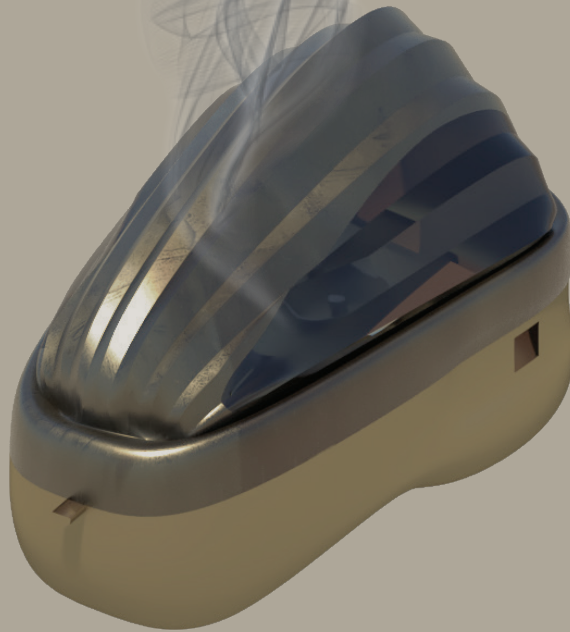


RAMLAT

Portable Bukhoor Burner



Tuleen Damiri

INTRODUCTION

01



DESIGN
DEVELOPMENT

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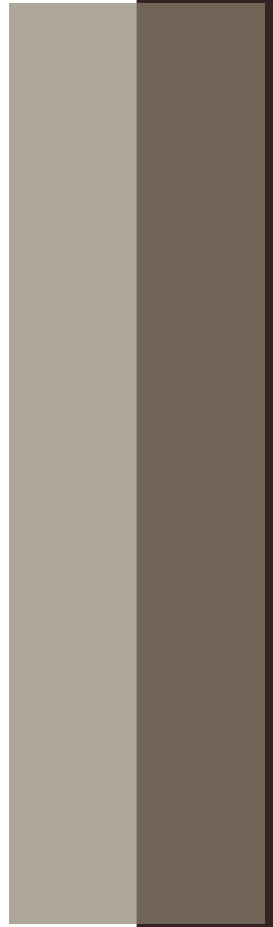


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01

INTRODUCTION

RAMLAT



PROJECT DESCRIPTION

Ramlat reimagines the traditional tape measure as a portable electronic Bukhoor burner (incense burner), offering a sleek and modern way to enjoy personal fragrance throughout the day. The device features an internal mechanism that includes a retractable Bukhoor strip, a rechargeable battery, a heating element, and a fixed outer cover.

The Bukhoor is redesigned into a flexible, pre-measured strip that mimics the function of a measuring tape. Users can easily dispense the desired amount, cut it, and retract any excess with the press of a button. A second button activates the battery-powered heating element to gently burn the incense.

Designed for ergonomic, two-handed use, the burner is lightweight and intentionally minimal, unlike traditional bulky burners. Thin, subtle slits allow the fragrant smoke to release in fine lines, and mimic how wind moves desert sand, guiding the Bukhoor smoke to flow gently in soft, controlled lines. Burnt residue is collected in an internal compartment, which can be emptied when convenient.

Bukhoor, known for its rich, lingering aroma, is traditionally used in Emirati and Arab cultures to scent clothing and hair. This design adapts that cultural ritual for personal use on the go, allowing individuals to maintain a fresh, signature scent throughout the day with ease and elegance.



