



Универзитет Св. "Кирил и Методиј"
Машински факултет - Скопје



Одбрани проекти по предметот:

ПРОИЗВОДИ ОД ПЛАСТИКА

Учебна година:

2019-2020

Предметен наставник: Проф. д-р.Иле Мирчески

Проект бр. 1:
Изработка на калапно гнездо

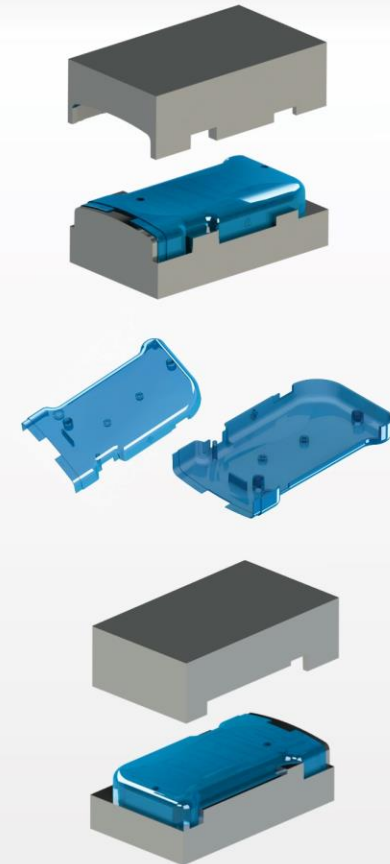
