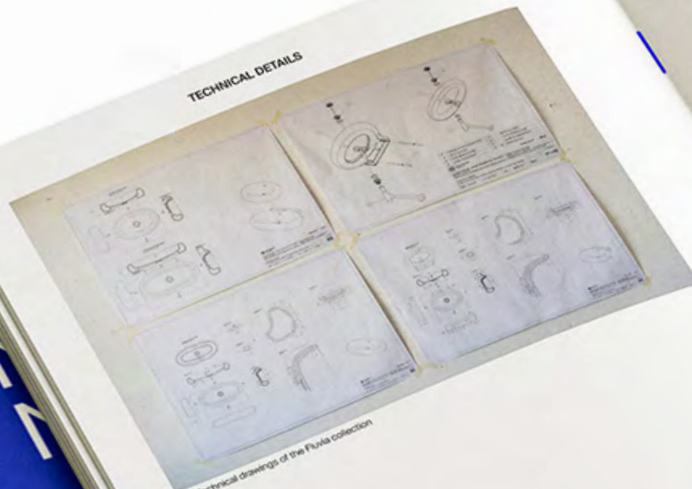






TECHNICAL DETAILS



Technical drawings of the Fluka collection

Portfolio

The design process unfolds on a dual register: technical-engineering definition of products and the structuring of visual communication details and study of construction details and execution drawings, we move to editorial translation, culminating in the drafting of the official catalog. A work of visual and conceptual synthesis aimed at restoring the formal and material identity of the entire collection for the contract and residential market.

80



Fluka Collection Catalogue

COMMUNICATION

From technical detail to artistic direction: product engineering and catalog drafting.

