

PRODUCT DESIGN

PERSONAL PORTFOLIO

ENHAO WANG

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2025

*The image on this document are for demonstration purposes only in a non-profit educational context

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PROJECT 1

XBOX-KINECT MOBILE PHONE

A high-performance gaming smartphone from Xbox, aimed at bringing Xbox Kinect back to the market by integrating it into the phone

2024 SPRING | 3D MODELING 2 | 4 WEEKS 3D MODELING PROJECT
Solidworks | Keyshot | Procreate | Adobe Illustration | Photoshop | Figma

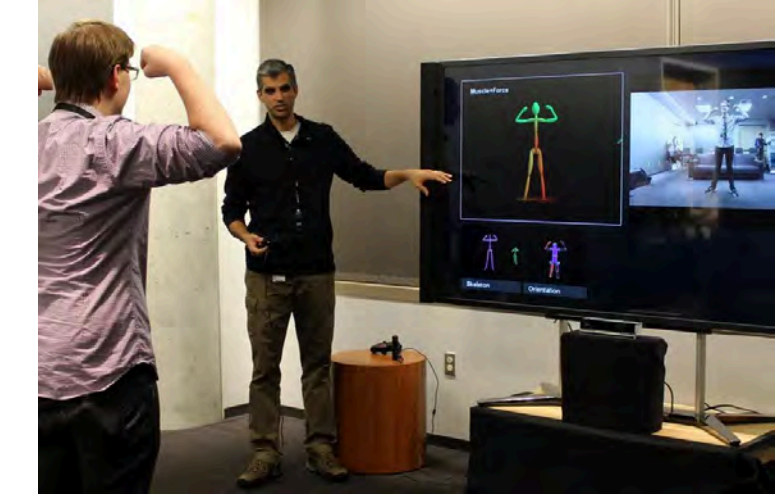
“Student Project Not Affiliated with Xbox”



PROJECT 1

DESIGN CONCEPT





XBOX-KINECT



Kinect is a discontinued motion-sensing device by Microsoft, first released in 2010. It includes an RGB camera, infrared projector, and detectors to map depth, allowing real-time gesture recognition, body tracking, and voice control to mirror players' movements in the game

XBOX PRODUCTS



XBOX SERIES X



XBOX SERIES S



XBOX ONE



XBOX 360



XBOX GENERATION ONE



XBOX ELITE SERIES TWO



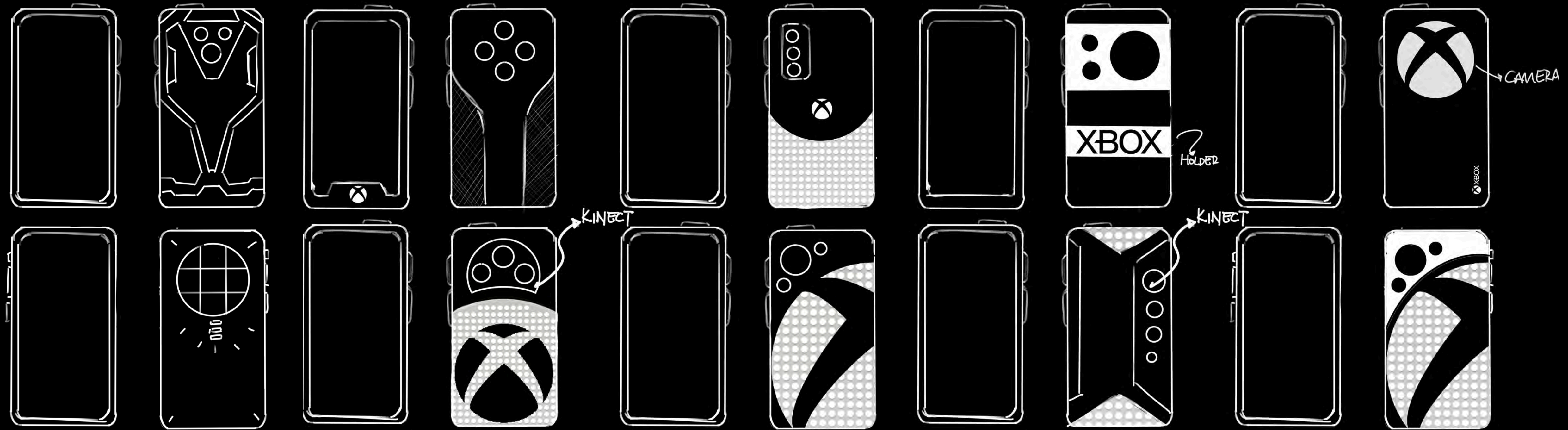
XBOX ADAPTIVE CONTROLLER



XBOX ELITE SERIES ONE

Xbox is a renowned gaming brand launched by Microsoft. Since the release of its first console in 2001, it has evolved into a global entertainment platform encompassing multiple generations of gaming consoles, cloud gaming services, and a robust ecosystem. With advanced hardware performance, a rich lineup of exclusive games, and seamless cross-device connectivity, Xbox continues to lead in the gaming industry.

SKETCHING

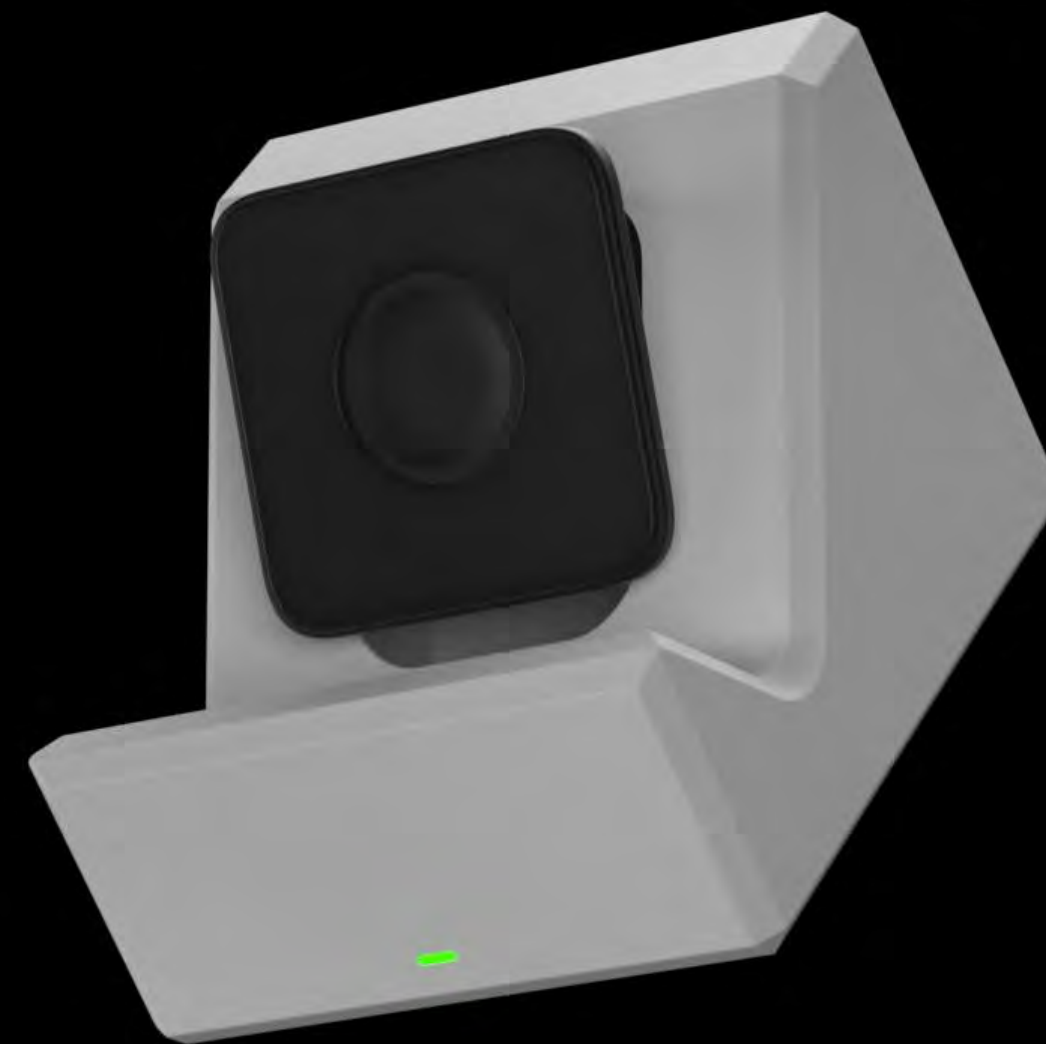


PROJECT 1

VISUALIZATION

Solidworks | Keyshot | Photoshop









FRONT CAMERA

VOLUME BUTTONS

SIDE BUTTONS

VENTS

SIM TRAY

KINECT CAMERA SET







My games & apps

Connect to Xbox Live

PHYSICAL MOCK-UP



PROJECT 2

STONE ISLAND AR GOGGLES

A high-performance gaming smartphone from Xbox, aimed at bringing Xbox Kinect back to the market by integrating it into the phone

2024 SPRING | 3D MODELING 2 | 4 WEEKS 3D MODELING PROJECT
Solidworks | Keyshot | Procreate | Adobe Illustration | Photoshop | Figma

“Student Project Not Affiliated with Stone Island”



PROJECT 2

DESIGN CONCEPT



STONE ISLAND

Stone Island was created in 1982 in Ravarino, a small town in the Modena province of Northern Italy, where the brand has conducted its ongoing exploration into the transformation and ennobling of fibres and fabrics, and the unique ability to intervene on the finished garment. These experiments have led to the discovery of materials and production techniques never previously used by the clothing industry, including the development of more than 60,000 different dye recipes



A RESEARCH PROJECT
IN 100 QUESTIONS

PARTICIPANT:
Lisa Gallagher,
Rock'n'Roll Star

WEARING:
784LL_Jack23
Archive Piece AW'983-'984

LOCATION:
Manchester,
53.4808°N 2.2426°W

QUESTION 21 OF 100
WHAT DO YOU COLLECT?
JUST SOULS.

QUESTION 28 OF 100
WHAT IS YOUR FAVOURITE SEASONS?
FOOTBALL, BEACHES.

QUESTION 29 OF 100
WHAT IS YOUR FAVOURITE TIME OF
DAY?
I GET UP AT FOUR OR FIVE IN
THE MORNING. THEN I'M JUST
WAITING FOR SOMETHING FUCKING
SPECTACULAR TO HAPPEN.



A RESEARCH PROJECT
IN 100 QUESTIONS

PARTICIPANT:
James Blunt,
Actor

WEARING:
78723 Reberena 31 TC

LOCATION:
London,
51.5072°N 0.1278°W

QUESTION 86 OF 100
WHAT COULD YOU LIVE WITHOUT?
COMEDY.