CORE AND CAVITY MOLD DESIGN



Tactical LED
Flashlight



Power extension
Socket



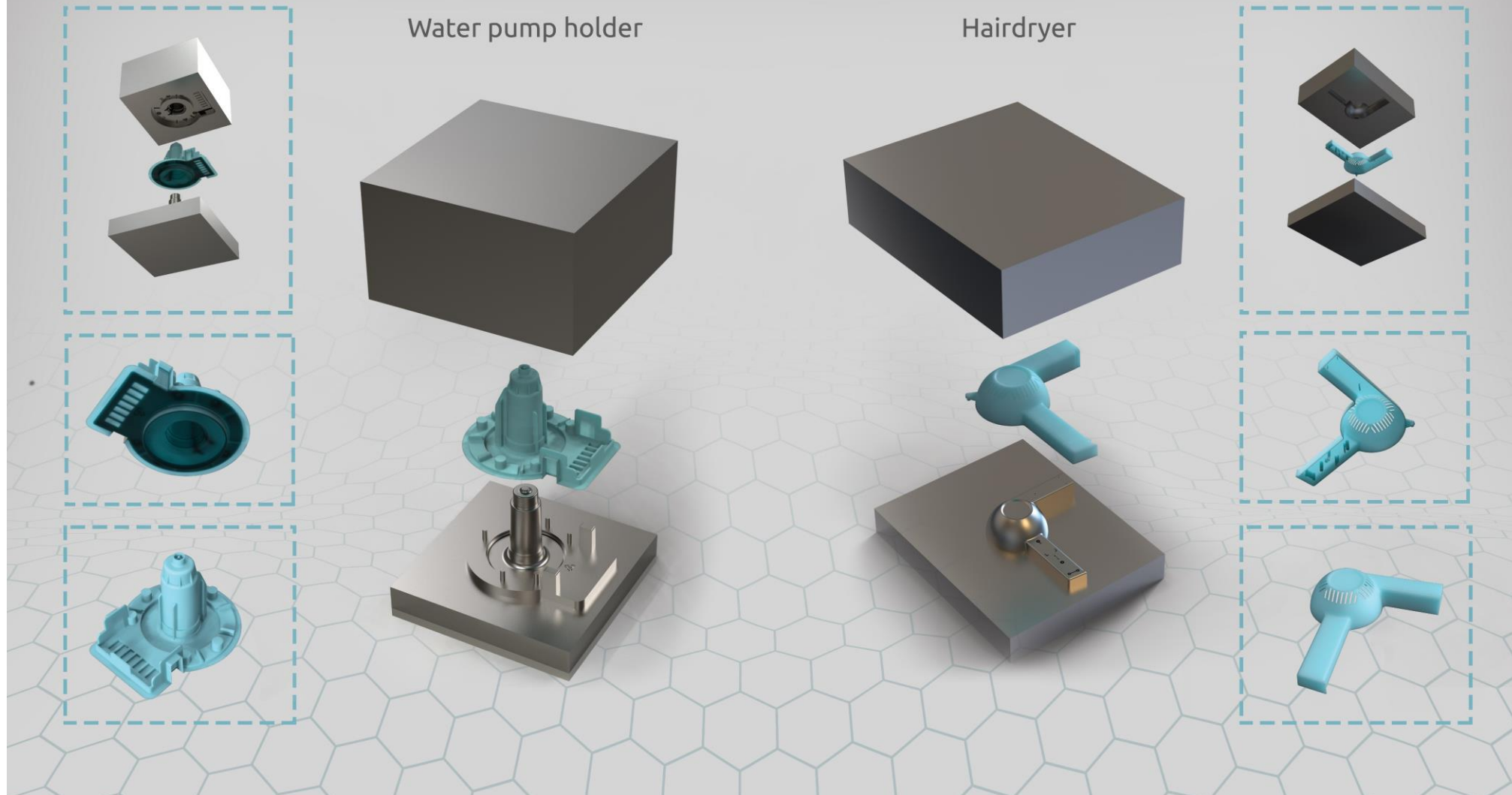
Hand Crank
Flashlight

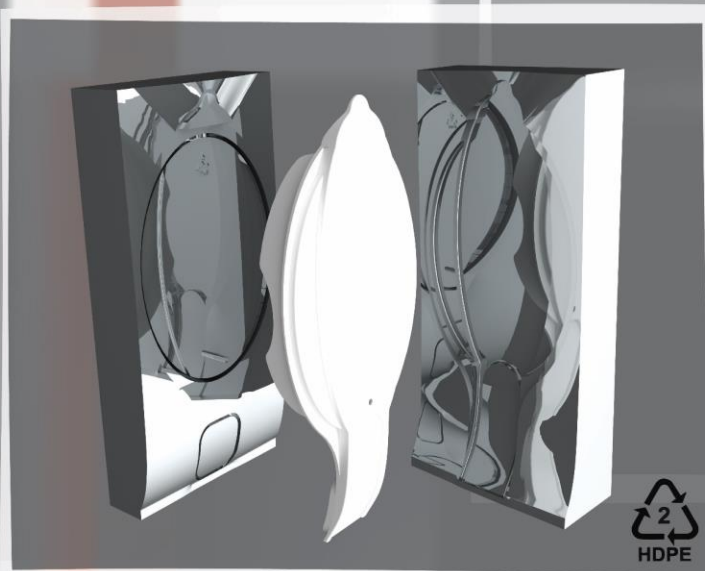
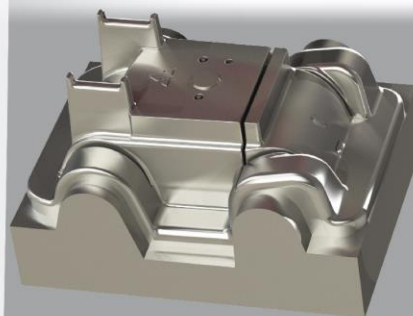
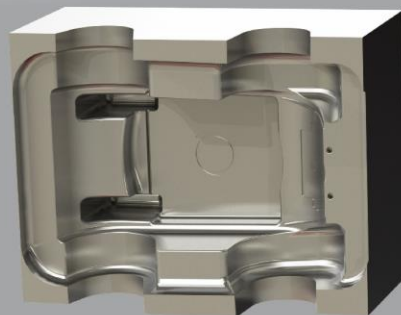