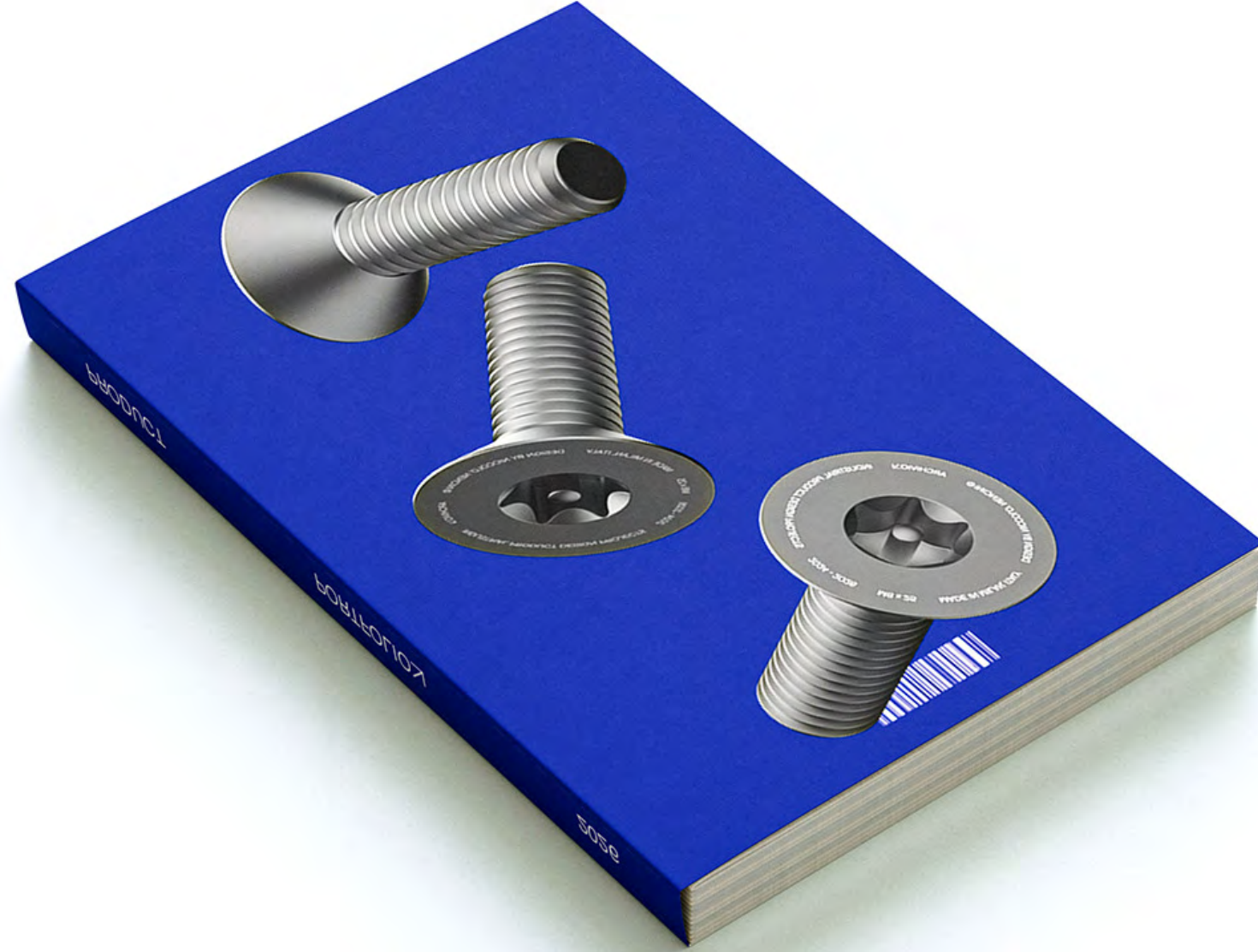


Fluka



alice

81



PORTFOLION



DESIGN BY NICCOLÒ NENCINI ©
INDUSTRIAL PRODUCT DESIGN PROJECTS
MADE IN MILAN, ITALY

PRODUCT

PORTFOLION

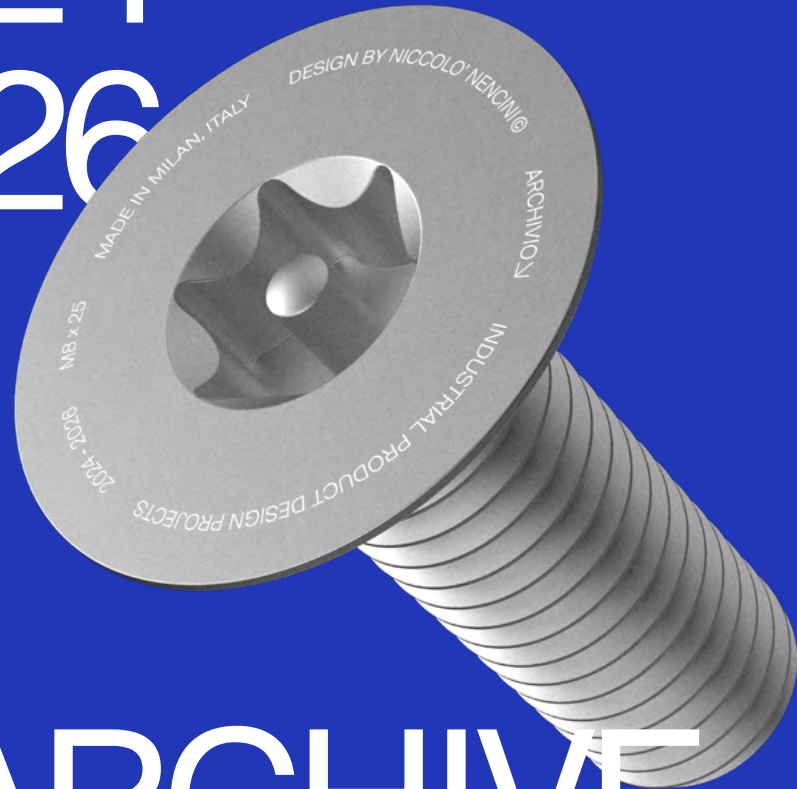
2026



DESIGN BY
NICCOLO'
NENCINI ©

2024
2026

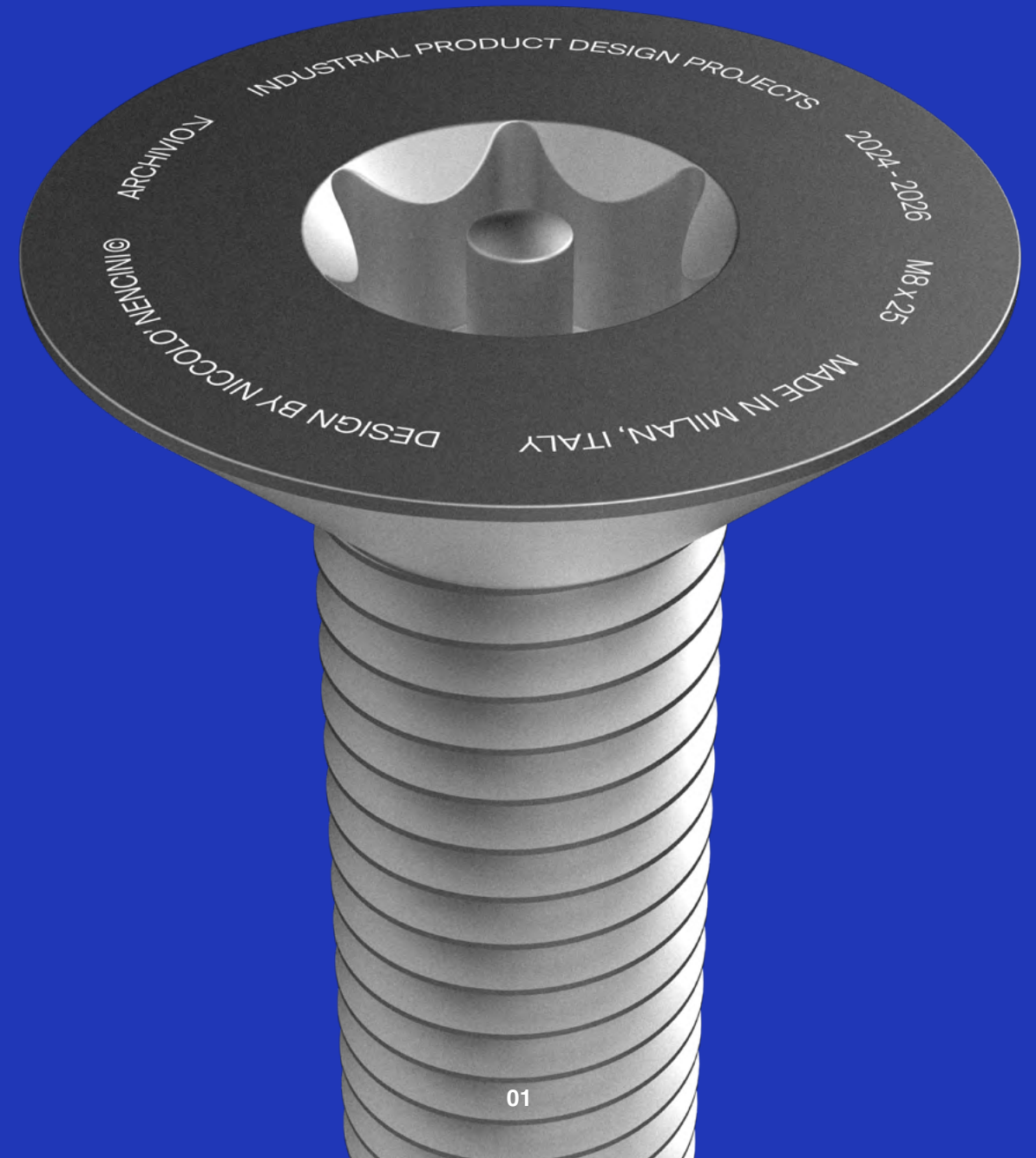
↙ ARCHIVE



2026

9 SELECTED PROJECTS

PRODUCT





WELCOME

(EN) My name is Niccolò and I think I've always been a designer.