QUESTION 19 OF 100
WHAT ARE YOUR RELATIONS?
CARLYSLE NO.

QUESTION 20 OF 100
WHO ARE YOUR INSPIRATIONS?
BRUCE LEE AND KEN HOP.

QUESTION 22 OF 100
WHAT THOUGHTS ARE ON YOUR MIND
RIGHT NOW?
THOUGHTS.

QUESTION 26 OF 100
WHAT DO YOU WANT TO SUSTAIN?
HEALTH.

QUESTION 36 OF 100



PARTICIPANT:
Philippe Starck,
Creator

WEARING:
710F2_Iwill Wool Down-TC
Stone Island Ghost Piece

LOCATION:
Paris,
48.8566°N 2.3522°E

QUESTION 13 OF 100
WHAT HAVE YOU FORGOTTEN?
EVERYTHING, AND I AM HAPPY
ABOUT IT.

QUESTION 22 OF 100
WHAT THOUGHTS ARE ON YOUR MIND
RIGHT NOW?
SOUNDING SMART.

QUESTION 42 OF 100
WHICH BUILDING WOULD YOU LIKE TO
LIVE IN?
THE EINSTEIN TOWER,
IN POTSDAM, GERMANY.

QUESTION 53 OF 100
DO YOU HAVE ANY SKILLS THAT
MIGHT SURPRISE PEOPLE?
I PLAY EVERYTHING. I THINK



STONE ISLAND THE LAB



The LAB is the constant scrutinising and boundless investigation into the transformation and enhancement of fibres and fabrics, which brings discoveries of new materials and production techniques that have never previously been used in the clothing industry. The LAB is the constant scrutinising and boundless investigation into the transformation and enhancement of fibres and fabrics, which brings discoveries of new materials and production techniques that have never previously been used in the clothing industry.

AI GENERATED IDEATION

Midjourney Prompt: Futuristic AR goggles, modern design, metallic accents, detailing, engineered, high-tech functionality and minimalistic aesthetic, studio lighting, centered on a clean, neutral background



SKETCHING



PROJECT 2

VISUALIZATION

Solidworks | Keyshot | Photoshop



STONE ISLAND



STONE ISLAND AR GOGGLES

Based on Stone Island's spirit of exploration and aesthetic foundation, the Stone Island AR Goggles provide the potential to reconstruct and push the boundaries of The Reacher Lab, making all innovations visible



STONE ISLAND



STONE ISLAND



PHYSICAL MOCK-UP



PROJECT 3

MAZDA

SMART WISTBAND

Mazda's smart wristband is designed to provide drivers with a more convenient way to control their vehicles, including locating and unlocking them, further enhancing the connection between the driver and the car

2024 SPRING | 3D MODELING 2 | 4 WEEKS 3D MODELING PROJECT
Solidworks | Keyshot | Procreate | Adobe Illustration | Photoshop | Figma

“Student Project Not Affiliated with MAZDA”



PROJECT 3

DESIGN CONCEPT





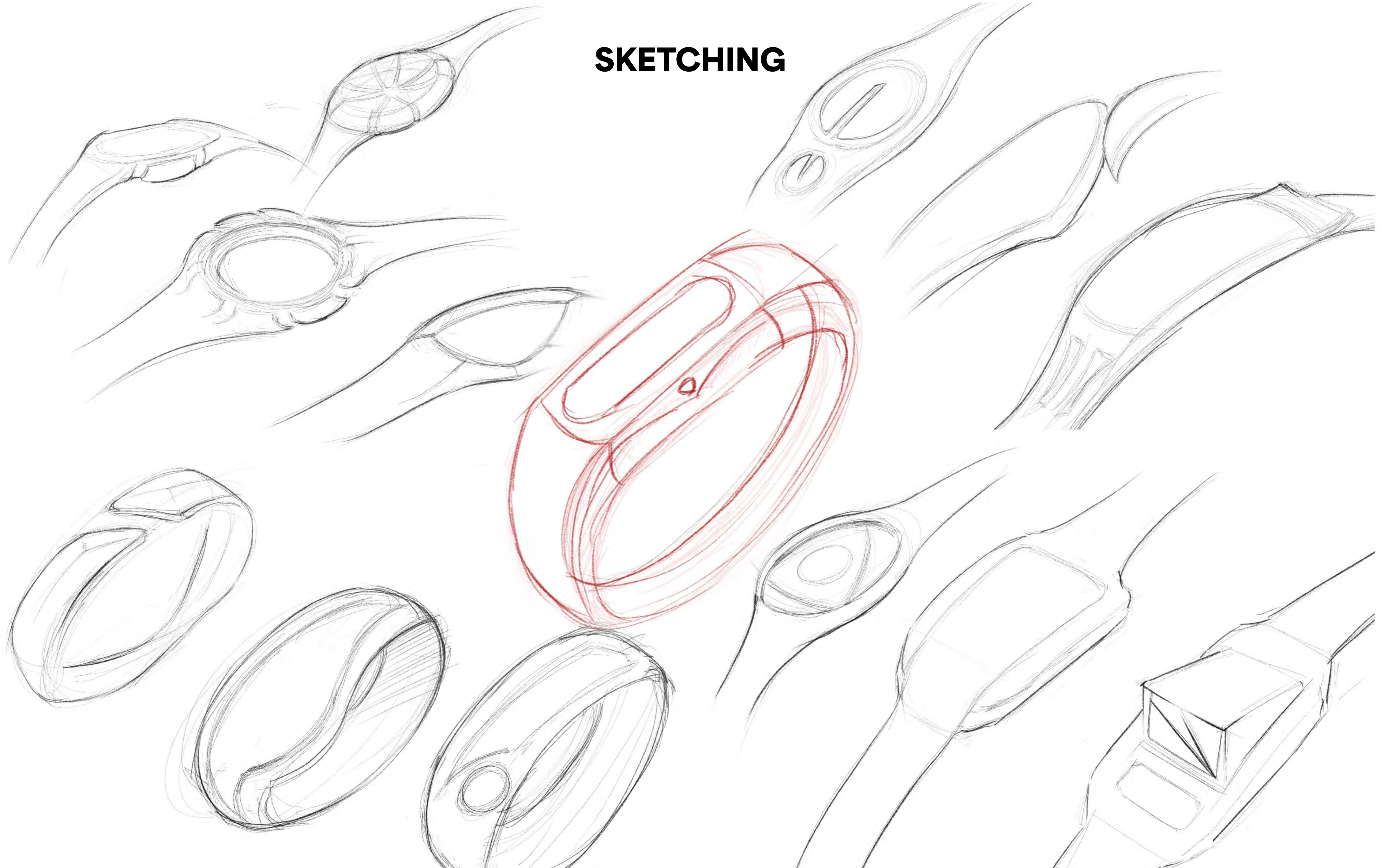
MAZDA

MAZDA CX-5

"As a Japanese brand, we are setting out a sublime yet subtle design philosophy that encapsulates a distinctive kind of Japanese beauty. It is about reinterpreting the essence flowing from the fundamental elements of Japanese aesthetics, and expressing this as a new kind of elegance."



SKETCHING



PROJECT 3

VISUALIZATION

Solidworks | Keyshot | Photoshop







Pogo Pin CHARGING
CONNECTOR

OPTICAL SENSOR

SIDE BUTTON

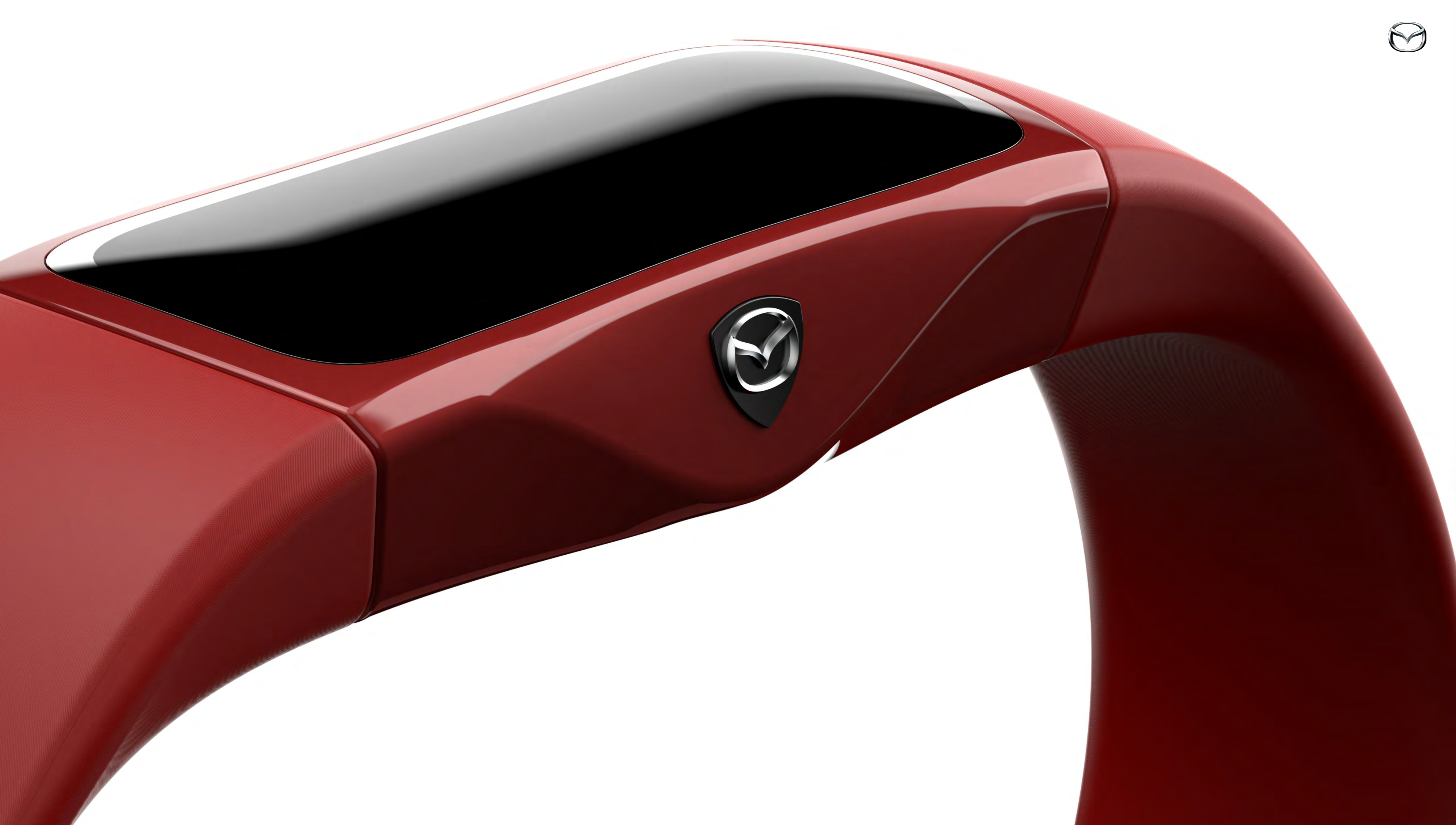


PUSH BUTTON
CLASP

MAZDA SMART WISTBAND

Inspired by Mazda's "Jinba Ittai" philosophy, the smart band offers convenient features like vehicle locating and unlocking, combined with the sleek design of Mazda's "Kodo" aesthetic. It strengthens the bond between driver and car, delivering effortless connection and driving pleasure