Core and cavity

Water pump holder

Hairdryer



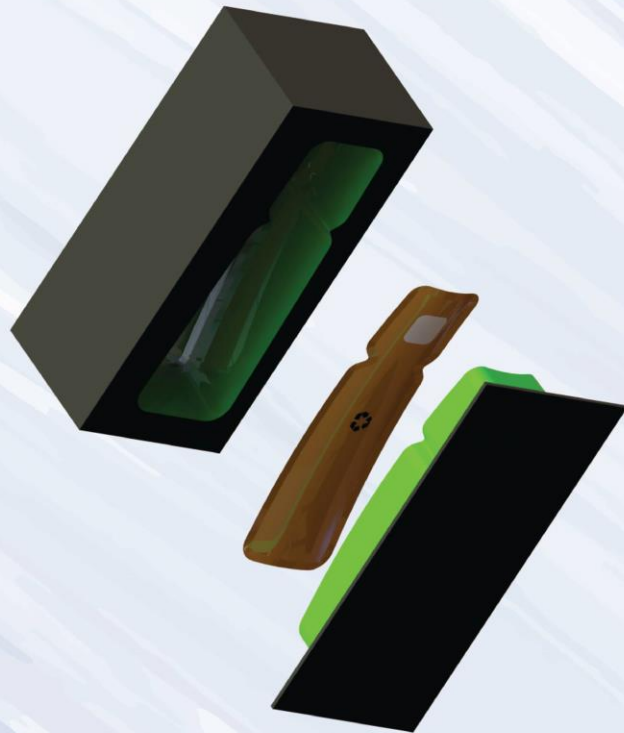


Core and cavity mold design
made with mold injection process



Core and cavity design

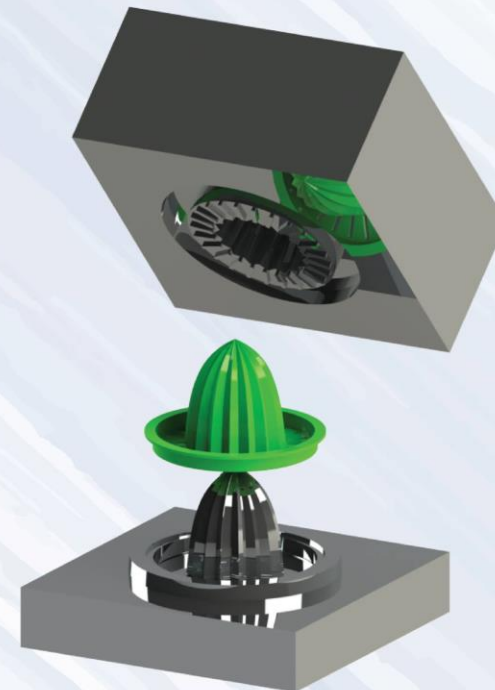
Shoehorn



Crumb sweeper



Lemon squeezer



PLASTIC MOLD DESIGN

Plastic product designs and their molds

Telephone earphone



Plastic children toy



"Ss. Cyril and Methodius" University
Faculty of Mechanical Engineering
Industrial Design, Ergonomics and Applications Lab



Students: Bojan Cvetkovski and Ljubica Aleksoska
Course: Design with Plastics
Leader: Prof. Dr. Ile Mircheski
School Year: 2019/2020

Проект бр. 2:
Дизајн на мал апарат за домаќинството

T-

SPENSER

Table-mounted water dispenser



T-Spenser is a table-mounted water dispenser for the thirsty ones.

The very compact design and easy install make it ideal for any type of table including small ones.