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



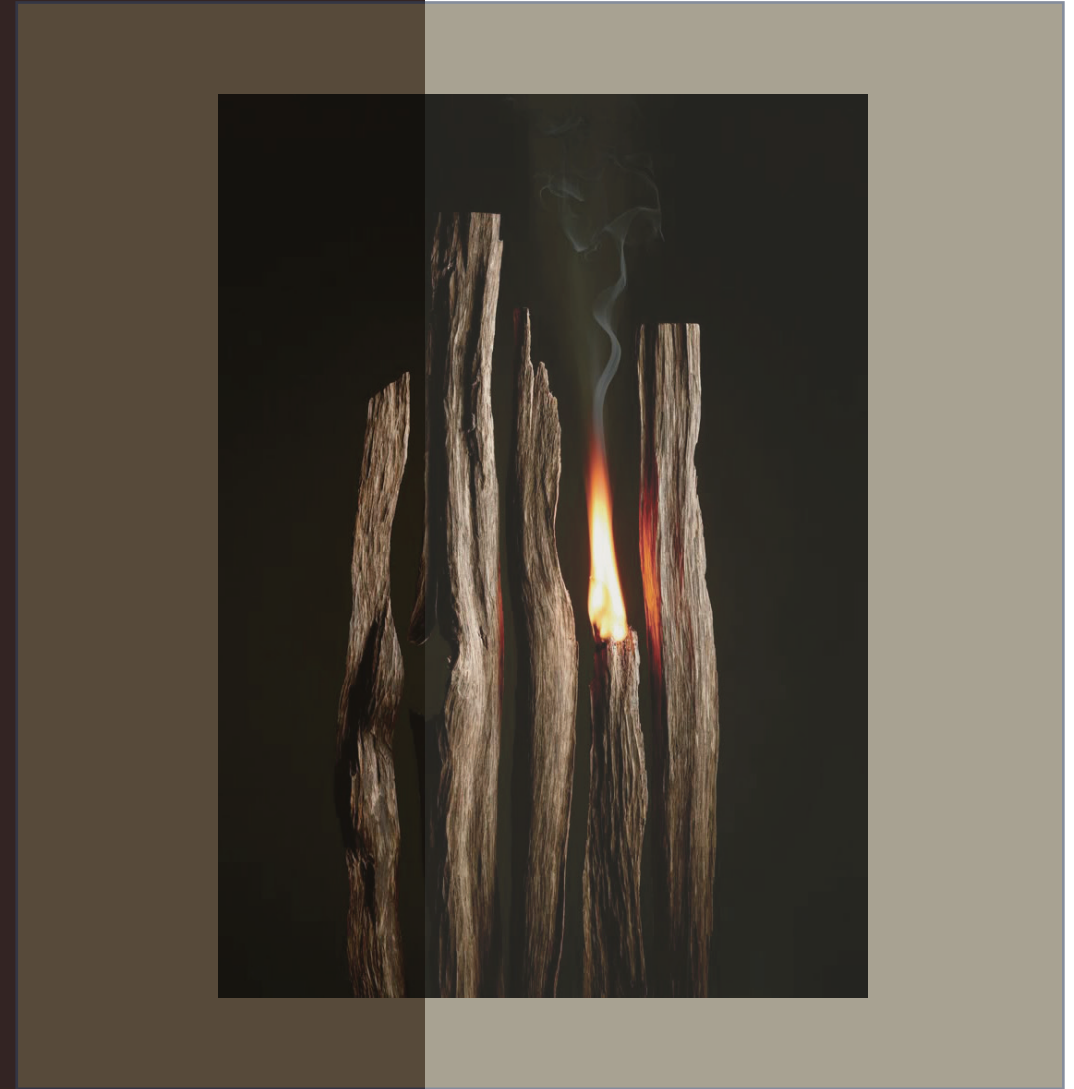
<https://www.noon.com/uae-en/oud-bakhoor-incense-burner>.

WHAT IS BUKHOOR?

Bukhoor is a traditional incense made from natural wood chips, often agarwood or sandalwood, infused with fragrant oils, resins, and spices. It comes in many shapes, forms, and prices. Originating in the Arabian Peninsula and widely used across the Gulf, Bukhoor is deeply tied to cultural and personal rituals of scent. It is commonly burned to perfume clothing, hair, and living spaces, creating a warm, lingering aroma. Traditionally, it's placed on hot charcoal in a mabkhara (incense burner), though modern methods include electric burners. The smoke not only refreshes but also reflects heritage, elegance, and daily self-care.



