millujeme dizajn

SERVICE

We are an independent design studio. We create, we produce.

Design development
CAD modelling
Engineering
Visualization
Model prototyping
Technical documentation

EXPERTISE

We are passionate about...

Audio devices Innovative products Furniture

TECHNOLOGY

Under our roof we offer...

CNC milling Laser cutting FDM 3D printing Vacuum casting



AUDIO

HUSQVARNA TURNTABLE

_HUSQVARNA SPEAKERS

_LOWRYO TURNTABLE

_LUCIO TURNTABLE

_ROLLS, DIVERSE, CUTS SPEAKERS SERIE

INNOVATIVE PRODUCTS

_CLICK LAMP SET

_ADRIENNE MAKE-UP MIRROR

_SCEPTRE CEREMONIAL MACE

FURNITURE

_INA CHAIR

10_KAMMERHOF VARIABLE CABINET

11_MOBILIARI WARDROBE & SHELVES SET



HUSQVARNA TURNTABLE

Author

Millhill design team

Sector

Audio

Design development

Analog and digital sketches
Selection of specific audio components
Definition of turntable architecture
Sketches of three different design proposals
Detailed CAD files with interior and exterior technical features











SPEAKERS

HUSQVARNA SPEAKERS

Author

Millhill design team

Sector

Audio

Design development

Analog and digital sketches
Selection of specific audio components
Definition of speakers architecture
Sketches of three different design proposals
Detailed CAD files with interior and exterior technical features

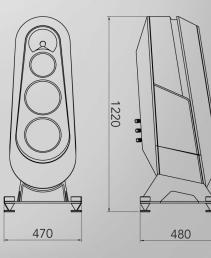






ARCHITECTURE

Speakers consists of four Morel drivers - two bass ones, midbass and tweeter on the top.





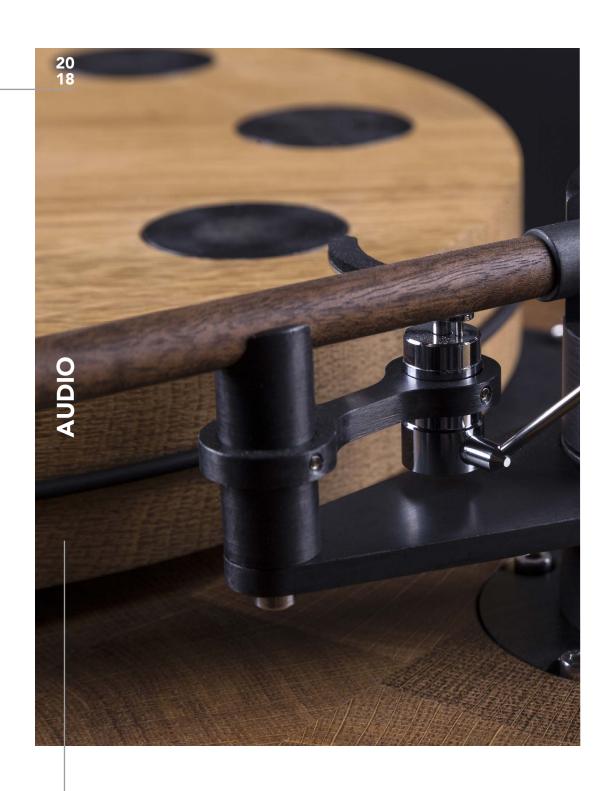
The body is made of HI-MACS, steel base improves stability and provides leveling settings.

AUDIO SET

Project was developed with Husqvarna's input in order to create a complement to brand's identity for promo events, to be displayed next to new generation of Husqvarna e-motorcycles in showrooms.







COURYO TURNTABLE

LOVRYO TURNTABLE

Author

Ernest Marko

Sector

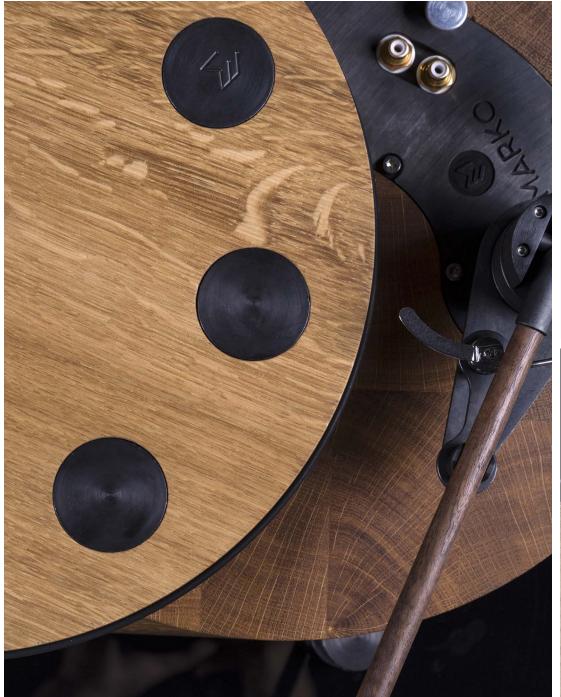
Audio

Design development

Analog and digital sketches
Designing audio components
Definition of turntable architecture
Development of software and specific printed circuit
Development of tonearm
CAD data of full turntable body