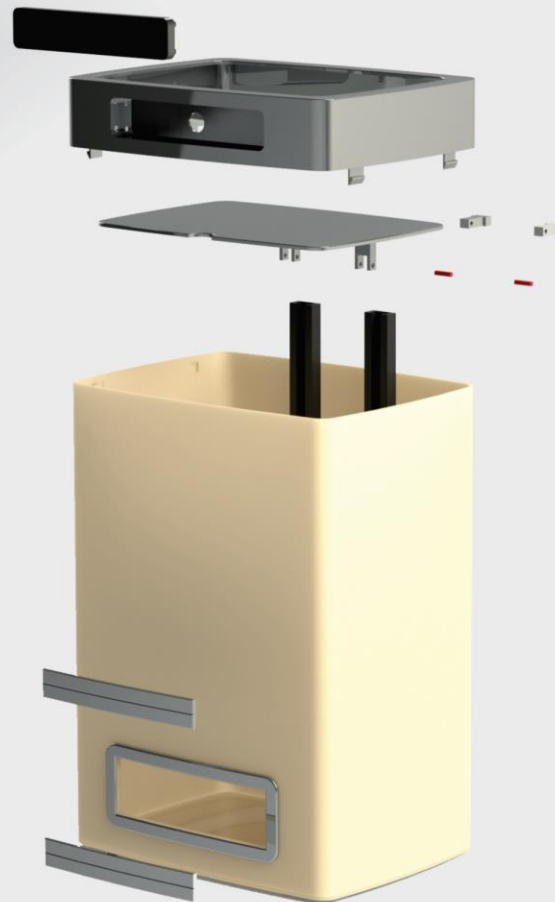
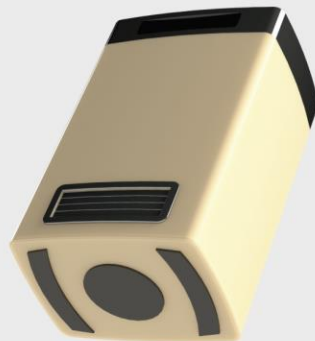
The fully rotatable 360° head makes the dispenser accessible from any angle.



Smarter Recycling



Bin depth excluding lid: 250mm
Bin width excluding lid: 337mm
Bin height excluding lid: 490mm
Total height: 553mm
Total height with lid open: 740mm
Total width: 340mm
Bin capacity: 35L



This is a smart waste bin. It has multiple sensors and advanced features that facilitate the recycling process. All functions are controlled via the large front-facing display. With a wave of the hand over the bin, the lid opens. The goal is to make the bin cover after a certain period move parallel to the bottom which will cause waste pressing.



H e a t w a v e



- compact room heater



- 3 temperatures



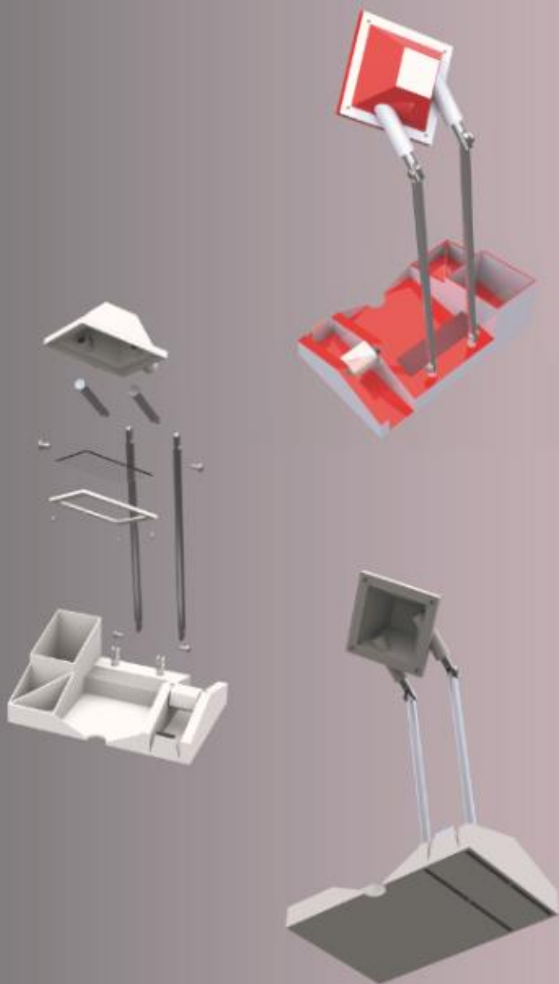
- low to high intensity

- energy and power saving



MULTIFUNCTIONAL DESK LAMP

AN IDEAL ASSET TO YOUR WORKPLACE



NO MATTER HOW SPACIOUS YOUR DESK SURFACE IS, THINGS SEEM TO PILE UP AUTOMATICALLY AND IN TIME, SPACE ALWAYS BECOMES A PROBLEM.

ADJUSTABLE HEAD THAT MOVES FORWARD AND BACKWARD

OPTIMIZE YOUR DESKTOP WITH THIS **CLEVER** MULTIPURPOSE DESK LAMP.