Since I was a child, I felt the need to create, modify, and transform what I had in my hands. I have always had the need to understand how things work, to interpret their aesthetic choices and to imagine other forms of them, observing them from a personal perspective. I was fortunate to grow up in Milan, in a creative and stimulating environment, surrounded by iconic objects and places for design and the visual arts, thanks also to the work of my parents, a landscape designer and a photographer.

Growing up, my awareness and desire to pursue my passion led me to undertake a one-year course in Interior and Product Design at the Nuova Accademia delle Belle Arti di Milano, before continuing my university studies at the Faculty of Industrial Product Design at the Polytechnic University of Milan, accompanying them with an internship at Studio Enrico Cesana. Thanks to these experiences, I met people, professors, and professionals who taught me a lot, significantly contributing to the growth of my design and human skills.

I learned that those who choose this profession must cultivate curiosity, without being afraid to ask questions; but above all, I understood that, in order to learn this job, it is necessary 'to do'.

'To do' means to constantly experiment, make mistakes, and discover new things. Every project, every attempt, and every mistake represents a step forward in gaining awareness of the meaning of design.

I believe that design is not only the ability to imagine objects, but above all that of giving shape to ideas, transforming intuitions into real experiences, at the service of common utility.

Niccolò Nencini

PORTFOLIO

Epistop Kit

Medical device - University Project



08-21



01
↘

Maya & Inemuri

Furniture Products - University Project



22-45



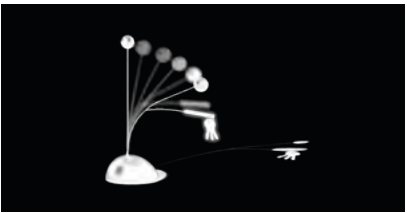
02
↘

Ambrogio

Valet Tray - Fondazione Castiglioni
Competition



46-53



03
↘

Fluvia

Bathroom Collection - Alice Ceramica



54-81



04
↘

Ryu

Garment Steamer - Panasonic Workshop



82-93



05
↘

PROJECTS

Delta

Product - Valet Stand



94-101



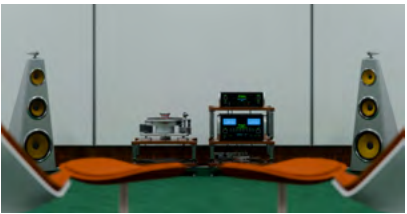
06
↘

Series 901

Audio - Hi-Fi Loudspeakers



102-119



07
↘

Watt-b

Product - E-bike Charger



120-127



08
↘

Set Design

Landscape Festival - Vecchia Square
Bergamo



128-135



09
↘

EPISTOP KIT

01
↙



EpiStop Kit concept

ARCH01 - PRJ - 01

Epistaxis is a widespread and inconvenient problem to manage.

(EN) The brief required the design of a medical device to treat a minor ailment. The research conducted guided the choice towards epistaxis, an issue with high clinical incidence, yet lacking concrete solutions on the market. This design gap presented an extremely stimulating challenge in an unexplored sector.

Project:	University
Category:	Medical Device
Brand:	Simulation with Pic Solutions
Duration:	4 Months
Year:	2024
Software:	Adobe Suite, Alias, Autocad, Keyshot

(EN) In everyday life, this condition is almost always dealt with using improvised, ineffective, and unhygienic remedies. Research revealed that clinically, the problem presents as bleeding from the nasal mucosa, primarily caused by environmental dryness or the insertion of foreign objects into the nose.

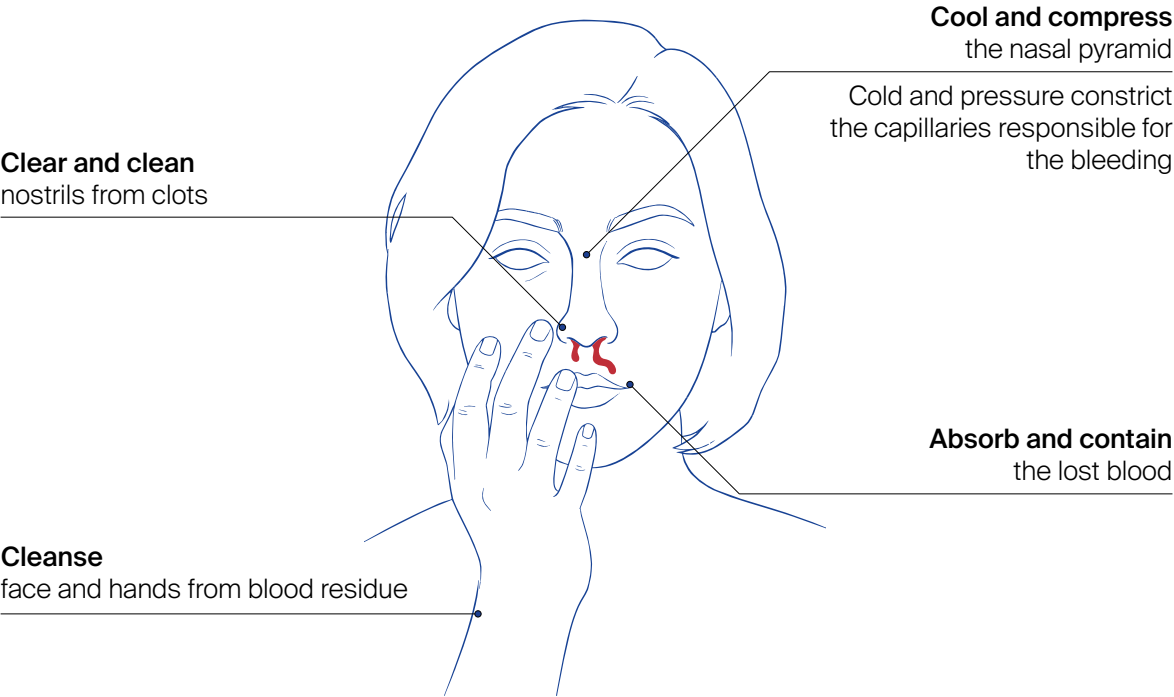
It is unpredictable and, to be stopped correctly, requires time and a multi step intervention: clearing and cleaning the nostrils of clots, absorbing and containing the lost blood, simultaneously applying cold and pressure to constrict the capillaries, and cleansing the face and hands.