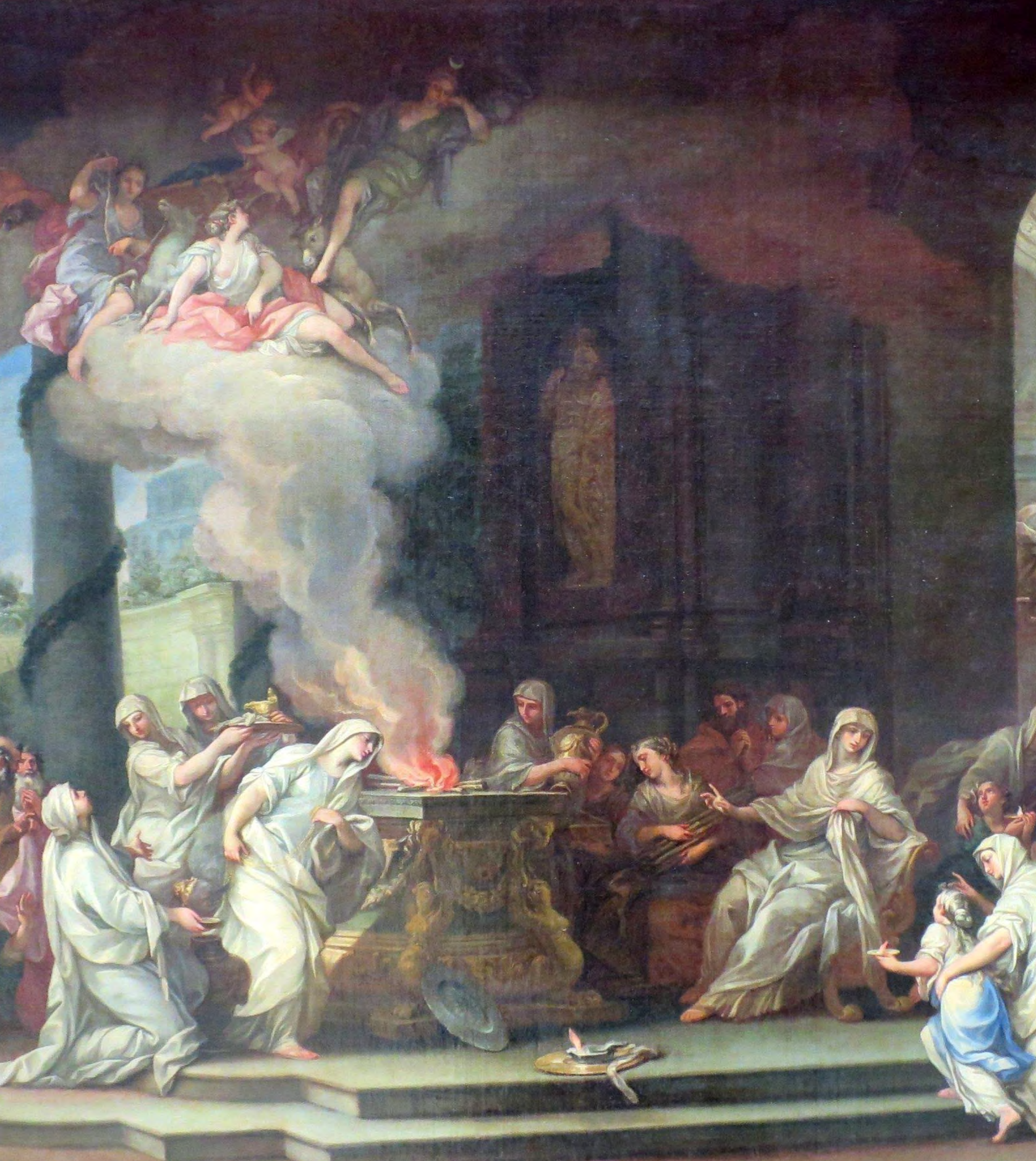
PROJECT 4

Trudon FIRE PITS

The Trudon fire pit, inspired by French royal aesthetics and Trudon's design, uses Trudon-scented wood as fuel, enhancing the sensory experience and creating a warm, luxury outdoor atmosphere.

2024 FALL | DESIGN LAB 1 | 13 WEEKS PRODUCT DESIGN PROJECT
Solidworks | Keyshot | Procreate | Adobe Illustration | Photoshop | Figma

“Student Project Not Affiliated with Trudon”



DESIGN PROPOSAL

The Trudon fire pit, inspired by French royal aesthetics and Trudon's design, uses Trudon-scented wood as fuel, enhancing the sensory experience and creating a warm, luxury outdoor atmosphere.

FIRE PIT

Today, the fire pit has become a centerpiece of modern outdoor living. With various designs, materials, and features, fire pits cater to different tastes and lifestyles. From compact and portable options perfect for camping trips to elaborate installations in luxurious backyards, the fire pit remains a symbol of gathering, happiness, and relaxation.



FUEL TYPES

FIREWOOD + SCENTED WOOD

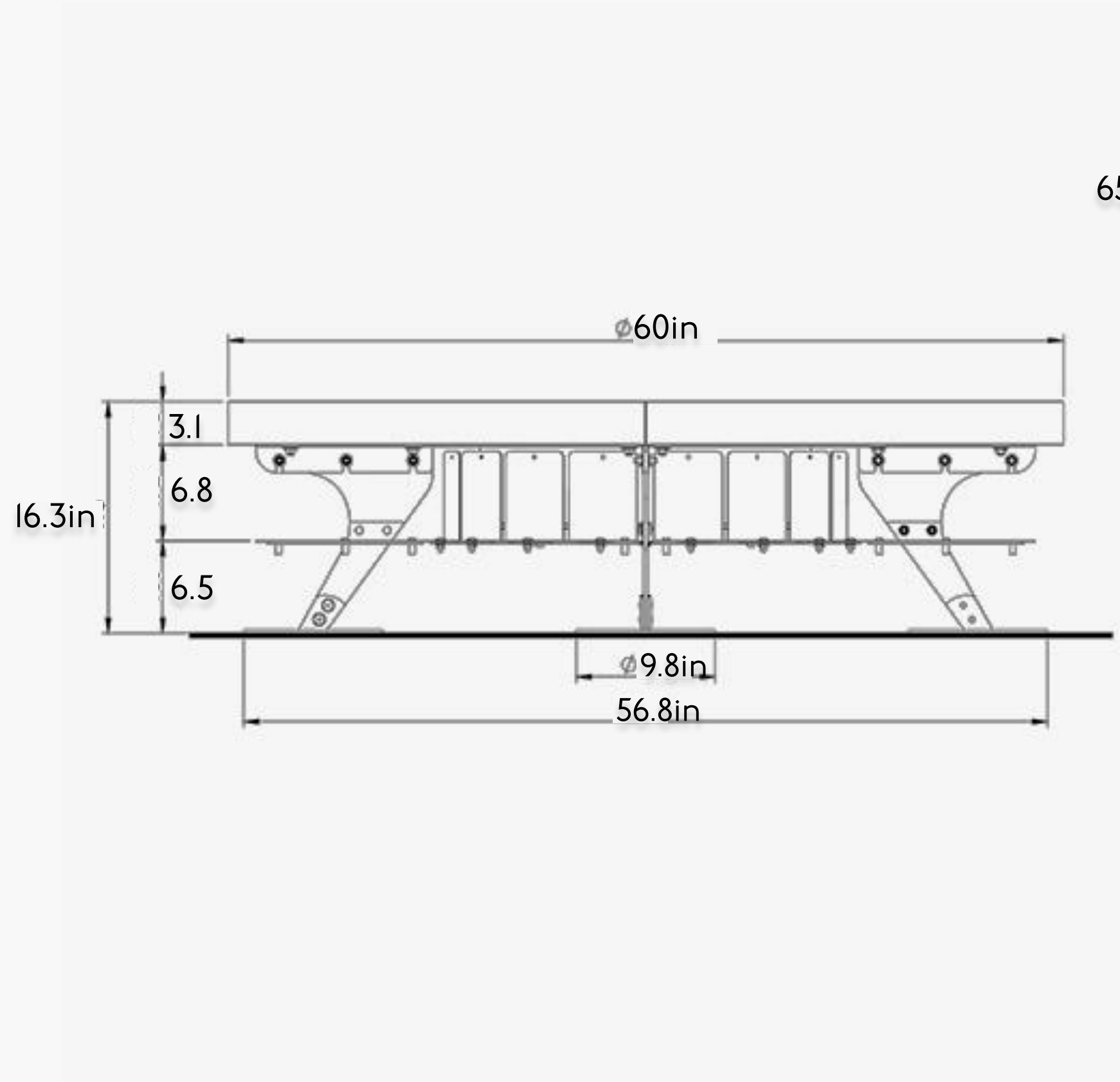
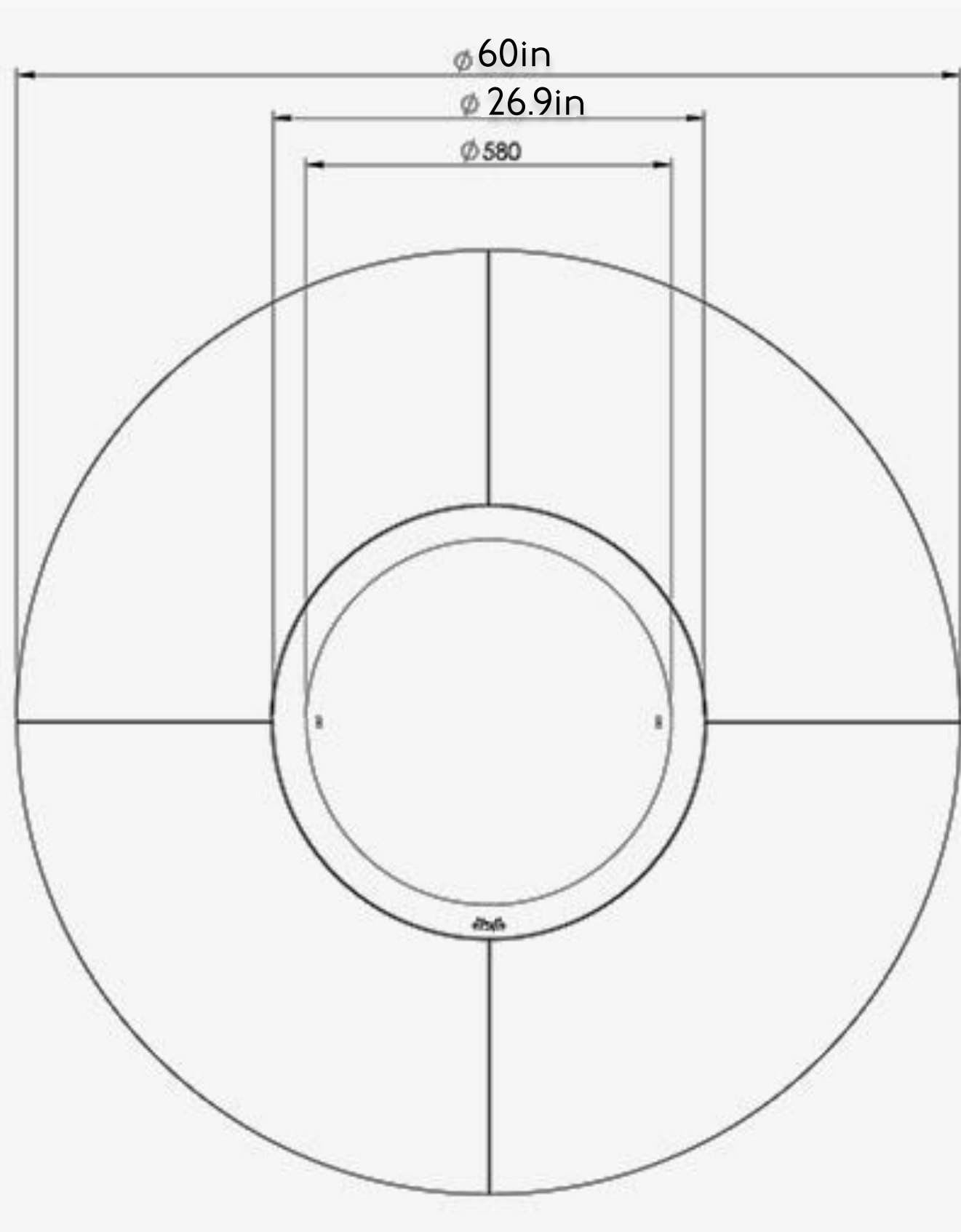
Firewood: Oak Wood