Rapid prototyping

Creating a prototype
Manufacturing final products



LOWRYO TURNTABLE

Turntable Lowryo is a high-end product built with sense of craftsmanship. It combines wood and metal components with belt-driven mechanism. Three spike feet with slip & vibration protection ensure the turntable's stability while also being adjustable.





m 11h 11 LUCIO

TURNTABLE



Author

Ernest Marko

Sector

Audio

Design development

Analog and digital sketches
Designing audio components
Definition of turntable architecture
Development of software and specific printed circuit
Development of tonearm
CAD data of full turntable body

Rapid prototyping

Creating a prototype Creating final product



Transculent HI-MACS is dominant in this model. It's combined with belt driven mechanism, metal segments, custom-made tonearm and three spike feet with anti-vibration and anti-slip pads to ensure horizontal stability and adjustment.







milhi

ROLLS, DIVERSE, CUTS SPEAKERS SERIE

ROLLS, DIVERSE, CUTS

Author

Ernest Marko

Sector

Audio

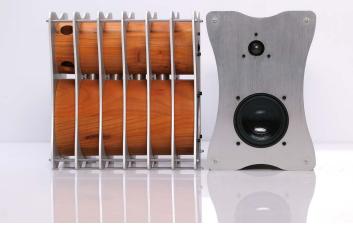
Design development

Analog and digital sketches
Designing audio components
Definition of speakers architecture
CAD data of full speakers body

Rapid prototyping

Creating functional prototype Creating final product

20 19 ARCHITECTURE Speakers Rolls, Diverse and Cuts use the same architecture as various material and construction solutions. Functional and aesthetic meets focused on different features in each model.







ROLLS

Design combines ground aluminium with cherry wood, cylindrical loudspeaker enclosure, two-way bass reflex and converters attached to the inner wall for quality long-term listening with soft rendition.

DIVERSE

Combination of carbon and HI-MACS focuses on high strength, achieved by thin carbon segments and construction made of MDF and American walnut wood. It provides broader, compact inner space, enabling deeper tones to be spread.

CUTS

A robust shape with an emphasis on wooden part made of American walnut and oak veneer creates sonically accurate speaker with premium spatial effects, sound location & musicality with soft rendition





SOUND

Each design has its own distinct sonic profile, generally characterizable as being non-aggressive, with accurate sound layout.





CLICK LAMP SET



Author

Ernest Marko

Sector

Product

Design development

Analog and digital sketches Definition of lamp architecture CAD data of the whole lamp set

Rapid prototyping

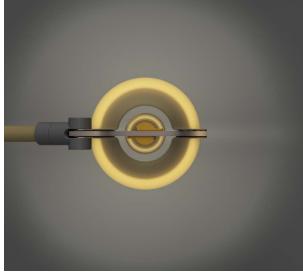
Creating functional prototype Creating final product

MAGNETIC SYSTEM

Custom principle of embedded magnets in light shields enable intuitive manipulation and easy exchange.













Various patterns of light shield segments are compatible with all lamp set models.







MAKE-UP MIRROR

ADRIENNE MAKE-UP MIRROR

Author

Millhill design team

Sector

Product

Design development

Analog and digital sketches Definition of mirror architecture CAD modeling

Rapid prototyping

3D Printing - Z-ULTRAT
Creating functional prototype









PROTOTYPE

Mirror has an embedded LED light. The whole aluminium section creates a touch switch, movable magnetic holder joint allows easy adjustment of phone position.