Design a single-use, pocket sized product to easily and independently manage nosebleeds.

Nosebleed episode



Visual mapping of actions



A hands-free device capable of cooling and compressing the nasal pyramid.

(EN) The conventional approach to epistaxis requires two simultaneous and uncomfortable actions: constantly compressing the nostrils and applying a cold source, which ties up the user for several minutes. Fast Ice Compact integrates mechanical and thermal actions into a single micro-device, freeing the user from continuous manual intervention. The innovation lies in its heat-sealed multilayer structure: internally, it combines an instantaneous endothermic chemical reaction with an anatomical clip of calibrated elasticity. The dimensions of the patch ensure the correct amount of reagents as well as maximum adaptability to any nose shape.

PORTFOLIO

FastIce*compact*

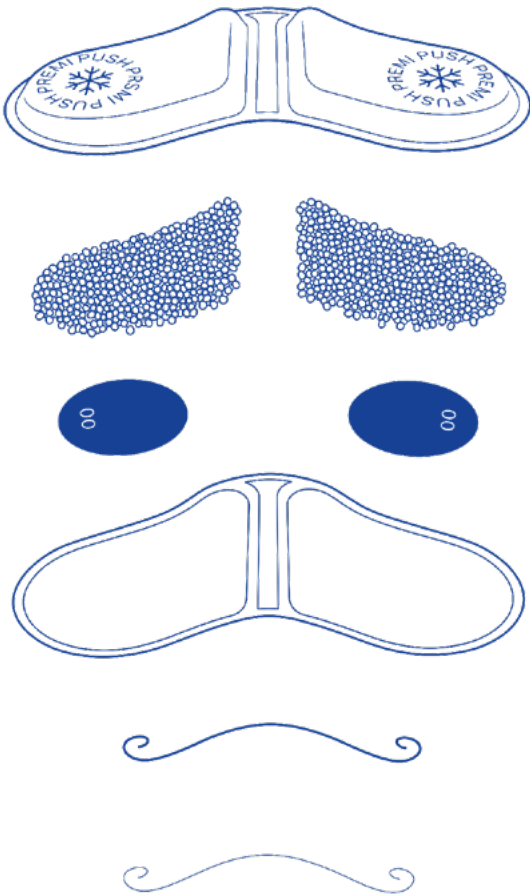


EPISTOP KIT

Patch

Render created in Keyshot

Exploded view



HDPE - High-density polyethylene
Standard for instant ice packs, in this case without a coating to allow for the lowest possible thermal insulation.

Ammonium nitrate salts (NH₄NO₃) and Water
Combines with water in an endothermic reaction that brings them to freezing temperature, 0°C.

LDPE - Low-density polyethylene
Resistant film containing water, it breaks only intentionally when needed.

HDPE - High-density polyethylene
Heat-sealed to the upper flap, it contains the chemical solution and provides structure.

Silicone
Coats the aluminum wire to make it more comfortable in contact with the skin.

Work-hardened aluminum
Has elastic behavior, acting like a clip once placed on the nose.

Dimensions: 95 x 50 x 5 mm

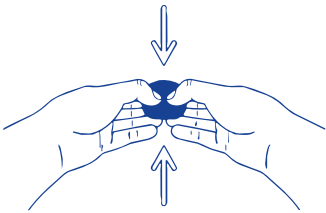
Properties: The patch cools the nasal pyramid and keeps the capillaries compressed

Folded patch

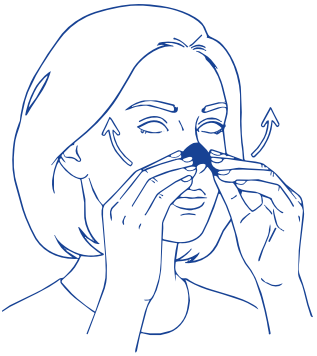


(EN) It is sold in a single, folded format; the user unfolds it at the moment of use.

Task analysis



Activate
Press on the indicator to activate cooling.



Apply
Widen the nasal compression wire.



Cool
Keep in place for up to 30 minutes.

(EN) The application of Fast Ice Compact is intuitive and aligns with the instinctive gestures of someone experiencing a nosebleed. Thanks to the work-hardened aluminum core, the device adapts ergonomically to the anatomy of the nasal pyramid, ensuring constant and calibrated compression on the capillaries. Once positioned, the patch works autonomously. This allows the user to relax and reduces the anxiety associated with the bleeding.

Photo of Fast Ice Compact applied, generated with Vizcom



Photo of the Kit components

(EN) Once the main component was defined, the project integrated the complementary elements essential to cover every phase of the intervention. The kit includes: a cellulose tissue for removing clots, two hemostatic swabs made of natural calcium alginate fiber to stop bleeding without irritating the mucous membranes, the cooling patch for vasoconstriction, and a chlorhexidine-soaked wipe for final hygiene.

Packaging as a self-explanatory interface for emergency management.

(EN) Subsequently, the focus shifted to the graphic design of the packaging, with the idea of eliminating the need for complex instruction leaflets. The use of a progressive numbered sequence and concise, intuitive step-by-step illustrations transform the package into a self-explanatory interface. This visual architecture draws attention to the relevant elements at the moment of need, ensuring a rapid decoding of the task analysis and intuitive use of the components, even under conditions of high emotional stress.