COMPARTMENT FOR PENS AND PENCILS

STORAGE OF PINS, PAPERCLIPS AND OTHER SMALL THINGS

BUSINESS CARD SLOTS

POST-IT NOTES HOLDER

TAPE DISPENSER

"Ss. Cyril and Methodius" University
Faculty of Mechanical Engineering
Industrial Design, Ergonomics and Applications Lab



Student: Jana Angelovska 2106
Course: Design with Plastics
Leader: Prof. Dr. Ilie Mircheski
School year: 2019/2020

SMART SEWING MACHINE

Step further in Fashion Design



- Minimal and ergonomic design
- Intuitive touch display with user friendly interface
- Opportunity to sew by CAD patterns
- 19 sewing stitches
- Needle up/down adjust button
- ON/OFF switch button



ELEGANT TOUCH BLENDER

...Simple yet elegant,
less yet more...



Organic form

The main body of the blender is made of Polycarbonate plastic and has an elegant, simple and minimalistic shape

Double function

The elegant touch blender can be easily adapted for both blending and mixing food functions with a lower element made of stainless steel

Lighting touch

This blender can start to work only with a touch on a stainless steel surface on which a light bulb will appear with the sign ON





**SIMPLE PHONE DESIGN
INSPIRED BY THE CENURY'S PHONES
MADE OF ONLY FOUR PARTS**



**MADE OF ABS PLASTIC
AND GLASS DISPLAY
IN THE FRONT WHICH
CONTAINS THE NUMBERS**



**SEPARABLE HANDSET
MATED WITH SCREWS.
EXPRESSED WITH SIMPLE CURVE, IT
DOMINATES IN THE OFFICE**

CENT PHO

SOPHISTICATED OFFICE DESIGN



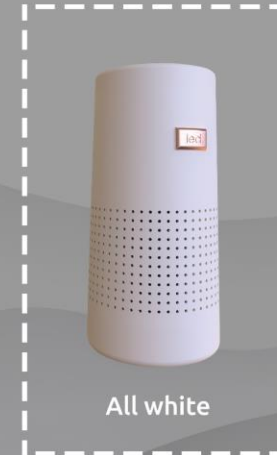
Led Bluetooth Speaker.

A bluetooth speaker with lights perfect for every ambiend and for creating the right mood.This speaker offers three different color options