Oak is known for its earthy and somewhat sweet fragrance. It's a popular choice for firewood and imparts a pleasant aroma when burned.

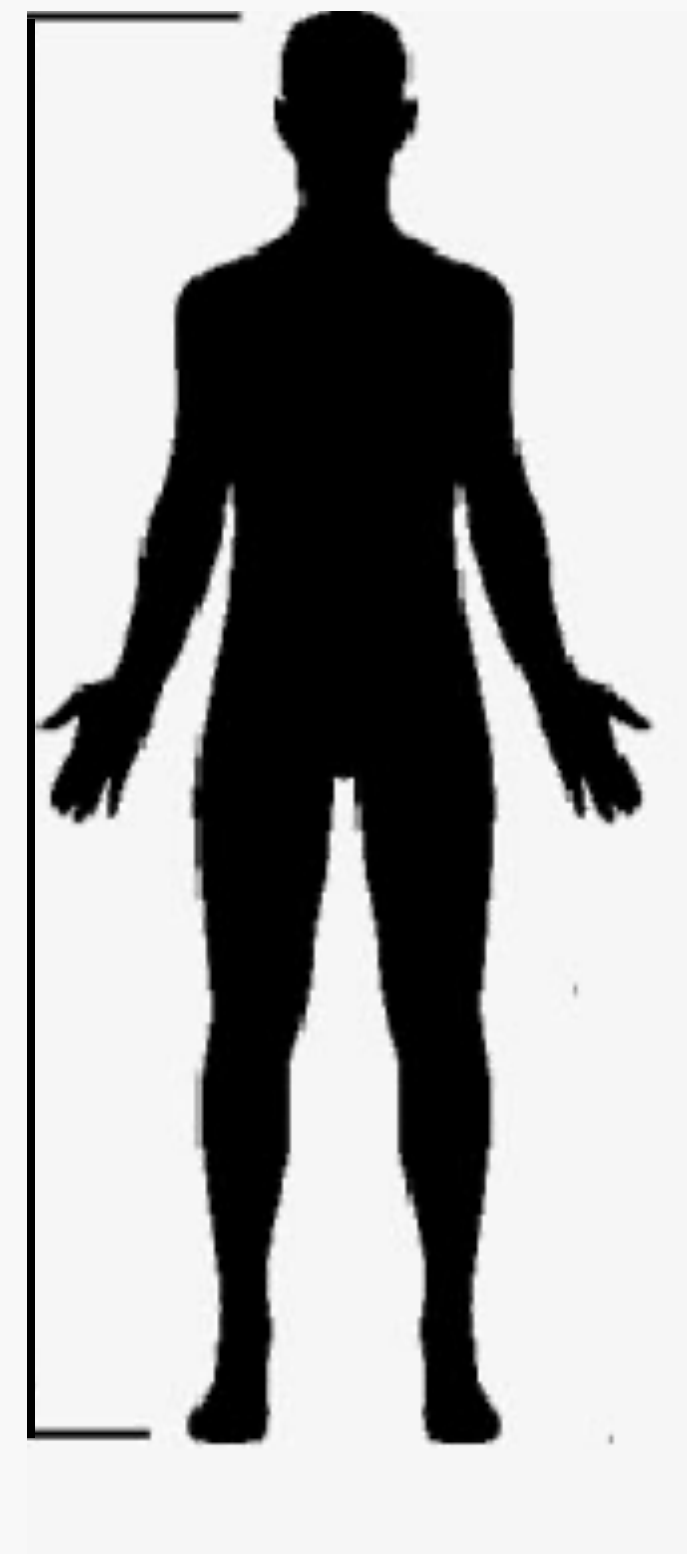
Infused Scented Wood: Brich Wood

How to infused woods:

- Choose Wood: Use porous wood like birch or cedar, cut into small pieces.
- Prepare Oil: Mix essential oil.
- Infuse: Soak the wood in the oil mixture for 24-72 hours in a sealed container.
- Dry: Let the wood dry completely in a ventilated area.
- Store: Keep in a sealed container until ready to use.