PORTFOLIO

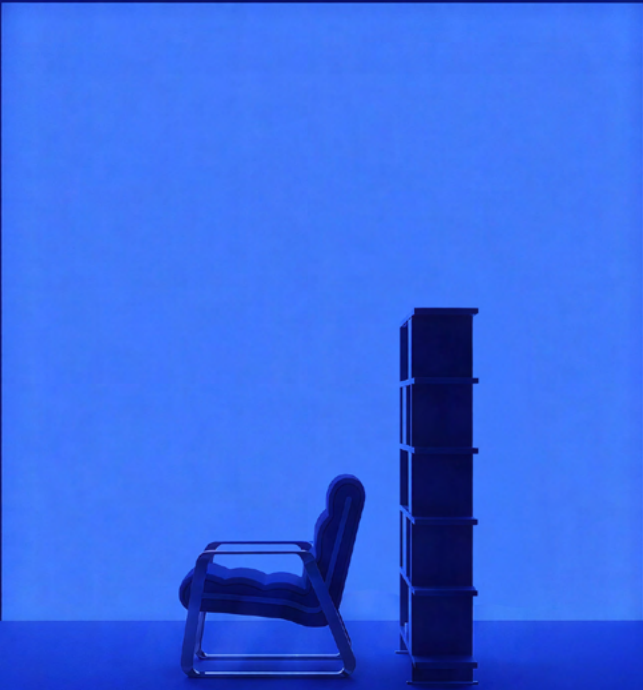


EPISTOP KIT

Instructions on the back

Mockup created in Photoshop





Design a freestanding bookcase
and an armchair that follow the
company’s style and tradition.

(EN) The brief required the development of a bookcase and a seating system consistent with the visual identity of a chosen furniture brand. Selecting Desalto as a case study directed the research towards an aesthetic of pure minimalism, designed for the contract and residential sectors.

Project:	University
Category:	Furniture
Brand:	Simulation with Desalto
Duration:	6 Months
Year:	2025
Software:	Adobe Suite, Solidworks, Autocad, Keyshot



Photos extracted from the Workbook vol.2 catalogue (2026)

(EN) Desalto is an Italian furniture company based in Brianza, founded in 1990. It combines advanced technology and traditional craftsmanship, boasting great expertise in metalworking. The company operates extensively in the contract sector, providing custom solutions for offices, public spaces, and large-scale projects, as well as in the residential sector.

Compared to competitors operating along the same minimalist lines, the company is characterized by a unique production strategy. While other brands tend to work with vast collections to saturate the market, Desalto presents a more essential product catalog, focusing on a few items per category, yet simple and highly functional.

Integrate the formal and material essentiality of Japanese tradition into the rigorous industrial language of Desalto.

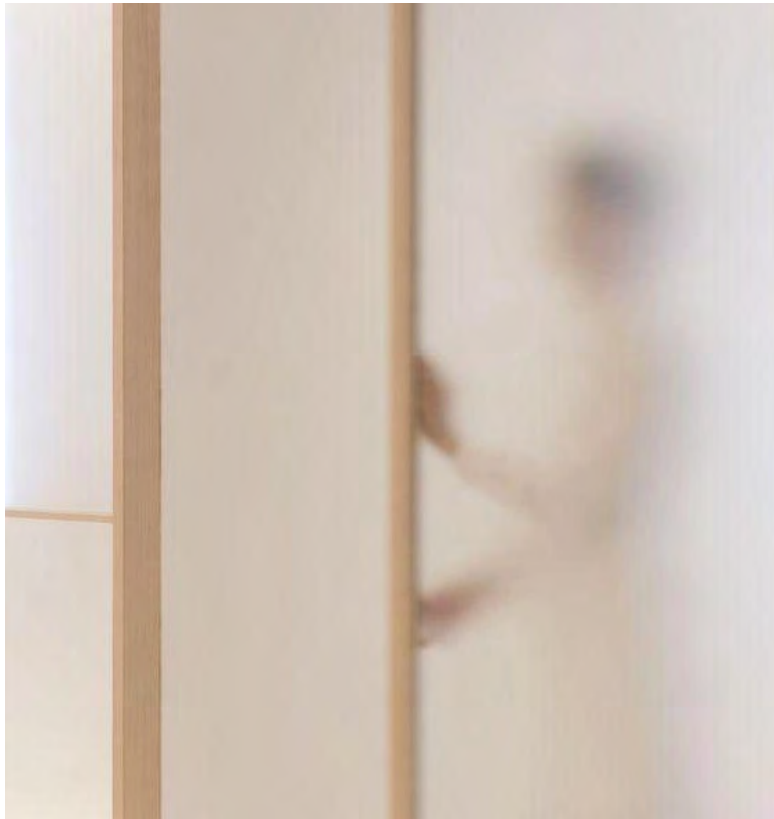
Zinco, Desalto Bookcase (2025)



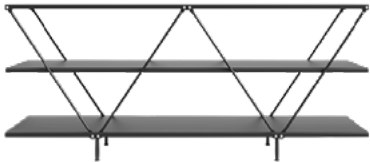
CONCEPT

(EN) The Maya bookcase is inspired by traditional Japanese doors. Made of wood and rice paper, in Japanese culture these entrances allow spaces to be separated while letting light pass through. The same effect is simulated by Maya, composed of glass dividers that create interplays of light and transparency.

