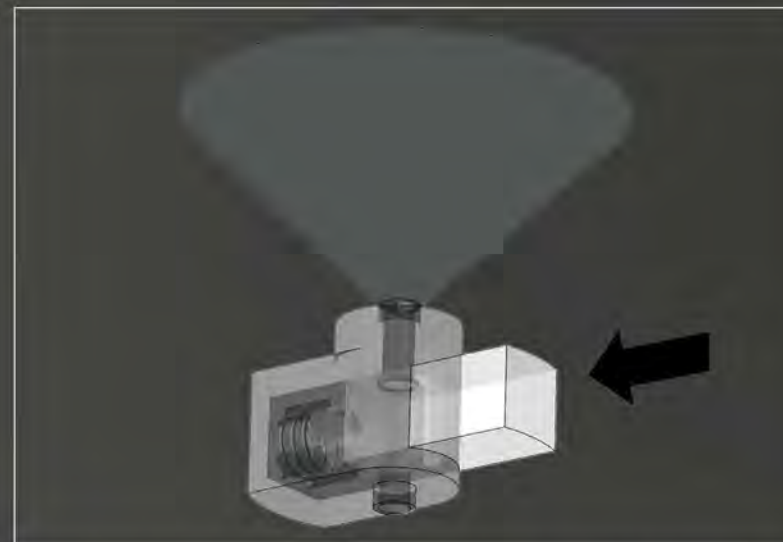
WAIT UNTIL GREEN INDICATION LED LIGHTS
UP.



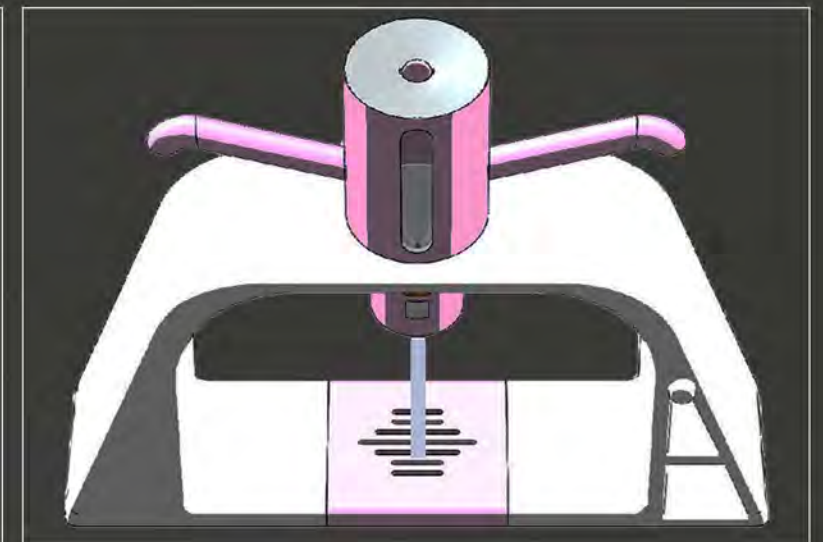
POSITION MUG UNDER THE KETTLE ON THE
STAND DRAIN.



PUSH DISPENSER BUTTON ACTIVATOR.