65in



SIZE DIMENSION

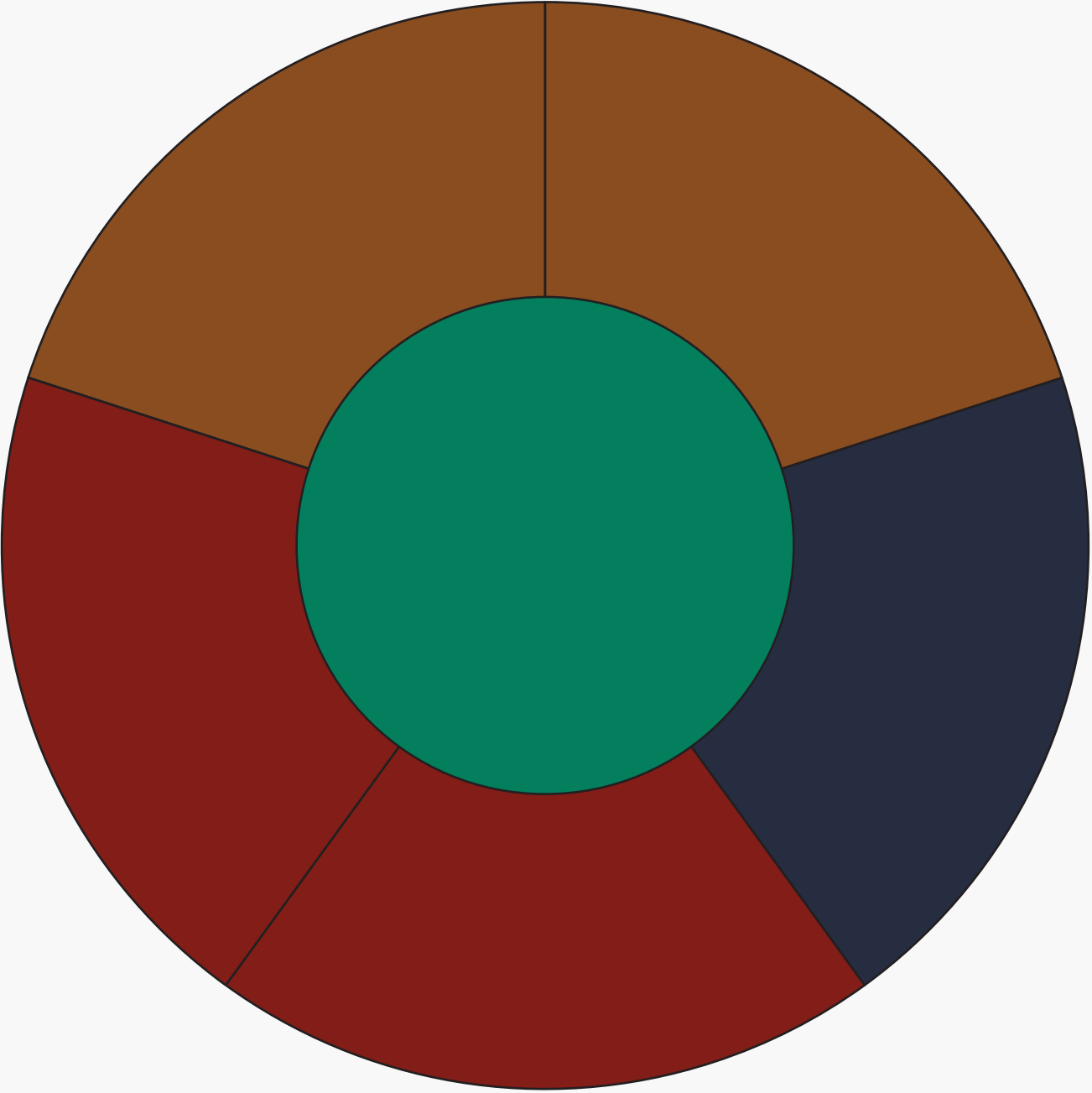
Typically suitable for 6-8 people

COMPONENTS LAYOUT



- Tabletop
- Burner
- Storage

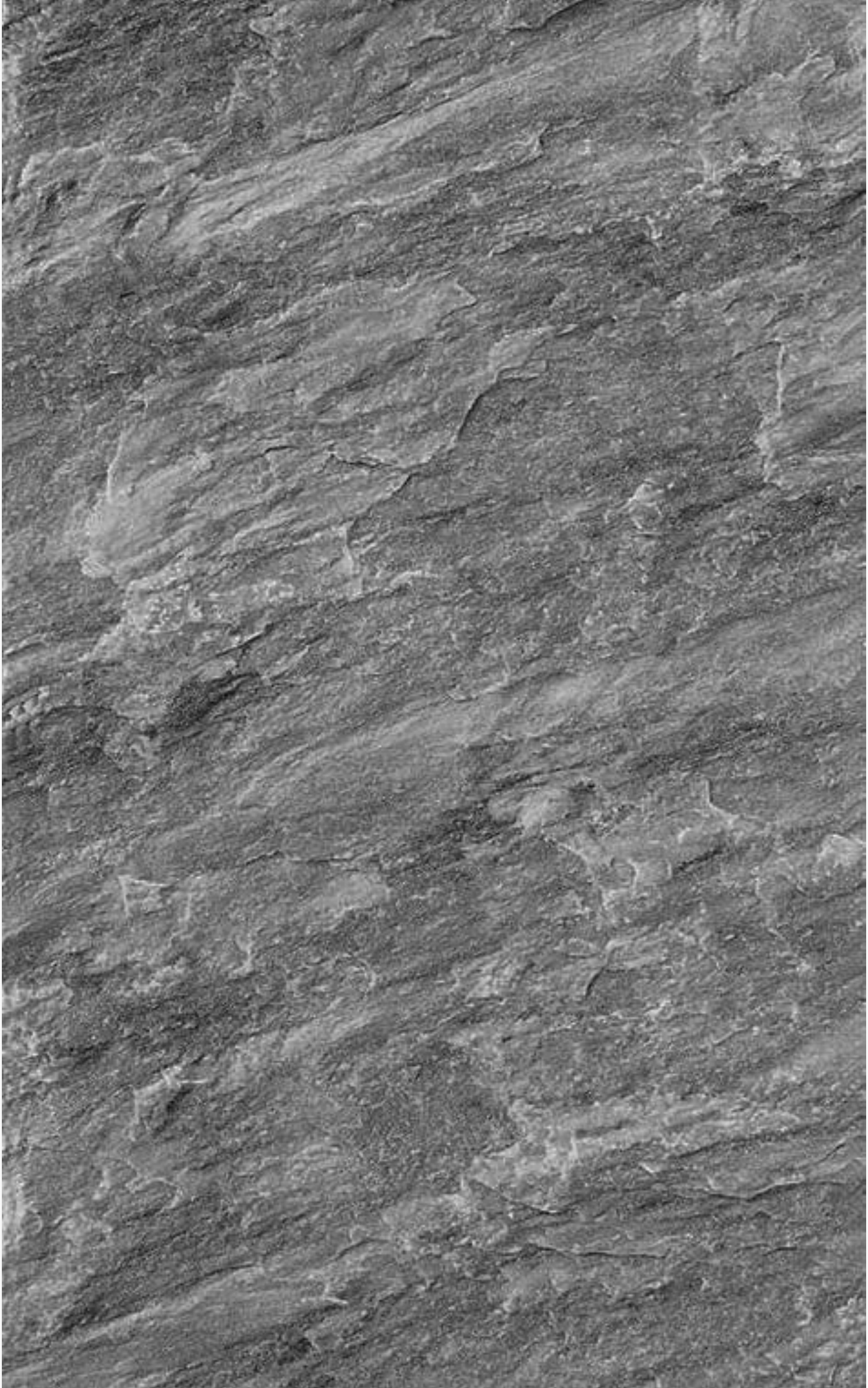
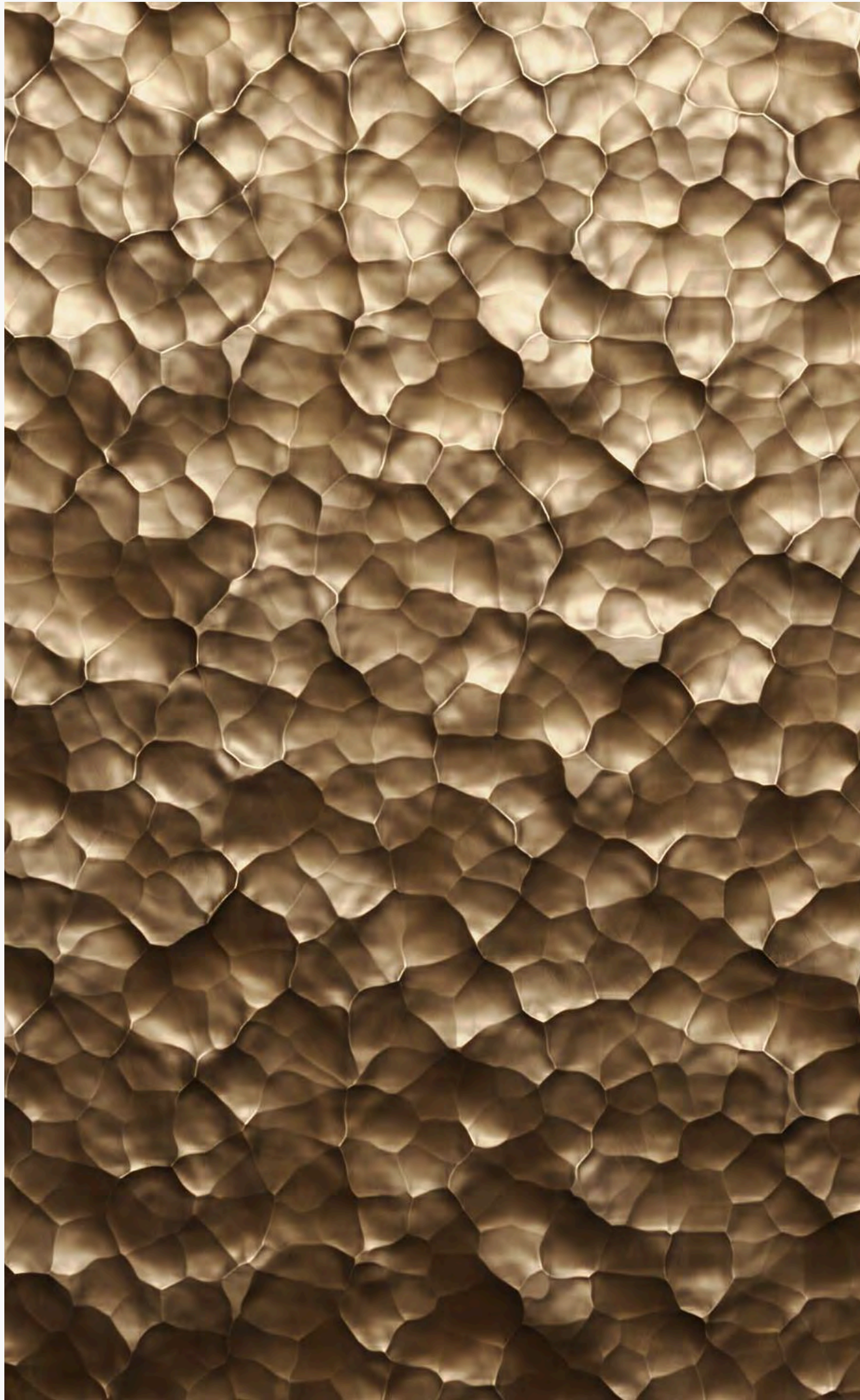
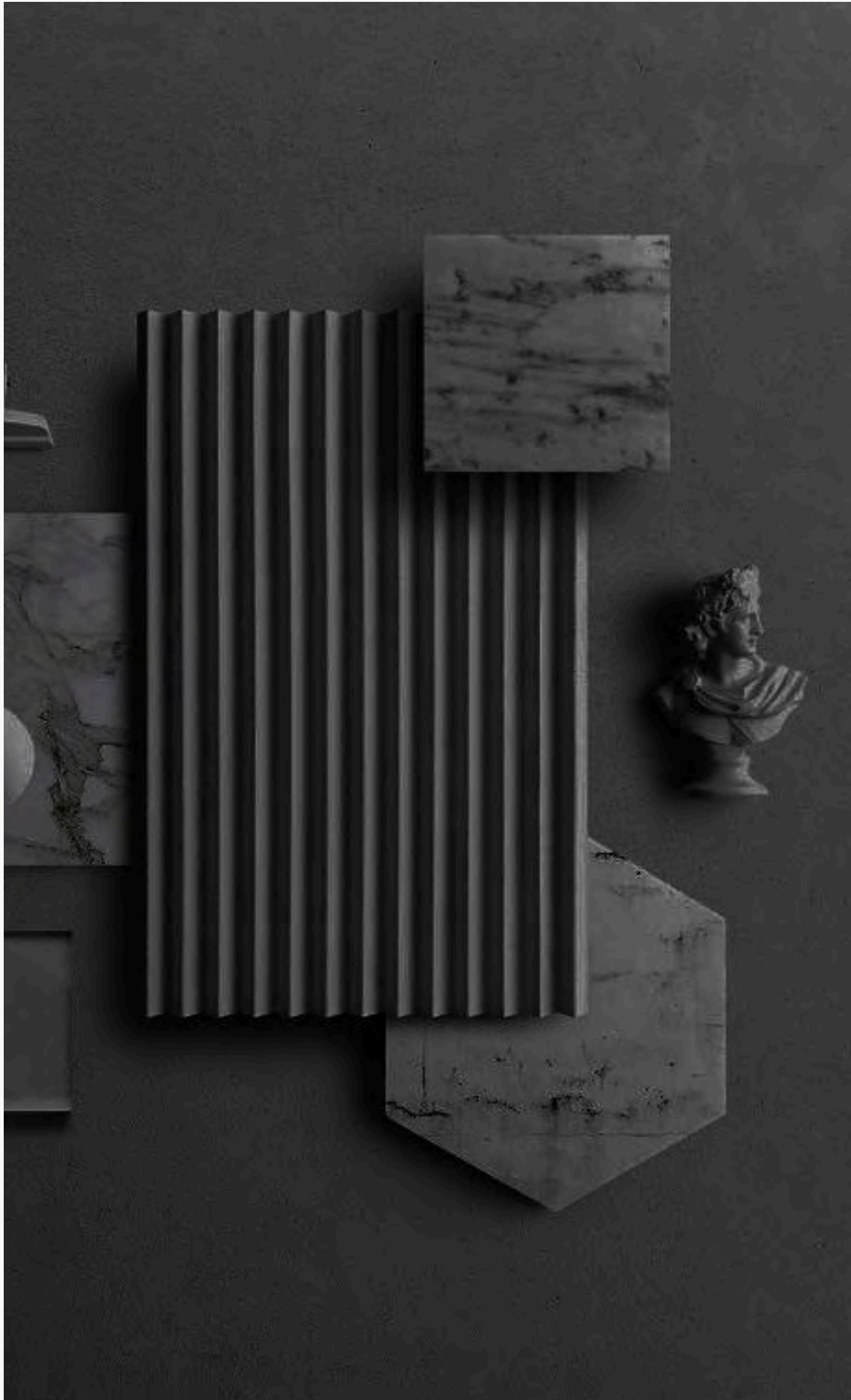
STORAGE LAYOUT