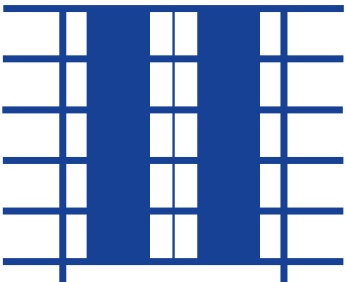
↘ Inspiration photos



CATALOGUE



MAYA

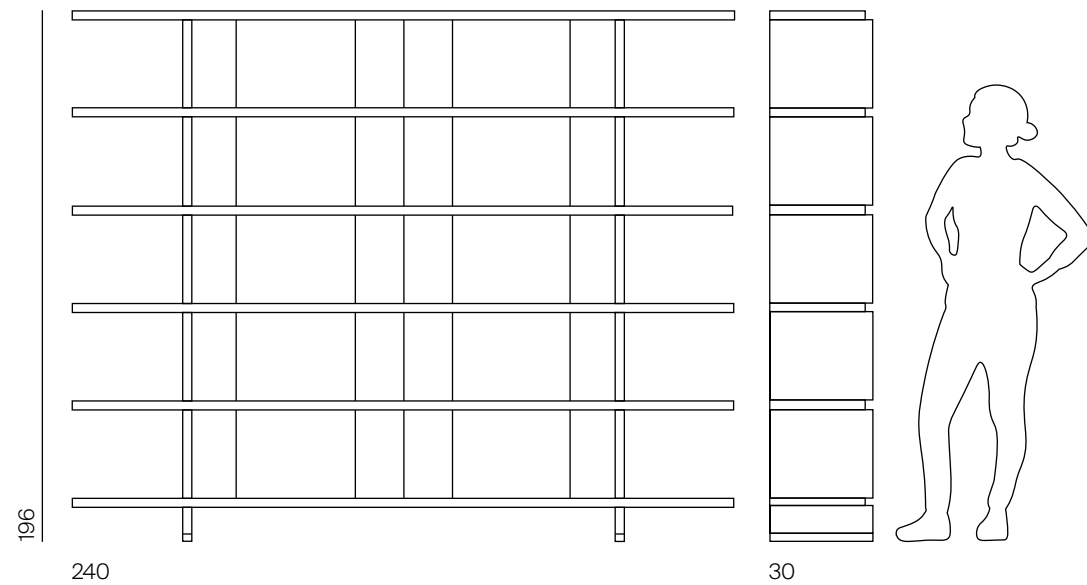


Maya within the current Desalto systems catalogue ↗

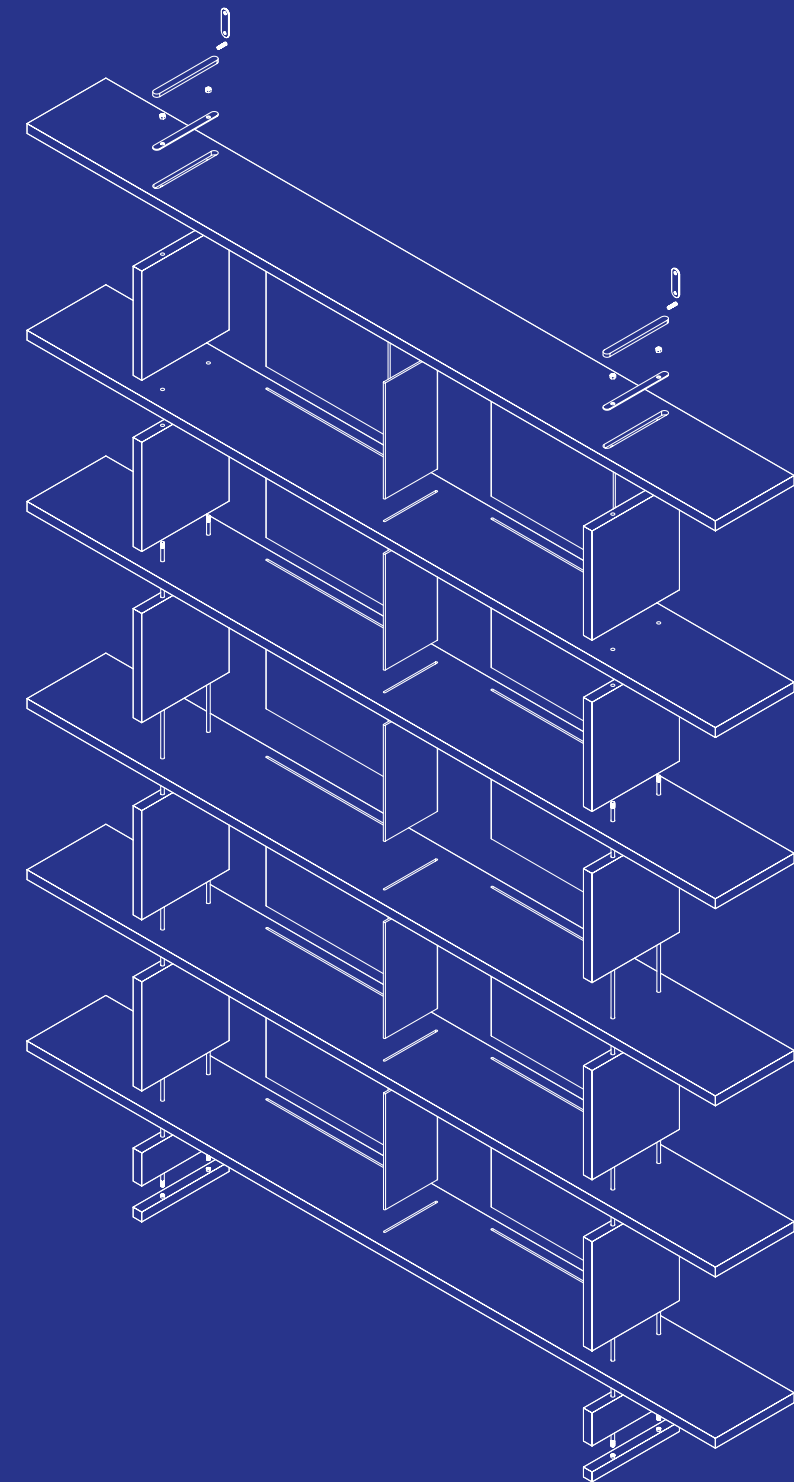
DIMENSIONS

(EN) The assembly of the bookcase starts from the steel feet, into which the vertical metal tie-rods are screwed. These elements act as structural support and assembly guides, allowing the sequential insertion of the shelves and the veneered plywood uprights. The opaque glass dividers fit directly into the milled slots provided.

Once the configuration is complete, the vertical tie-rods are tensioned from above using bolts and load distribution plates, in order to ensure an even distribution of the structural loads. Everything is concealed by a metal insert which, together with the bookcase feet, maintains the formal synthesis typical of Desalto. Stability and anti-tip regulations are ensured by wall fastening.