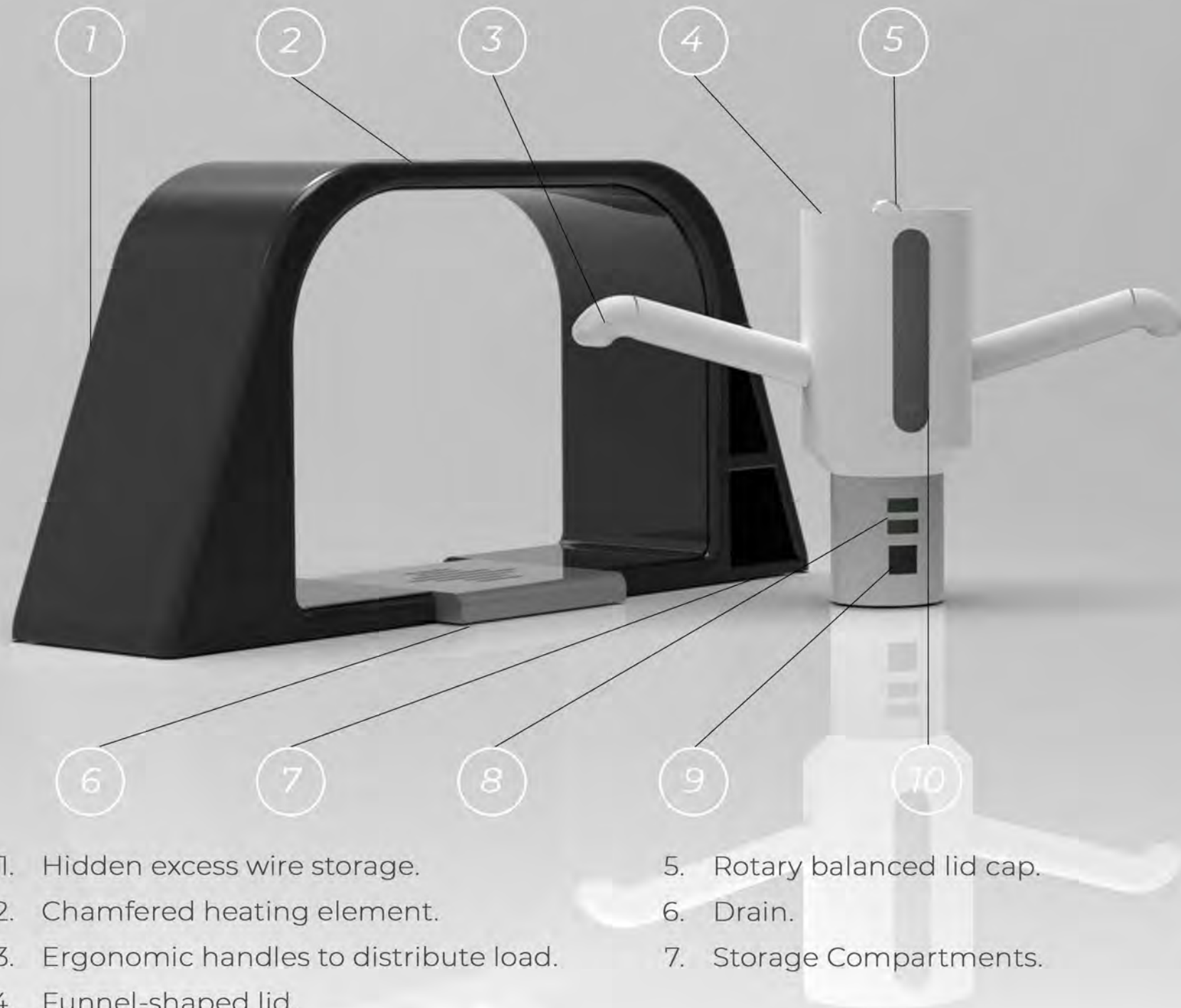
AS THE MECHANISM IS PUSHED FORWARDS, A
HOLE LINES UP WITH THE FUNNEL.



WATER FUNNELS THROUGH THE MECHANISM,
DISPENSING BOILING WATER WITH EASE.

PROBLEM SOLVING DESIGN

With a design which is not patronising for the target users, the 'Pour-tea-ble' device makes the process of boiling water easier than ever.



Objectives achieved:

Eliminates strain on user when pouring.

Simplified operation for refilling.

Easily manageable with improved comfort. (Distributed load.)

Reduces likelihood of burns and scalds.