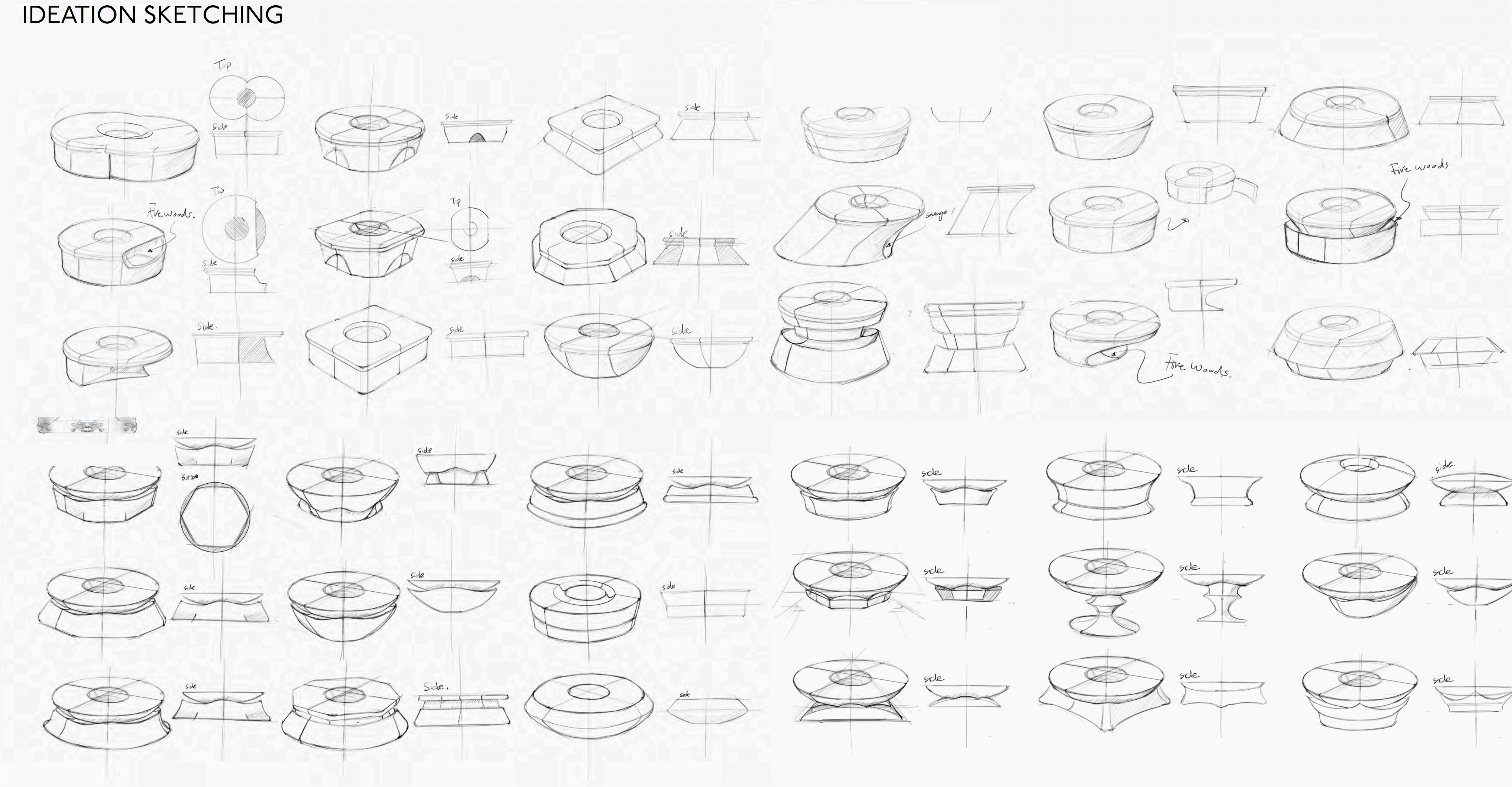
- Firewood
- Scented Wood (Brich)
- Fire Place Tool (Matches, Fire-tools)
- Burner