<https://sedasmiracle.com/en/bakhoor/>



USER DEMOGRAPHIC

The target users of this product are Khaleeji women between the ages of 20 and 30 who incorporate fragrance into their daily routines as a form of personal care and cultural expression. Bukhoor plays an essential role in their lives, not just for special occasions, but as a way to scent their clothing and hair before leaving the house or when they want to freshen up and smell their best.

These are women on the go balancing work, study, and social commitments, who seek a practical, elegant solution for refreshing their scent throughout the day. The product supports this lifestyle by offering a portable, easy to use alternative to traditional Bukhoor burners.

According to anthropometric research, the average female hand length ranges from 6.2 to 6.8 inches. This has been taken into account in the design process. Unlike traditional burners that require a stationary grip or setup, this device is designed to be held and operated naturally with two hands, providing stability and ease of control even when standing or walking. Button placement, curvature, and size have all been tailored for smaller palms and lighter grips, allowing for a smooth and intuitive interaction.



<https://www.pinterest.com/sajmal/henna/>



<https://www.instagram.com/lootah-perfumes/p/DDzKW5jp9bC/>

CONTEXT OF USE

This product is intended for use in indoor restrooms, where women take brief moments to freshen up before continuing with their day. A common scenario occurs after finishing a meal or gym session, when the lingering scent of food/sweat on clothing or hair prompts the user to step into a restroom/lockerroom to restore a sense of cleanliness and confidence.

Within this setting, the user retrieves the burner from her handbag and holds it naturally with both hands while standing. The device activates quickly and releases a gentle stream of Bukhoor through fine slits, allowing her to subtly scent her abaya, shayla, or hair without drawing attention or filling the room with overpowering smoke.

The product's compact size and intuitive two-handed operation were developed with restroom conditions in mind, where time is limited, space is confined, and surfaces are not always suitable for placing personal items. It supports a seamless and culturally resonant scent ritual in a controlled, discreet, and elegant way.