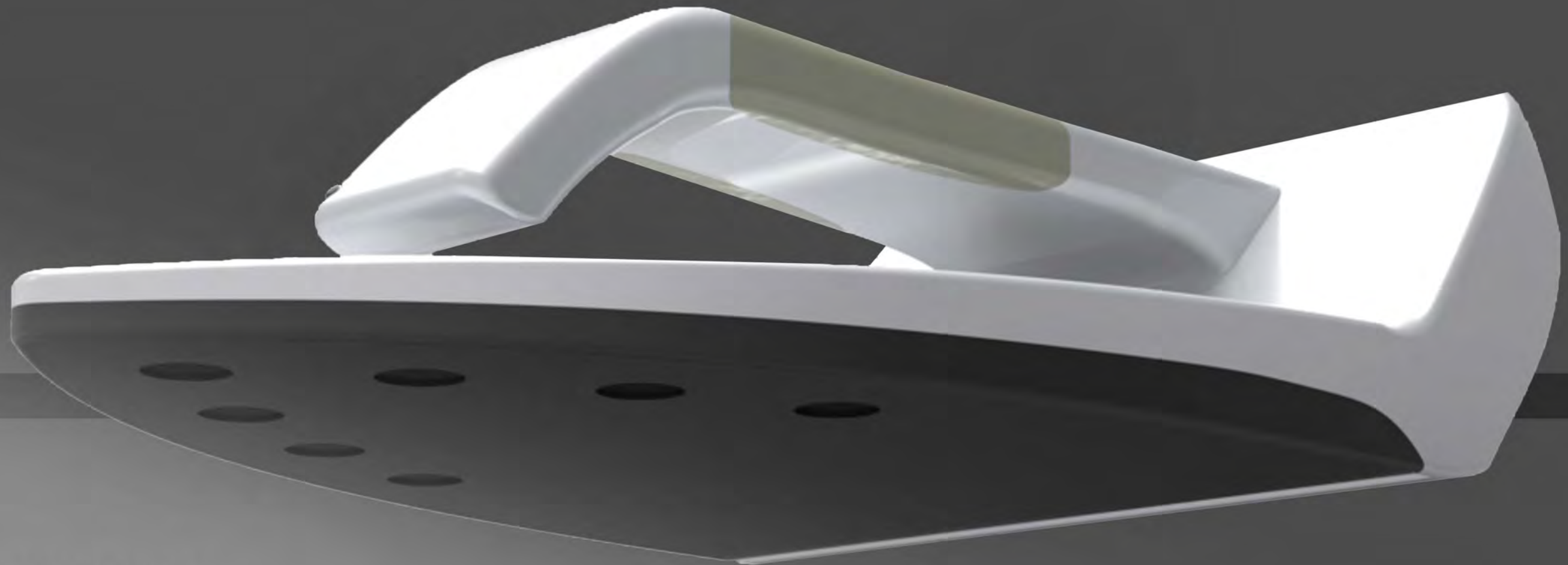
1. Hidden excess wire storage.
2. Chamfered heating element.
3. Ergonomic handles to distribute load.
4. Funnel-shaped lid.

5. Rotary balanced lid cap.
6. Drain.
7. Storage Compartments.

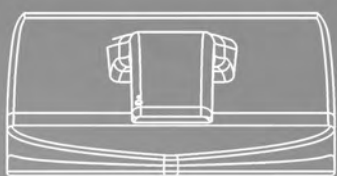
8. LED Indicators.
9. Dispensing mechanism.
10. Scale.