TECHNICAL DETAILS



VISUALIZATION



Render created in Keyshot

Wood and Glass

MATERIALS

Detail rendered in Keyshot

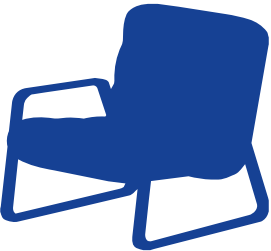


(EN) System made of veneered and painted plywood. Frosted glass dividers inserted into specific milled slots in the shelves. Steel feet and inserts.



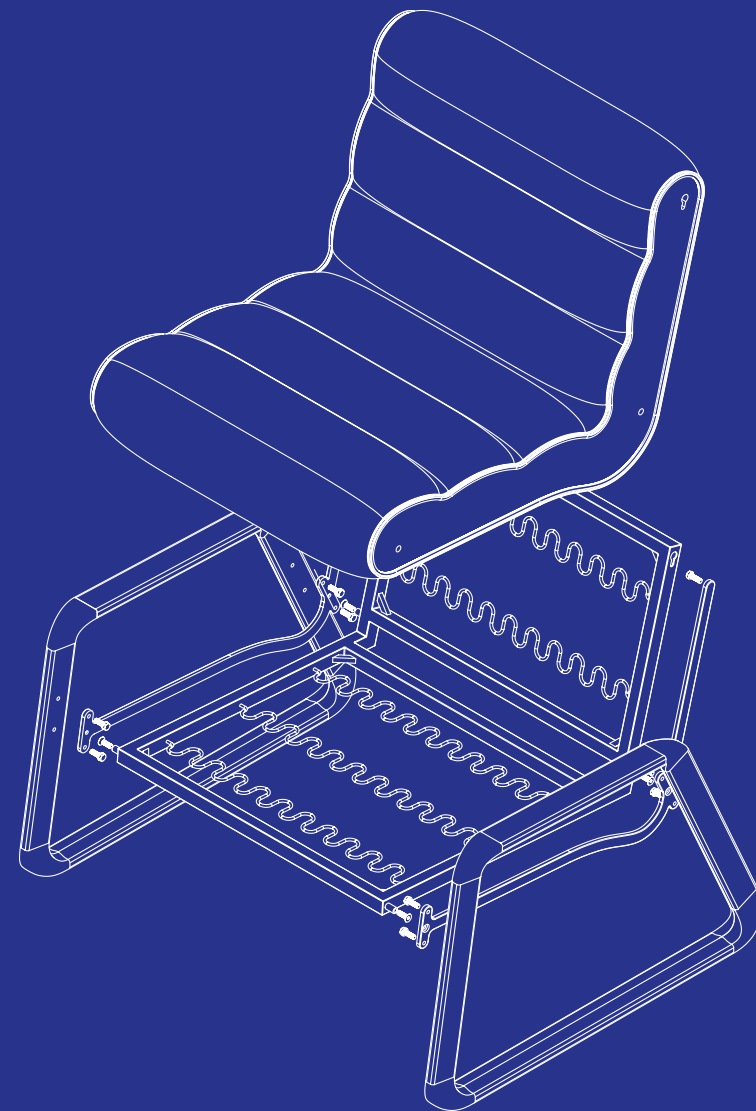
(EN) The Inemuri armchair stems from the idea of making the seat as soft and comfortable as the traditional Japanese futon. The mattress has been simplified in its forms to accommodate structural requirements, acquiring greater density and definition. The padding rests on a metal structure with organic shapes that elevates it from the ground.

↘ Inspiration photos



Inemuri within the current Desalto systems catalogue ↗

TECHNICAL DETAILS



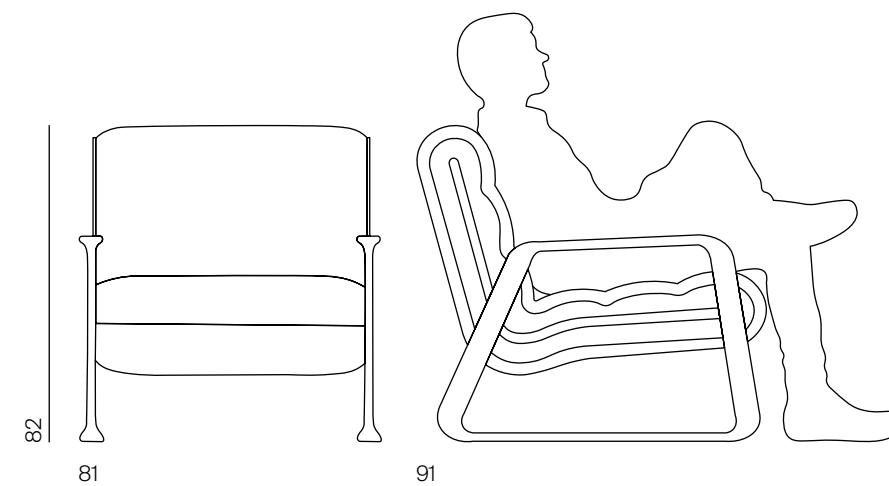
7 Inemuri armchair exploded view

Assembly

DIMENSIONS

(EN) The armchair is assembled by joining the polyurethane foam padded shell and the aluminum side structure. Underneath, a concealed fastening system binds the padding to the metal profile, which is in turn fixed to the leg. Hidden joints connect the upper sections, ensuring visual cleanliness.

The die-cast aluminum legs, whose section widens to act as an armrest, are anchored to the profile using specific threaded blind holes. Finally, the metal profile slots into the padding, ensuring that all screws and joints remain hidden.



MATERIALS

Detail rendered in Keyshot ↘



(EN) The supporting structure is made of die-cast aluminum. The padding is made of differentiated-density polyurethane foam with an internal steel structure. The whole piece can be upholstered in fabric or leather.