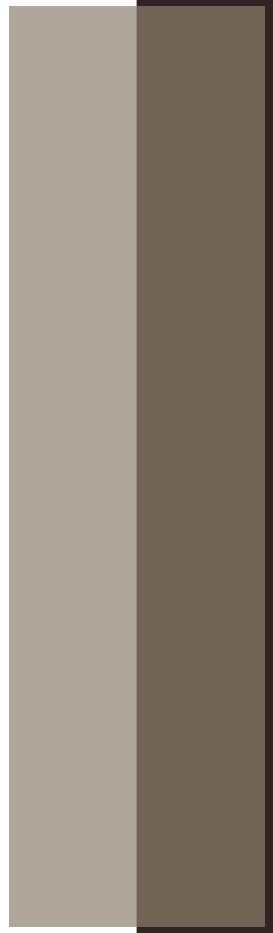


<https://www.pinterest.com/pin/410672059789535027/>



<https://www.pinterest.com/pin/625085623318111105/>





02

**DESIGN
DEVELOPMENT**



PRELIMINARY MODELS

Foam Model



Top View



Front View



Right Side View



Perspective View



Back View



Left Side View

Clay Model



Top View



Front View



Right Side View



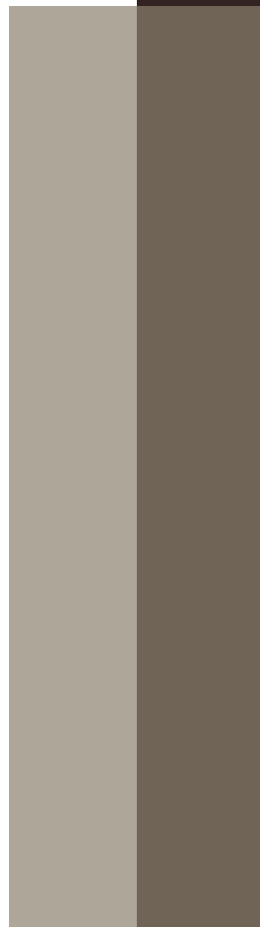
Perspective View



Back View

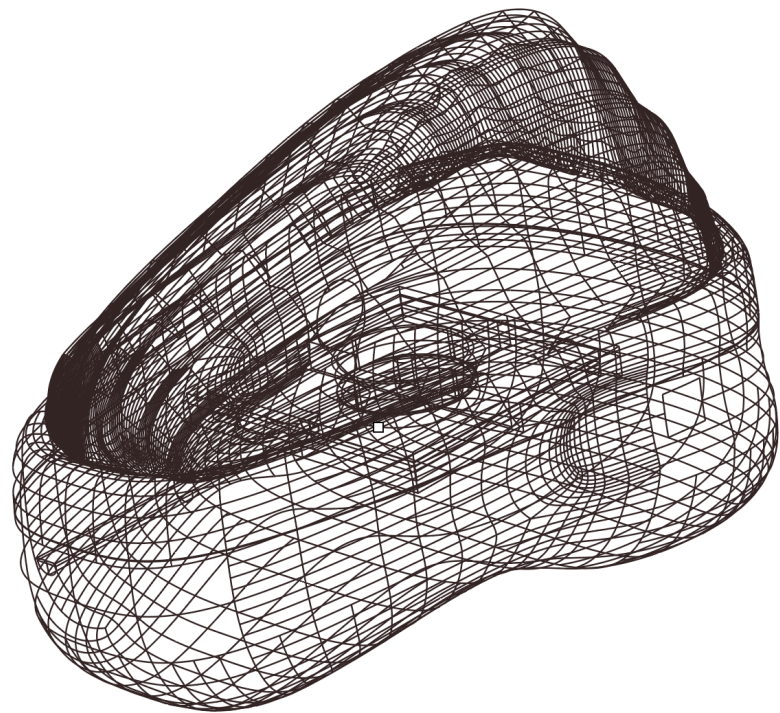


Left Side View

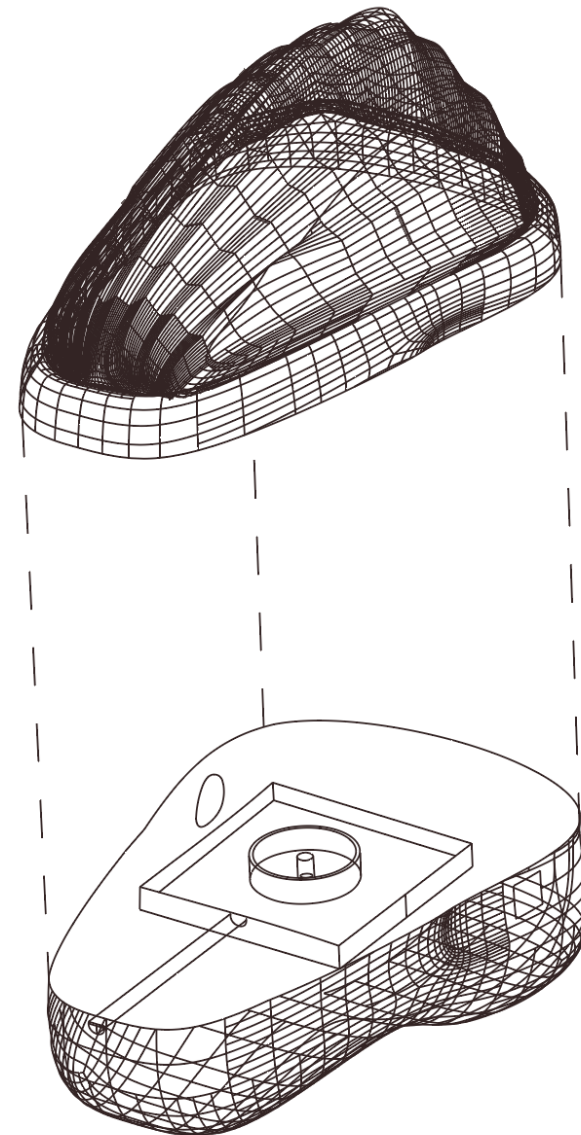


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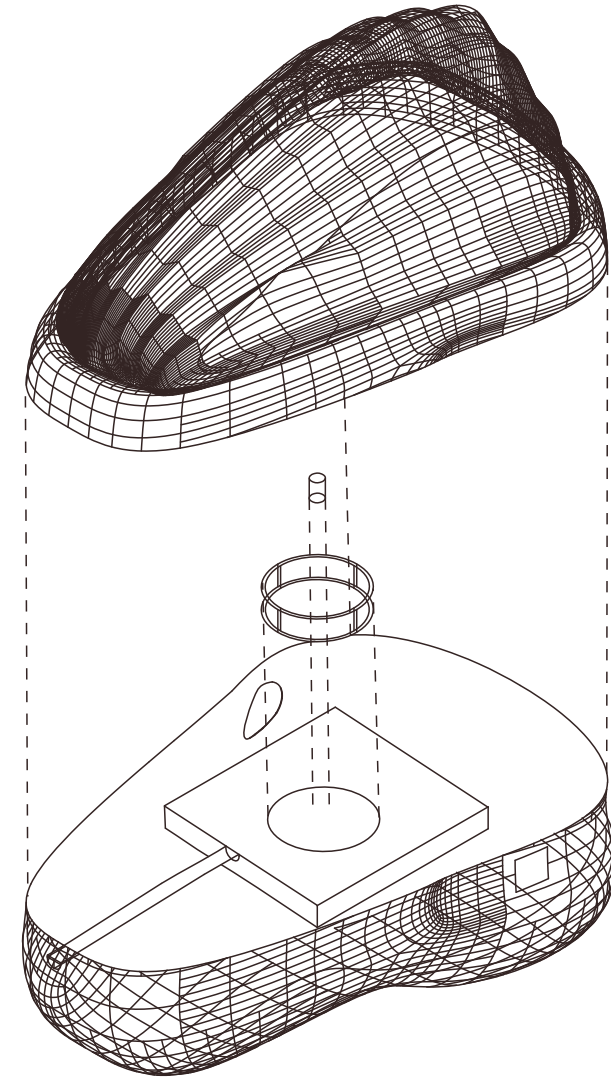
FINAL DESIGN