milhil

SCEPTRECEREMONIAL MACE



Author

Arpád Pál, Ernest Marko, Daniel Krištof

Sector

Product / Art

Design development

Analog and digital sketches Definition of mace architecture CAD modeling

Rapid prototyping

3D Printing - Z-ULTRAT Data for CNC milling



















CHAIR



Author

Miroslav Truben

Sector

Furniture

Design development

Analog sketches
CAD prototyping
Strength tests
Creating physical prototypes









KAMMERHOF

VARIABLE CABINET

Author

Marcel Mészáros, Ernest Marko

Sector

Furniture

Design development

CAD modeling Details solving

Rapid prototyping

CNC milling Assembling







MOBILIARI

WARDROBE & SHELVES SET

Author

Ernest Marko

Sector

Furniture

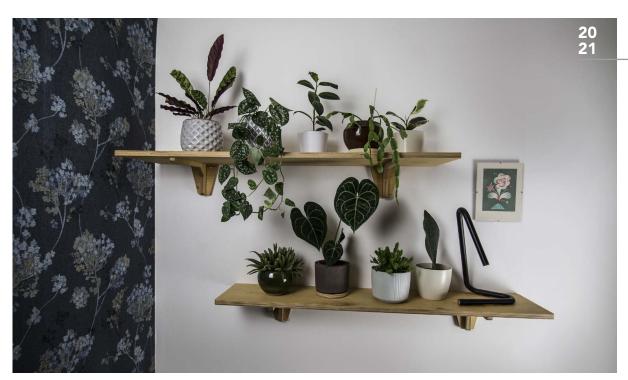
Design development

Analog and digital sketches Definition of architecture CAD modeling

Rapid prototyping

CNC milling & assembling









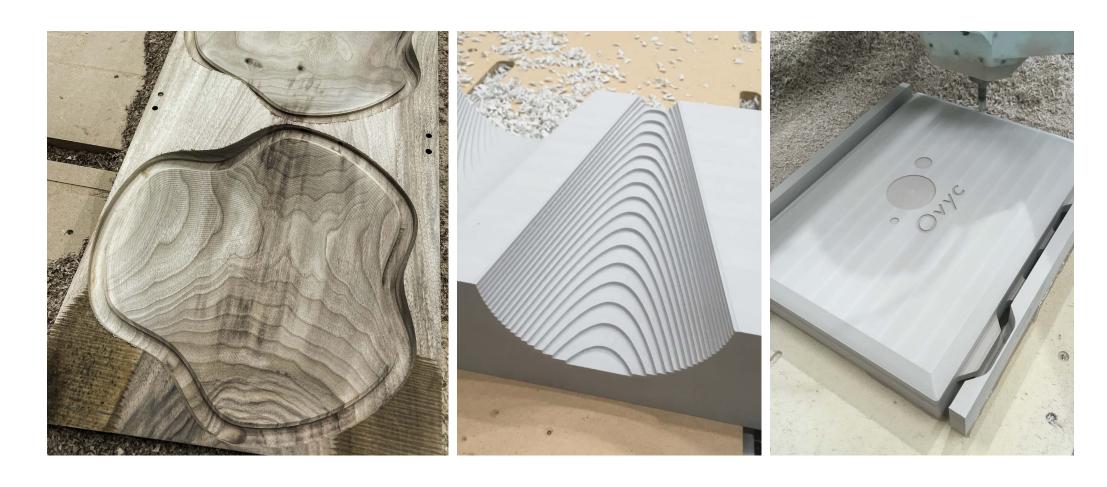
TECHNOLOGIES

01_CNC MILL

02_LASER CUT

03_3D PRINT



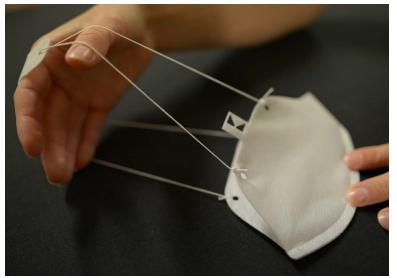


REALIZATIONS

Specification3-axis CNC technology with dimensions 3000 x 1500 x 400 mm (with 4th rotary axis)

Materials

Wood, plywood, MDF, tooling board etc. Plastic, synthetic stone, other non-metallic substances etc. Composite materials as laminate, carbon, kevlar etc.









REALIZATIONS

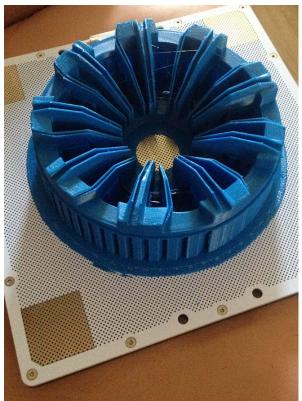
Specification150W CO2 laser with dimensions 1300 x 900 x 250 mm and additional rotary asis

Materials

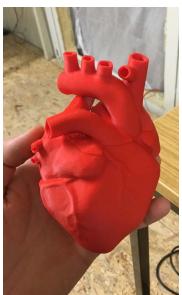
Wood, metal, glass, textile, stone, plastic, rubber, leather, foam, cardboard etc.



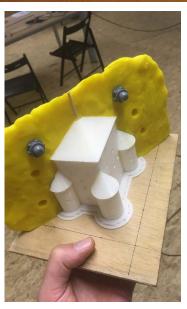












REALIZATIONS

Specification

FDM Printer Zortrax M200 210 x 210 x 180 mm

Materials

Authorized materials from Zortrax (Z-ULTRAT, Z-HIPS, Z-PCABS, Z-ABS, Z-PETG etc.)

mıllhıll

CONTACT

info@millhill.sk www.millhill.sk