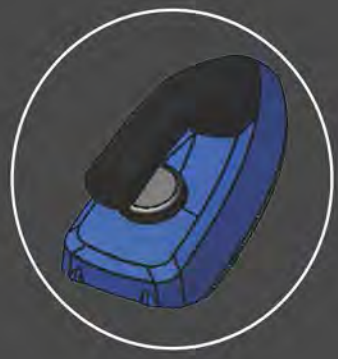
PROJECT 5

STEAM IRON

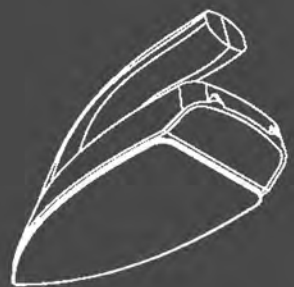
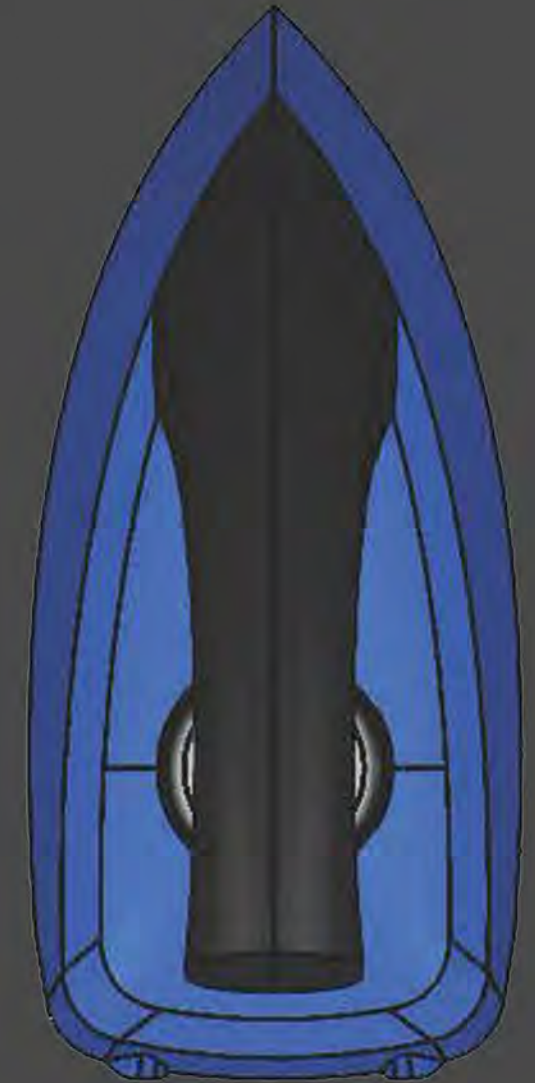
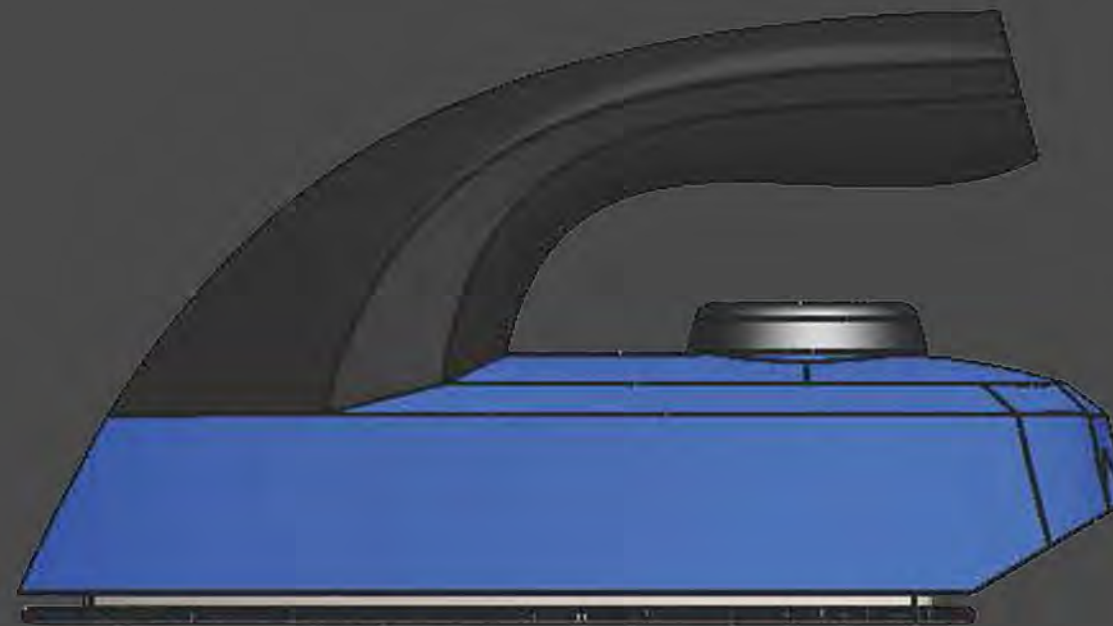
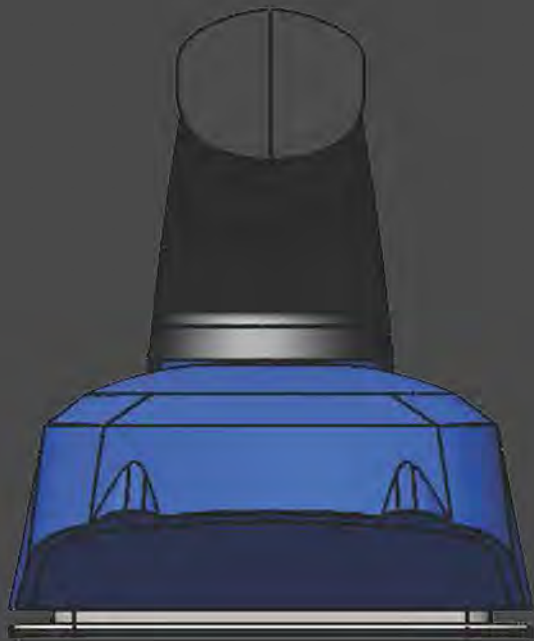


ORTHOGRAPHIC DRAWINGS:





COMPUTER AIDED DESIGN



1:5
Scale



3D DIGITAL DRAWING IS EFFICIENT AND ACCURATE.
MISTAKES CAN BE EDITED AND DIMENSIONS ARE PRECISE.