PERSPECTIVE DRAWING

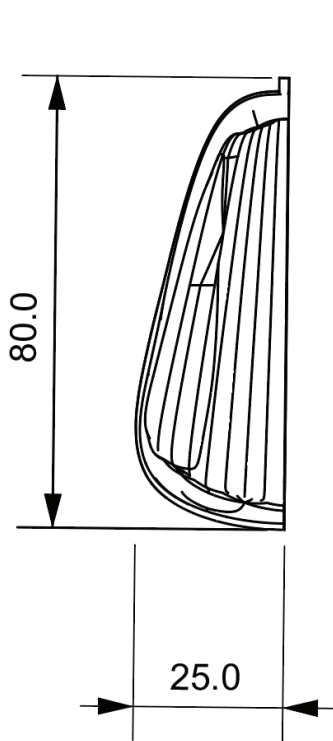


EXPLODED AXONOMETRIC

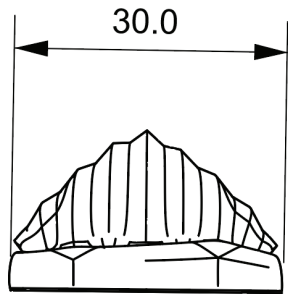


ORTHOGRAPHIC DRAWINGS

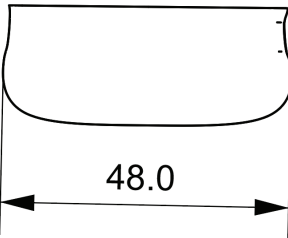
Split Model - Top Half



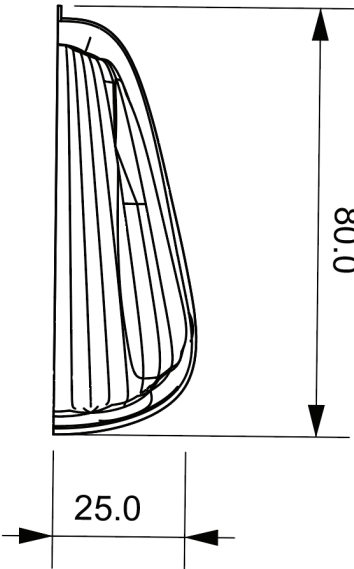
Left Side View



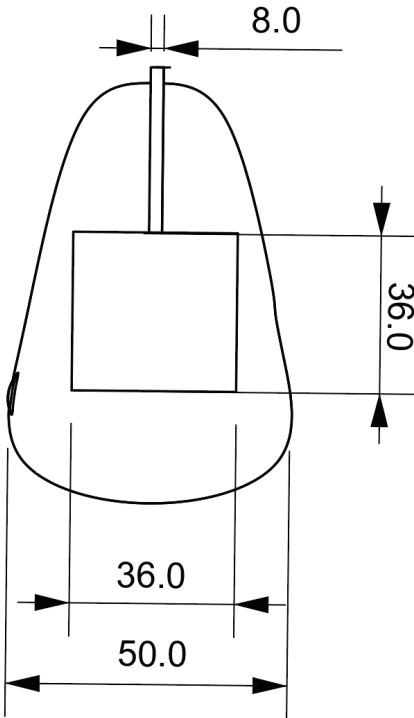
Front View



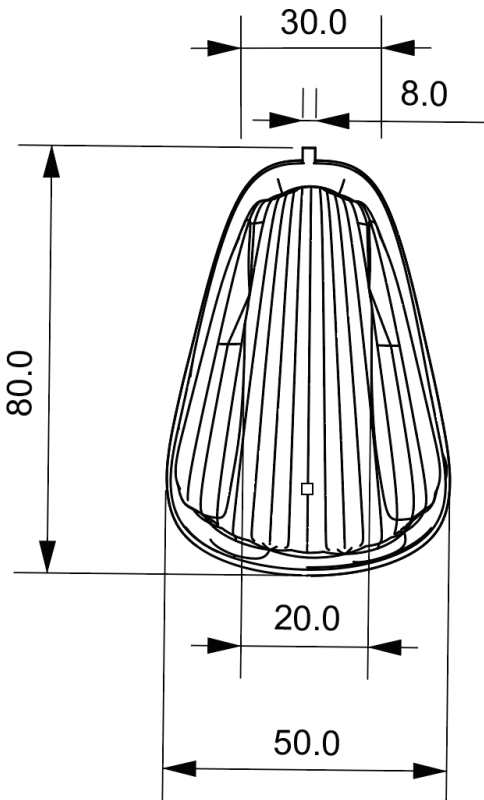
Bottom View



Right Side View



Interior View

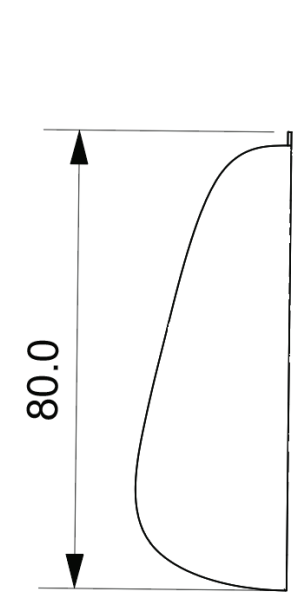


Back View

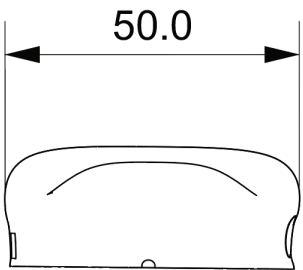
All measurements are in mm

ORTHOGRAPHIC DRAWINGS

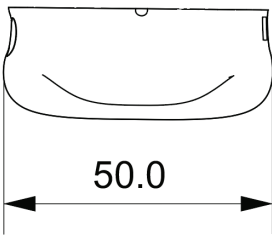
Split Model - Bottom Half



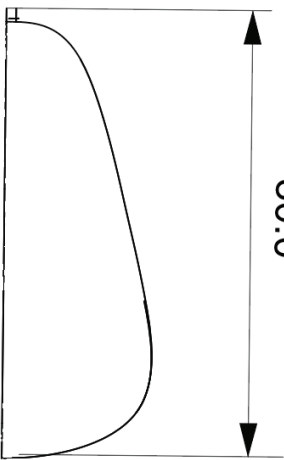
Left Side View



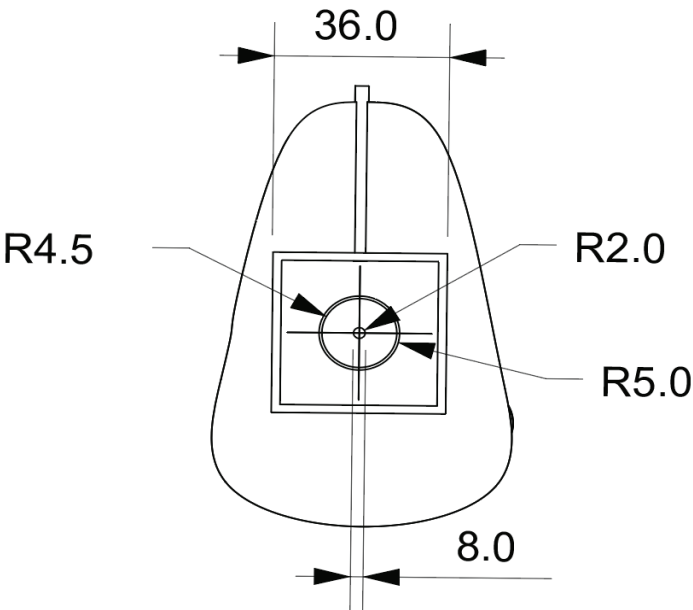
Front View