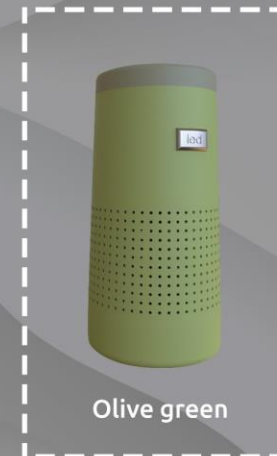


On/off & Bluetooth

Volume mixer



All white



Olive green

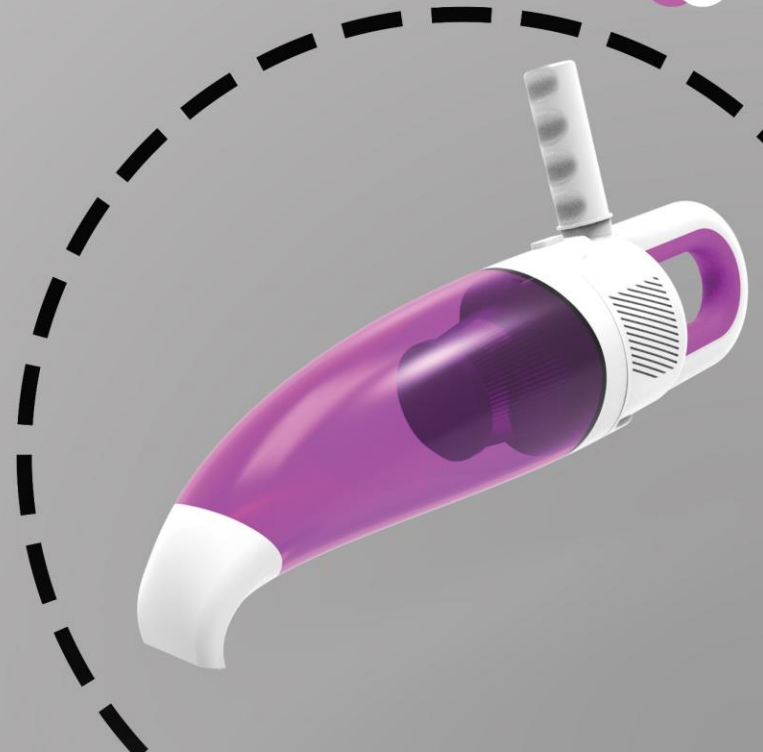


VEHICLE CLEANER

PORTABLE POWERFULL VACUUM CLEANER
DESIGNED TO FIT THE TIGHTEST SPACES IN YOUR CAR AND HOME
BATTERY POWERED VACUM CLEANER



AVAILABLE IN TWO COLORS



BT500

BLUETOOTH SPEAKER

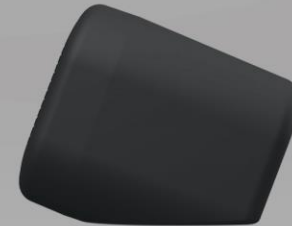
BT500
PORTABLE BLUETOOTH SPEAKER

BT500 WAS DESIGNED FOR BETTER MUSIC EXPERIENCE
GREAT POSITIONING HAS INFLUENCED EVERY SINGLE ASPECT OF THE PRODUCT

BLUETOOTH 3.0 WIRELESS STREAMING TECHNOLOGY
GOOD TO GO WITH MOST SMARTPHONES, LAPTOPS, AND OTHER BLUETOOTH ENABLED DEVICES

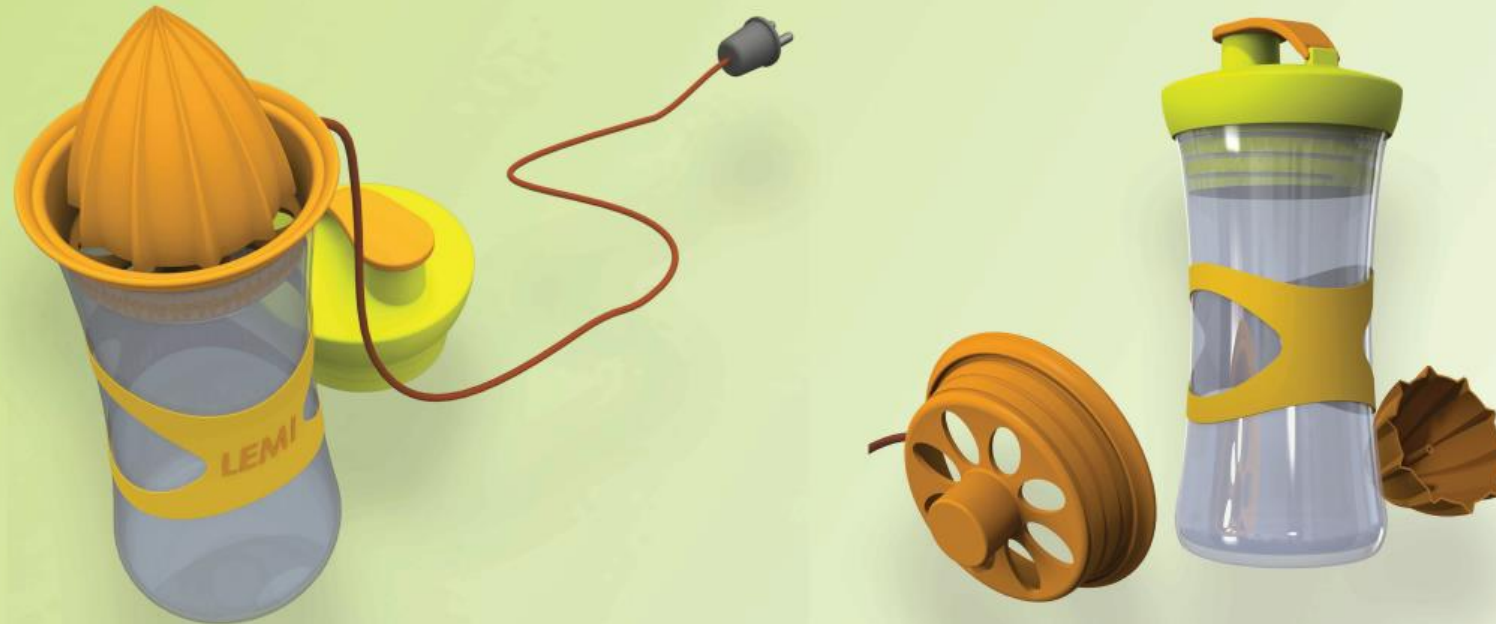
BUILD-IN MICROPHONE
THE BUILD-IN MICROPHONE ALLOWS YOU TO ANSWER CALLS WITHOUT SKIPPING A BEAT