DESIGN PROPORTION

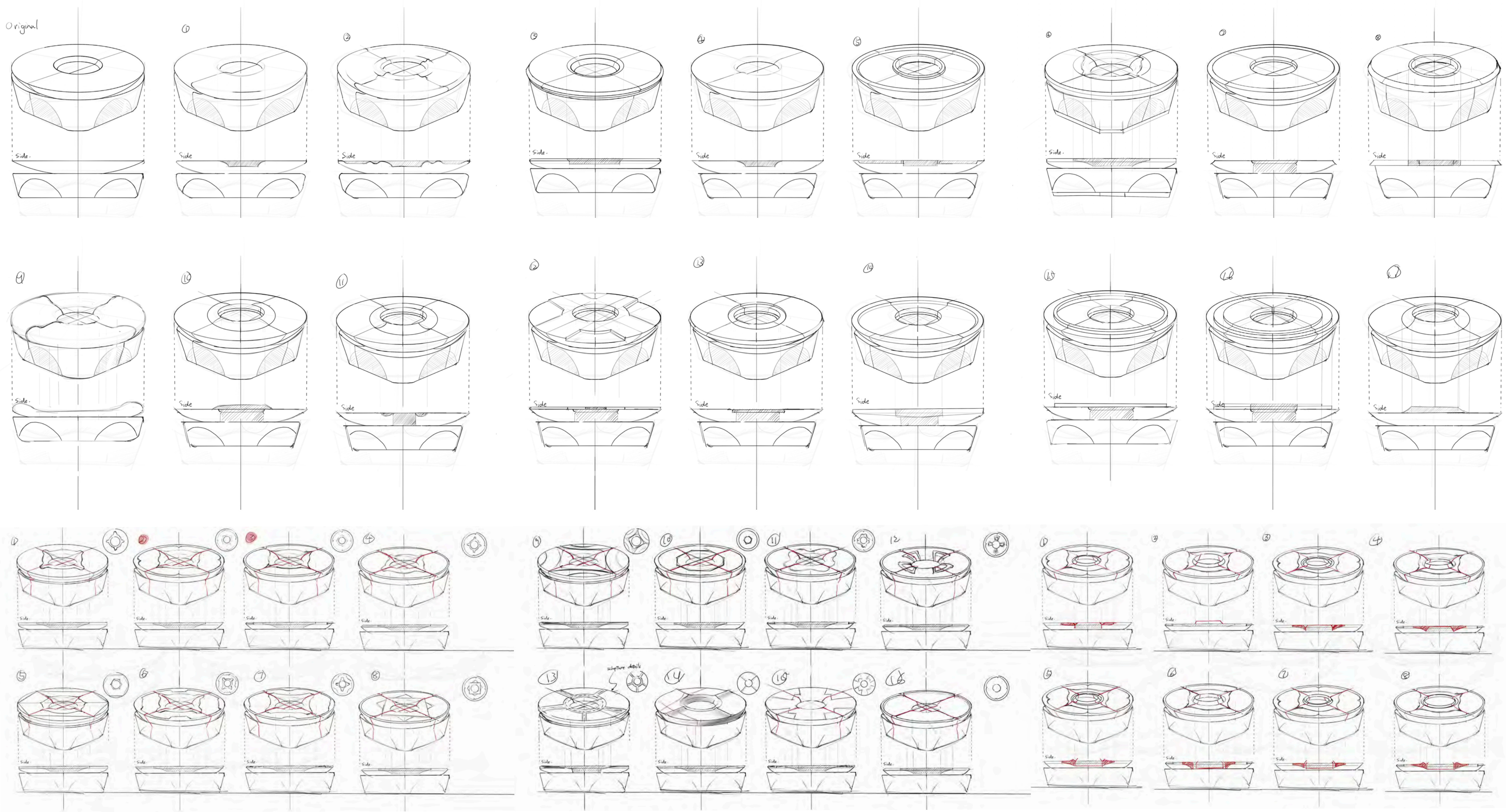
TEXTURE, FINISH, MATERIAL



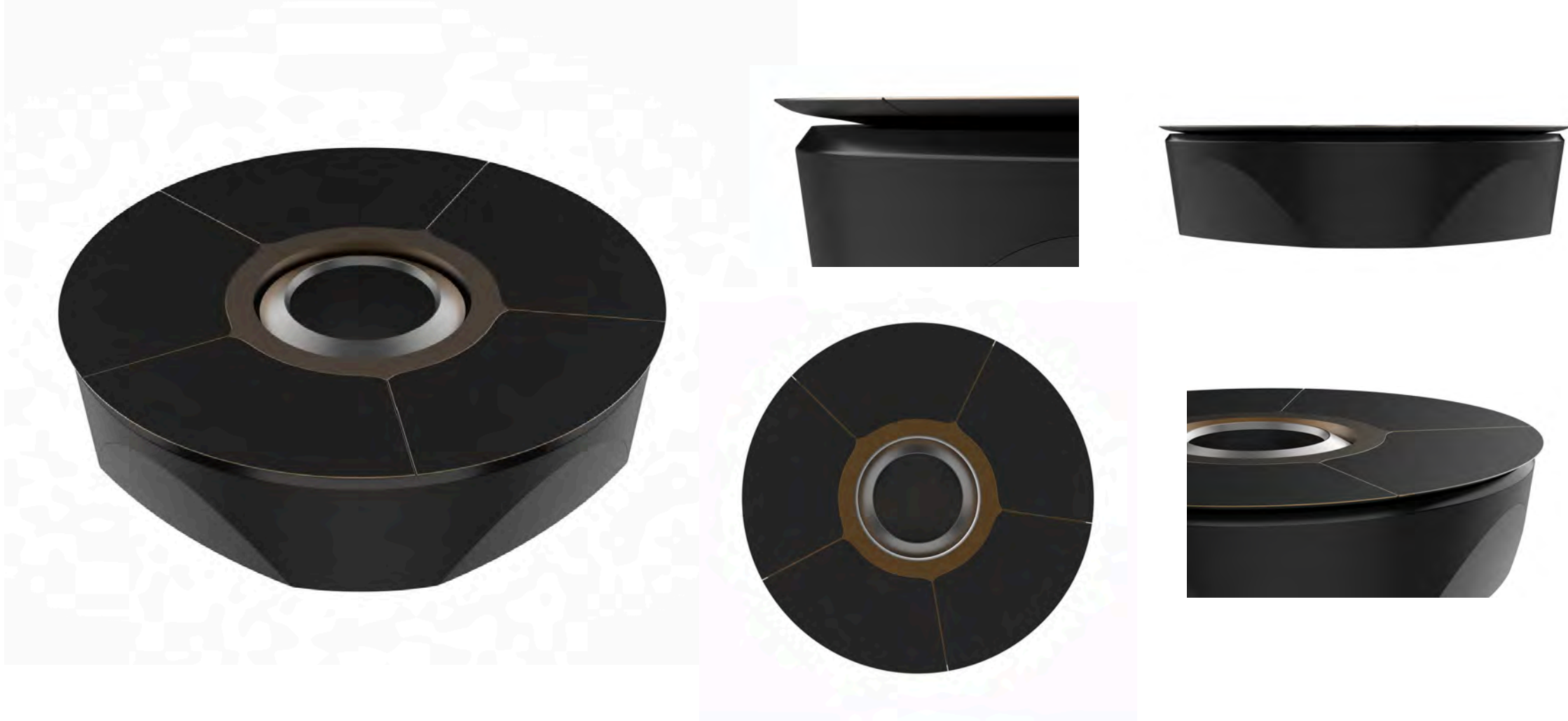
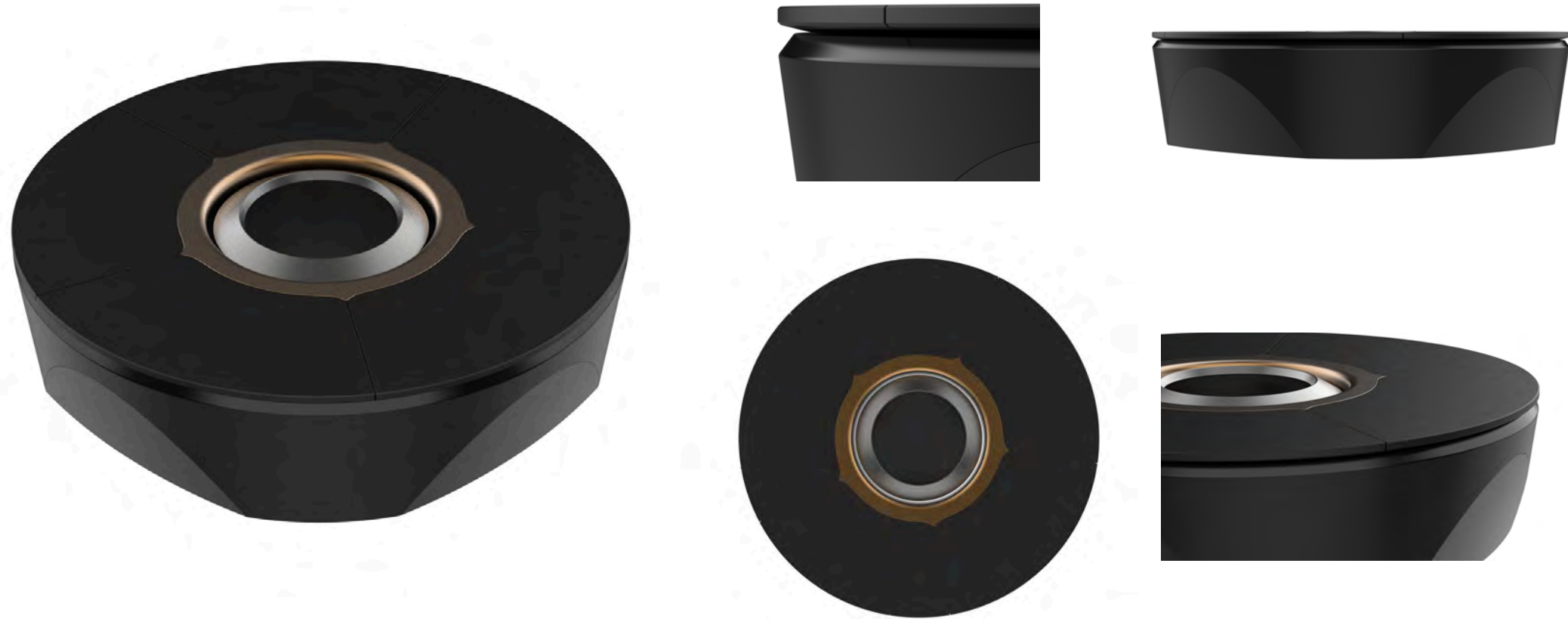
IDEATION SKETCHING



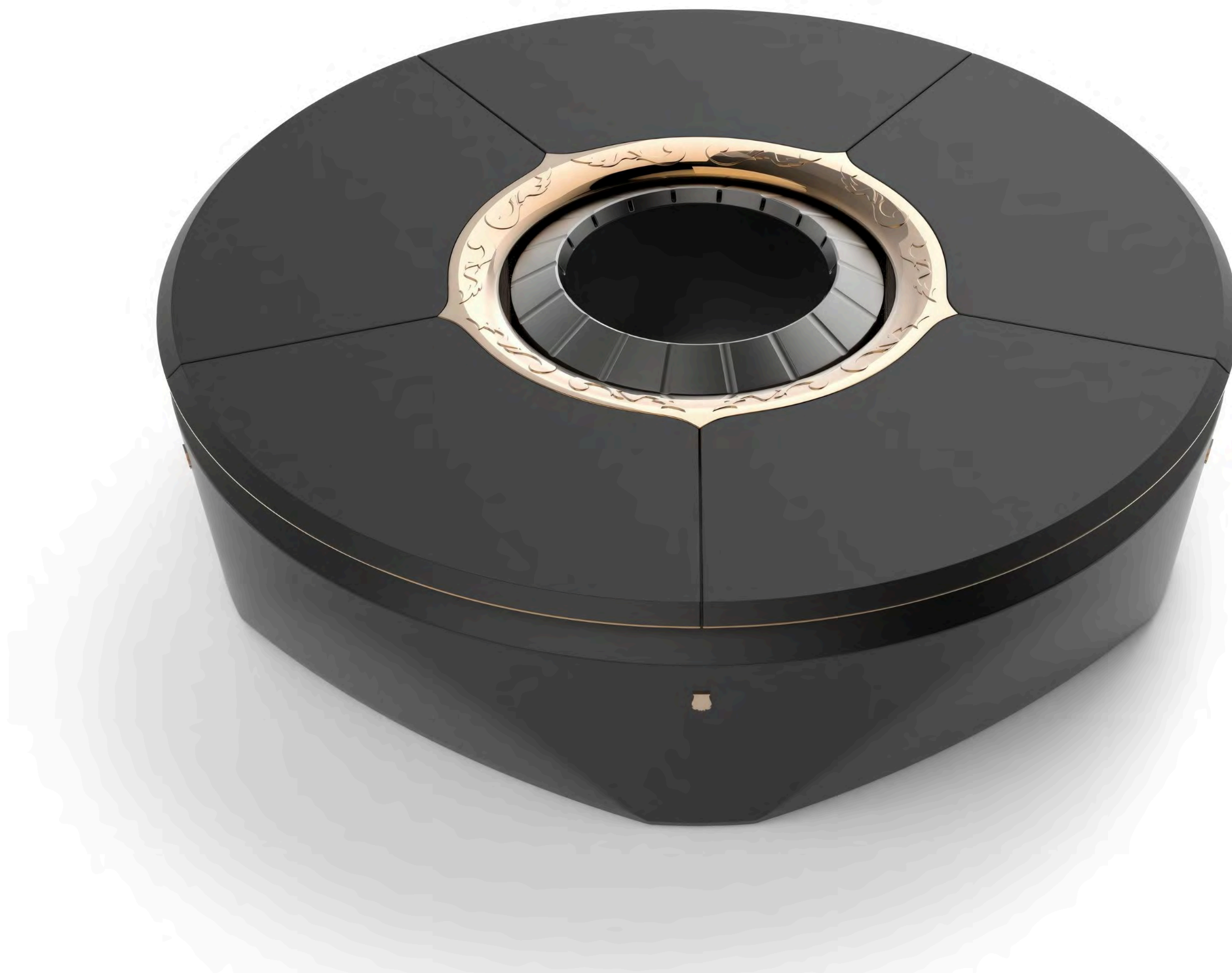
IDEATION SKETCHING



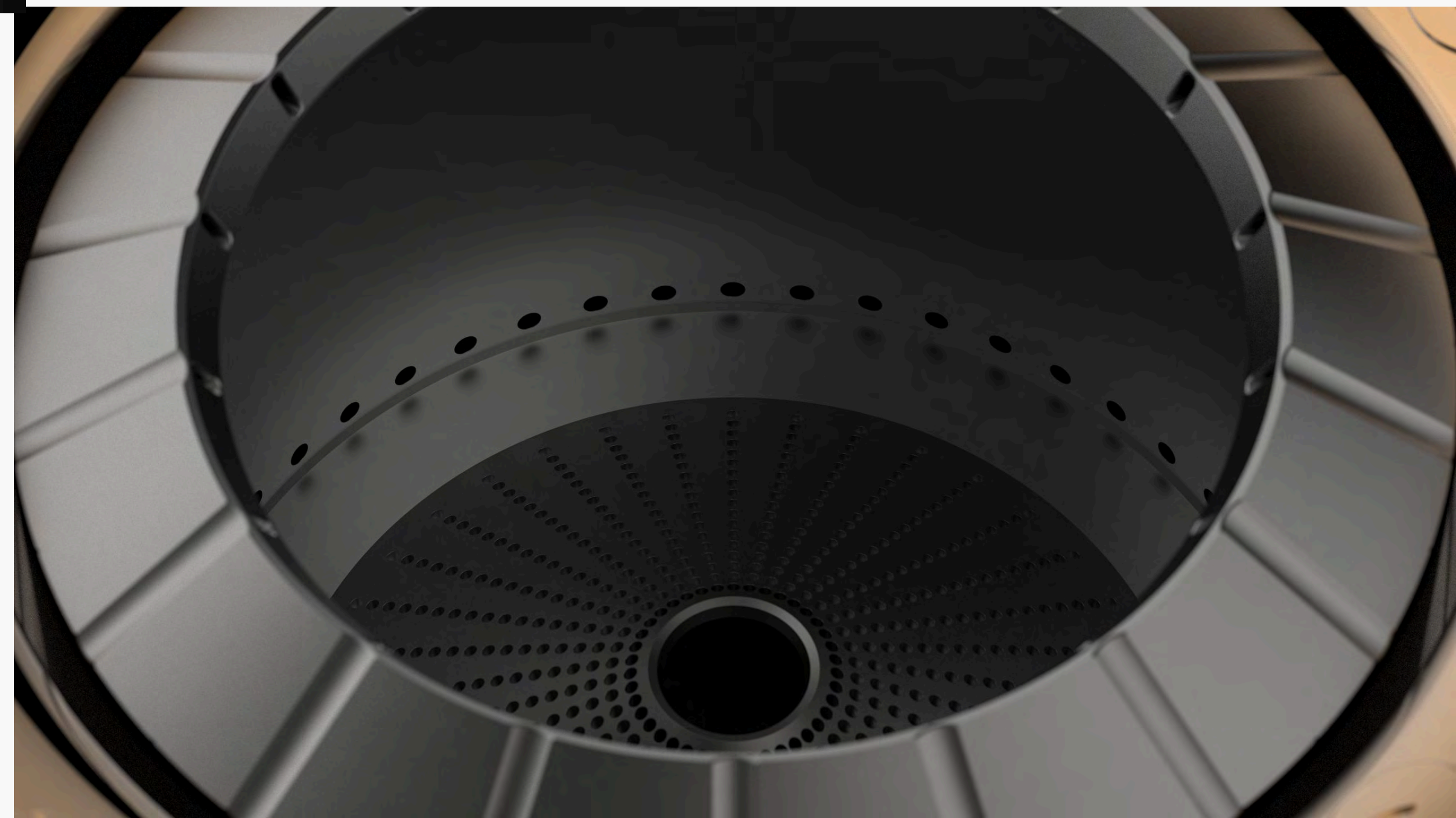
VARIATIONS















HYDRAULIC STRUTS

HYDRAULIC STRUTS

Advantages:

- Capable of supporting heavier loads with smooth operation.
- Less affected by temperature variations.
- Offer controlled motion, reducing the risk of sudden movements.