I HAVE CAPABILITIES TO PRODUCE CAD DRAWINGS TO A HIGH STANDARD.
THESE FILES CAN THEN BE 3D PRINTED FOR PROTOTYPING.

PROTOTYPING



I produced a vacuum formed model to evaluate a design.

To precise dimensions, I followed my orthographic drawings of a template Iron.

Forming each section required a wooden mold.

This stage of development was key for improving the overall form and functionality of a design.



FEATURES

UX Design:

-THE HANDLE is a fundamental component which impacts user experience and interaction. To assist the ergonomic shape, the handle also has memory foam side grips.

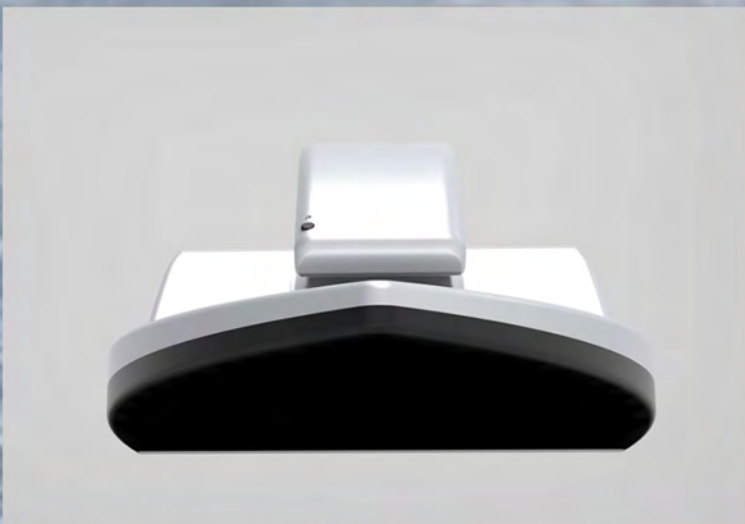
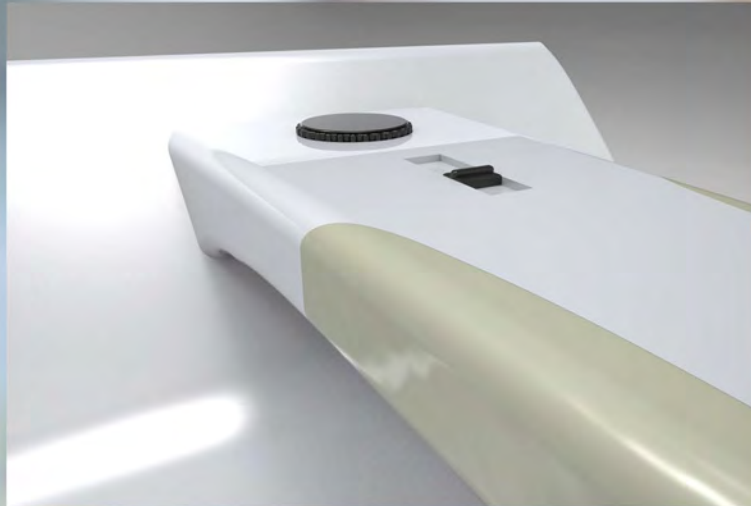
3 MAIN INTERACTIVE FEATURES:

-ROTARY DIAL is used for choosing a specific setting. The wide, flat and rounded design includes grip extrusions.

-SLIDING SWITCH is used for control of heat and steam.

-PUSH BUTTON with LED for operating power to the device. Turns on/off heat.

FINAL DESIGN



WESLEY MARTYN MOORE



PUNCTUAL



PRACTICAL



PROFESSIONAL



PASSIONATE

MY FUTURE IN DESIGN

I am a Product Design student with ambitions to exceed current visionary capabilities with desire to make an substantial impact on lives.