RECHARGABLE BATTERY
FOR CONVENIENT PORTABILITY, AND EXTENDED FUN



Lemi

When time gets in the way of staying healthy



**The first electrical Juicer that you can take anywhere with you
With multi color drinking cap to match your style**

**Student: Ivana Angova
Course: Design with Plastics
Leader: Prof. Dr. Ile Mircheski
SchoolYear: 2019/2020**



**"St.Cyril and Methodius"University
Faculty of Mechanical Engineering
IndustrialDesign, Ergonomics and ApplicationsLab**

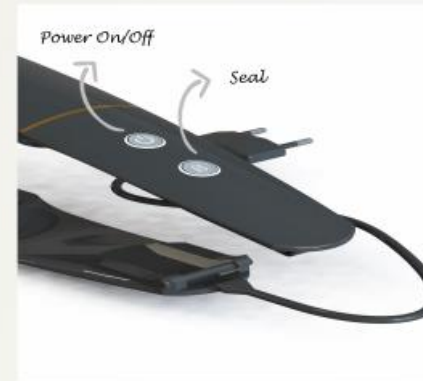


Vacuum Sealer

Fast and simple



This vacuum sealer is designed for fruits, nuts, whole cuts of raw steak, chicken and pork. Manual, easy and simple vacuuming. Try it.



O keyboard



Gaming keyboard for fun and comfort.

adjustable
armrests



smart keyboard with
wi-fi connection

rechargeable battery

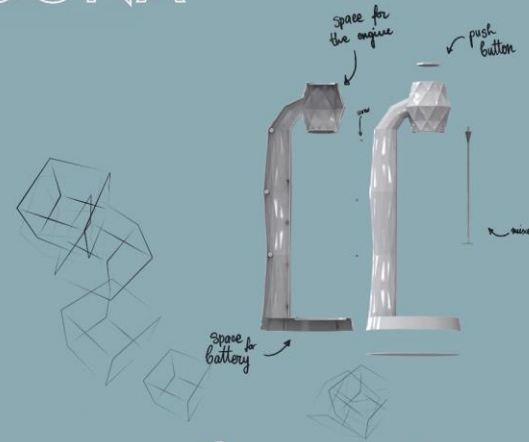
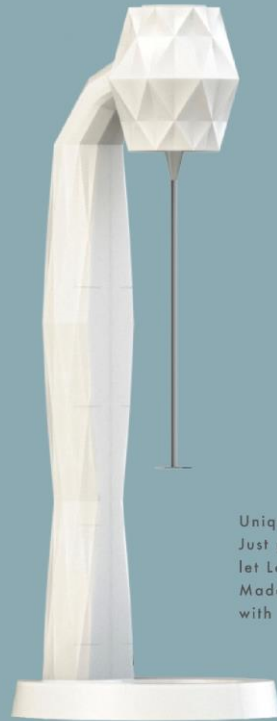
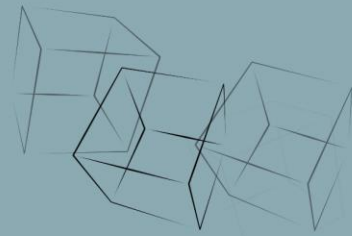
adjustable armrests

press



STATIC COFFEE MIXER

LOONA



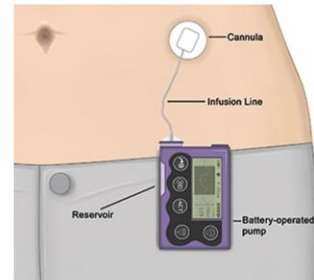
Unique, elegant design, easy to use.
Just push the button on the top and
let Loona do the rest.
Made from quality ABS plastic,
with the 3D printing process.