SLIDEWAY





SMOKE BURNER

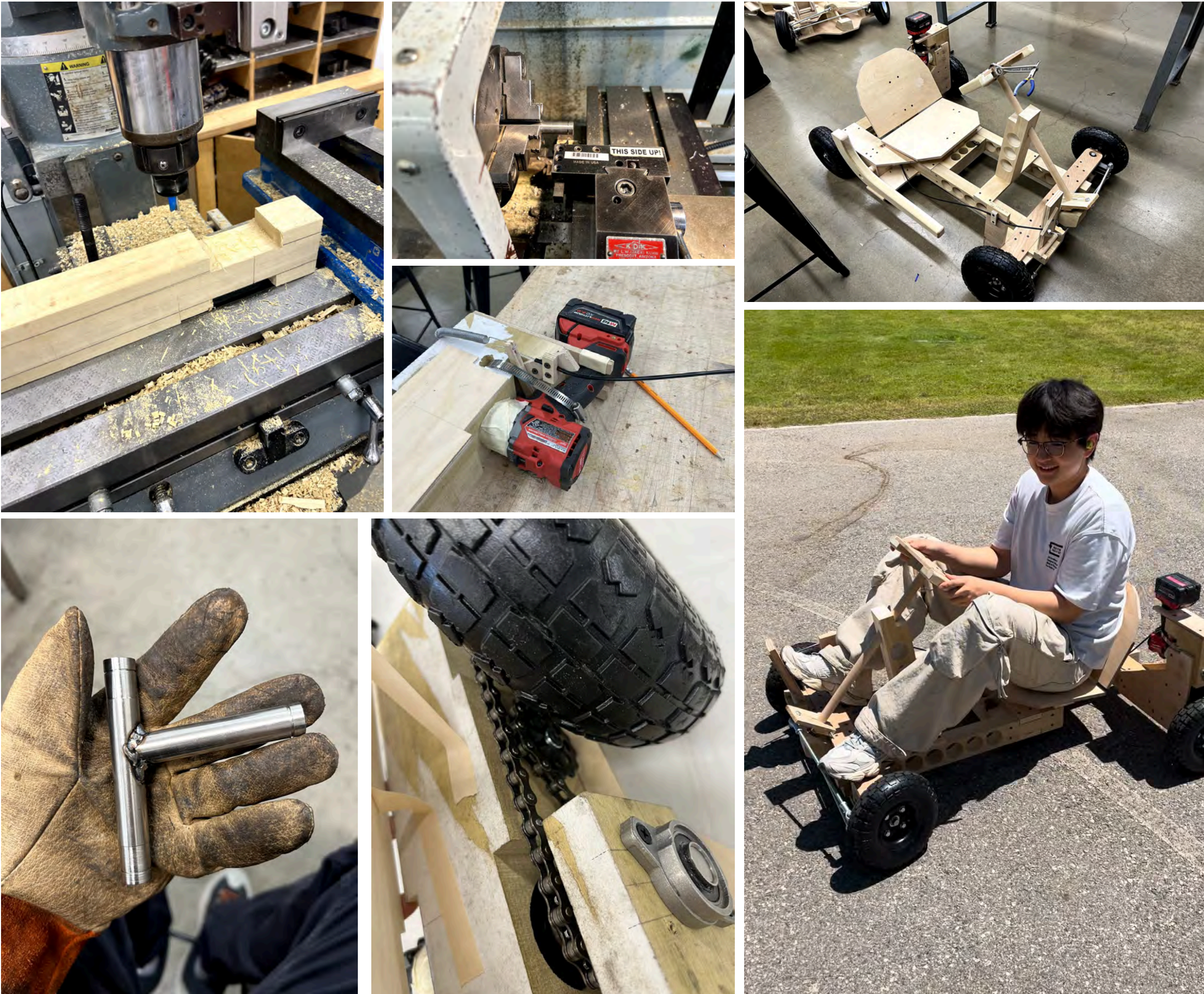
- ♦ Cold Air Intake: Allows fresh air to flow in from the bottom to fuel the fire.
- ♦ Secondary Burn: Preheated air ignites remaining smoke particles for a cleaner burn.
- ♦ Fire Ring: Contains the fire and helps maintain airflow for efficient burning.



OTHER PROJECTS

RACE KART

Welding, Milling, Lathe



MAZDA MOVING TOY

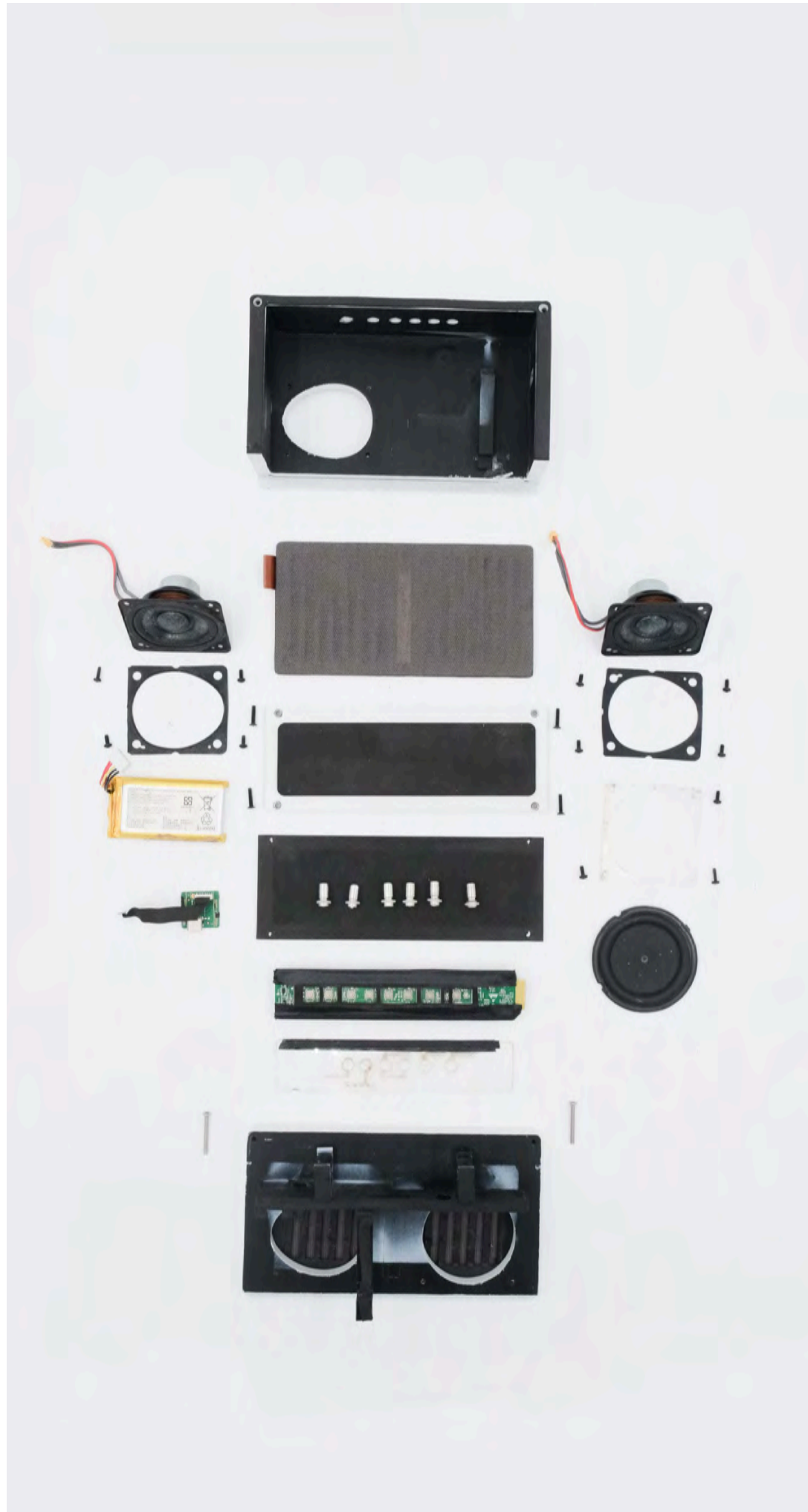
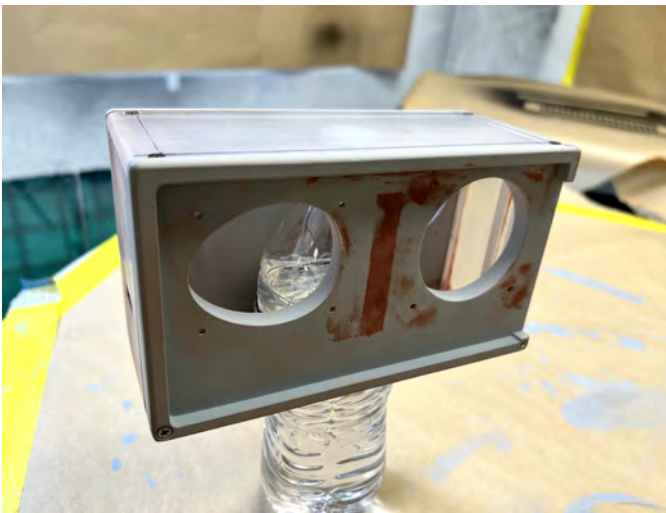
3D Modeling, PLA 3D Print, spray paint



OTHER PROJECTS

MARSHALL SILYALYTE SPEAKER

Laser cut, Milling, Lathe, Spray paint, Product analysis



PERSONAL PORTFOLIO

CONTACT INFORMATION

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