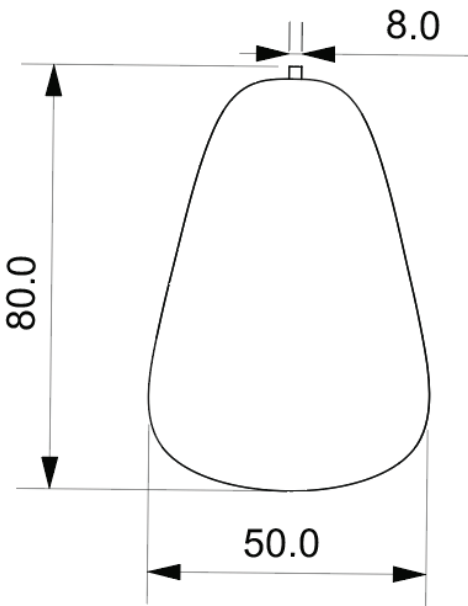
Bottom View



Right Side View



Interior View



Back View

All measurements are in mm

3D PRINTED MODEL

Full Model



Top View



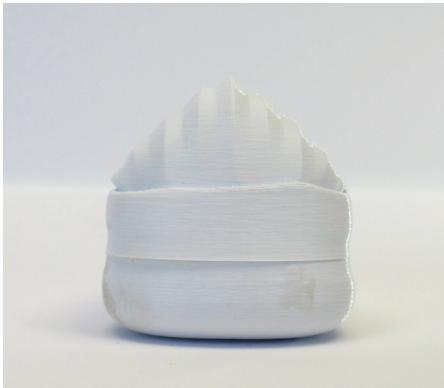
Front View



Right Side View



Perspective View

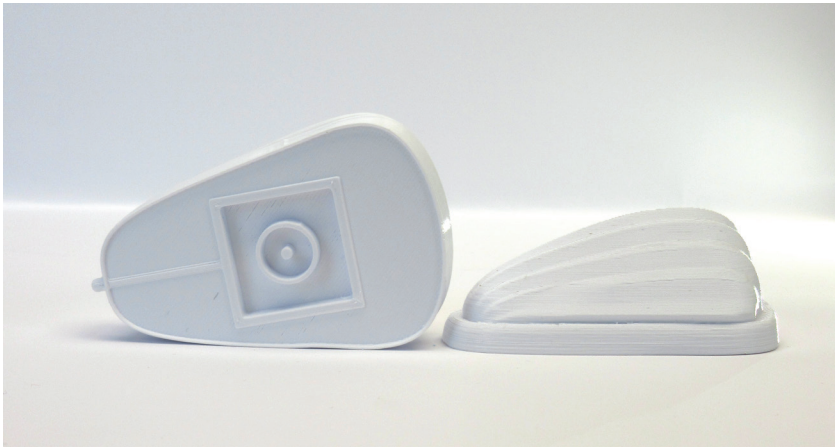


Back View

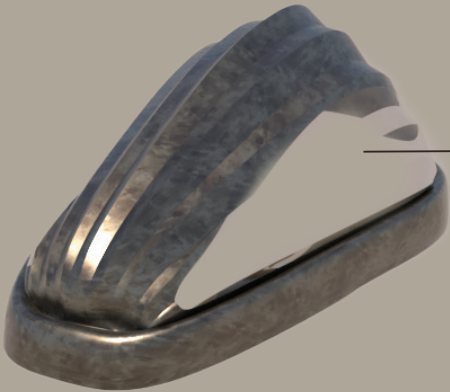


Left Side View

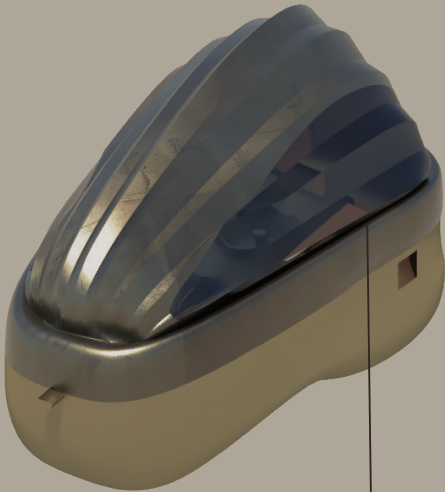
Interior



DESIGN DETAILS

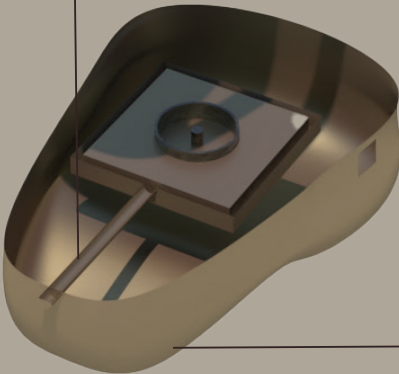


Made from a brass-like material with narrow slits that allow smoke to escape while preserving heat.



Glass Section: A tinted glass strip integrated into the lid lets users view the bukhoor inside without opening it.

Inner Mechanism: a retractable tape mechanism inside holds refillable bukhoor strips, allowing easy use and portion control.



Base: Crafted from a gold toned material, giving the burner a luxurious polished appearance.



This top view gives the burner a sleek sculpted look with the pleated lid design. The tinted glass strip blends subtly with the form making the side appear seamless and almost invisible.

Bukhoor Holder: Inside the burner, beneath the lid is a recessed holder where the bukhoor strip is placed for burning. This section is easily accessible by lifting the lid making it convenient to insert or replace incense.



The curved form is designed for comfort and grip, making it easy to hold the burner securely while in use. Its ergonomic shape supports on the go use without needing to place it on a surface.