INSULIN PUMP

NEW VERSION OF INSULIN PUMP

- NEW DESIGN
- BETTER SYSTEM CONTROL
- WATERPROOF
- USE WITH OR WITHOUT CGM



WindFlow Cup

Self-stirring mug



Easy to use
Portable and easy fitting
Keeps your coffee warm with just one click
Reusable, Eco-friendly and Wireless

"Ss. Cyril and Methodius" University
Faculty of Mechanical Engineering
Industrial Design



Student: Milena Graorkovska
Course: Plastic Product Design
Leader: Prof. Dr. Ilie Mircheski
School Year: 2019/2020

MoonLight



Modern table lamp



A place for a book



A place for jewelery

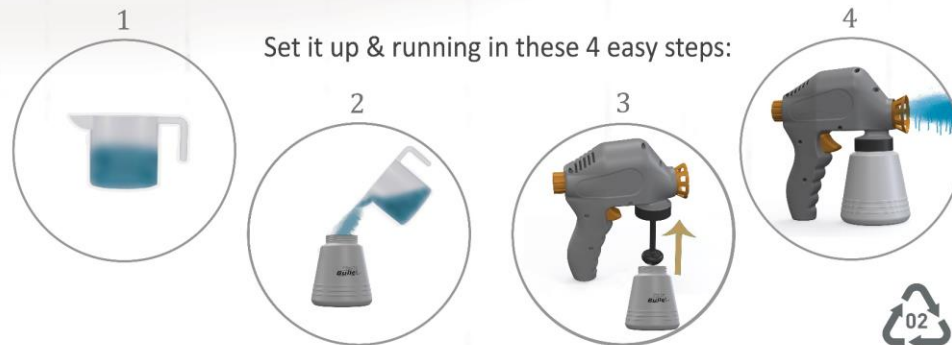
MoonLight lamp is special because it is modern, it is multifunctional, takes up little space, its easy to use.

PAINT BULLET

Paint the world around you.

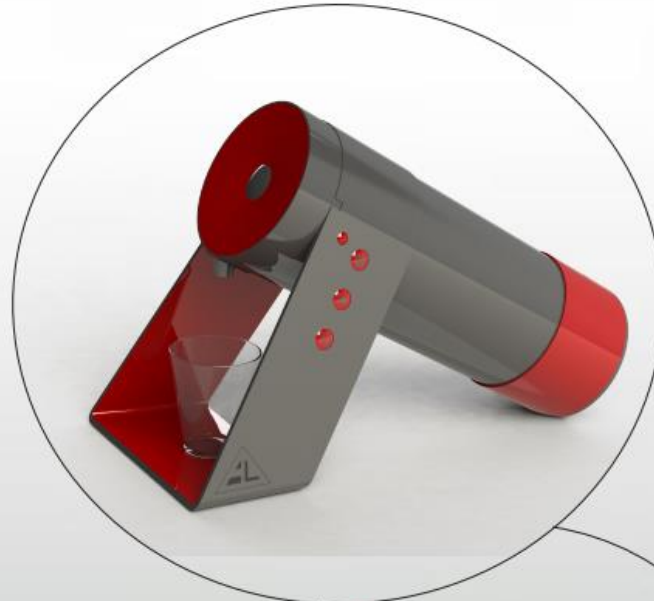


- * Made of quality and lightweight plastics
- * Battery powered: can last up to 6 hours
- * Paint container volume: 800 ml
- * Ergonomic handle
- * Button to adjust paint output
- * Can be used for large areas, corners and tight spots



Coffee Maker

it's time for coffee!



*Do you want coffee?
Now it's easy!
Just open the top cover,
put coffee and sugar and
press on the button.
For a few seconds you
have a cup of hot coffee.*