VISUALIZZAZIONE



Fabric and Steel

Render created in Keyshot ↗



COLLECTION



COMMUNICATION



Work done on the communication of the collection

(EN) Once the product was defined in its aesthetic and technical details, attention shifted to the artistic direction. The communication project includes web mockups, social media assets, and a catalog created specifically for the collection.

Catalogue



Website mockup

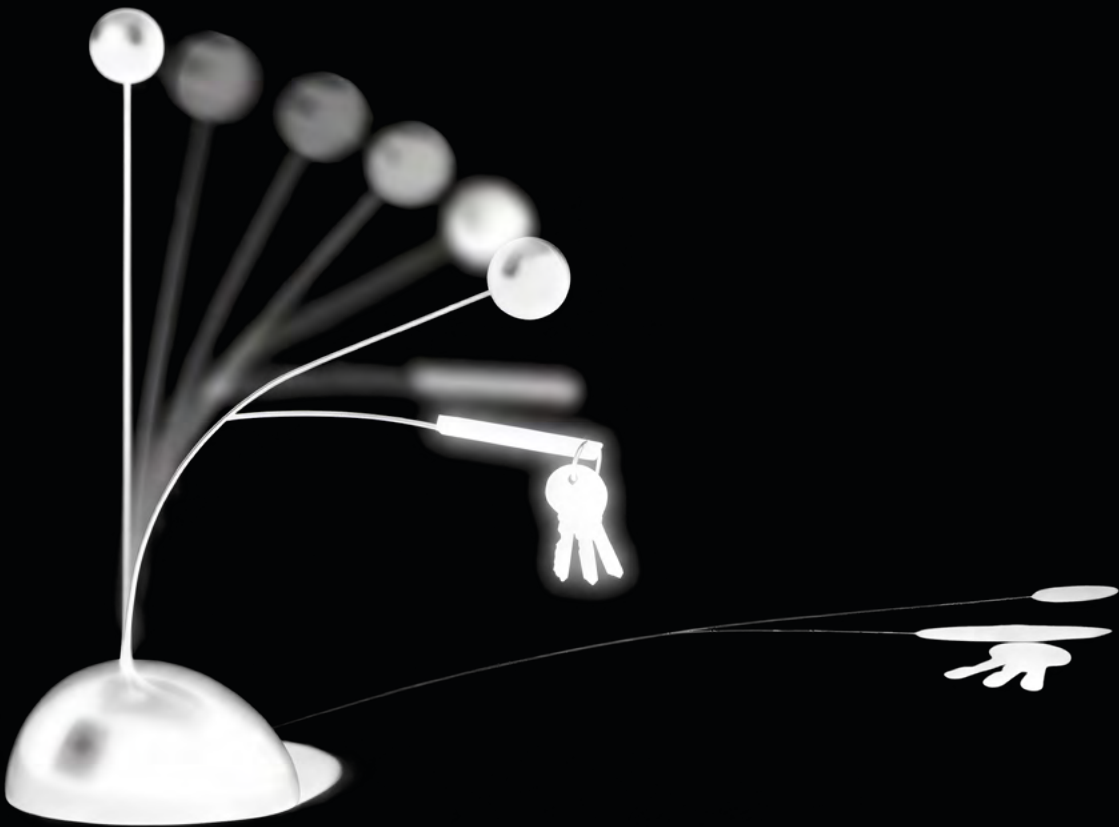




AMBROGIO

03
↙

PORTFOLIO



↗ Ambrogio visual concept

ARCH01-PRJ-03

Design a gadget-product that distinctively represents the spirit of Milanese hospitality.

(EN) The brief required the conception of an emblematic product capable of telling and enhancing the identity of Milanese hospitality, drawing inspiration from the philosophy and values promoted by Achille Castiglioni. The ultimate goal is to solve real space problems and create an object that can, first of all, “keep company” with the guest.

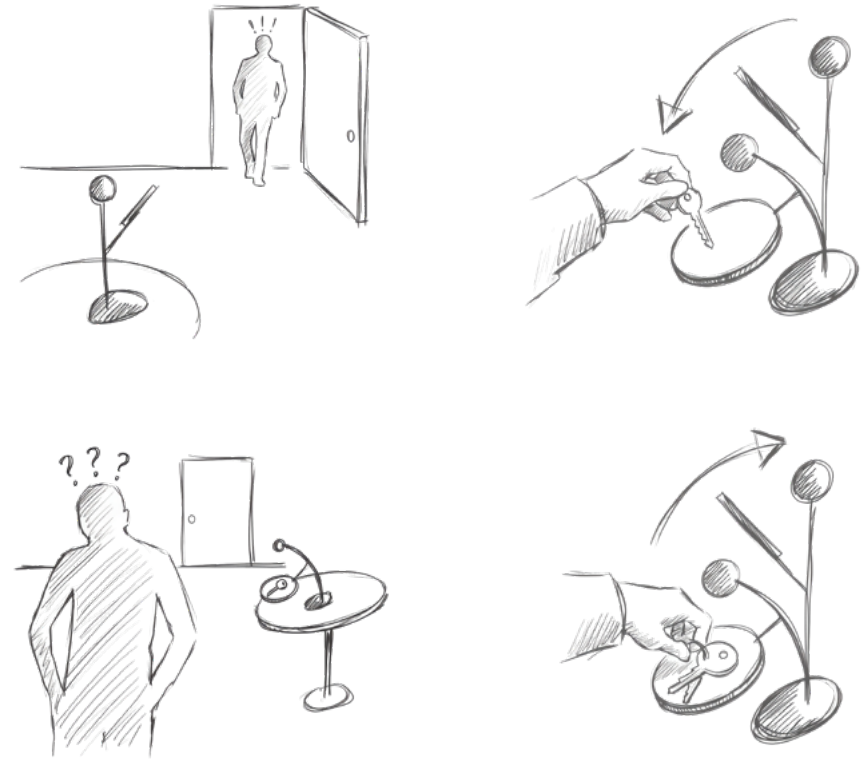
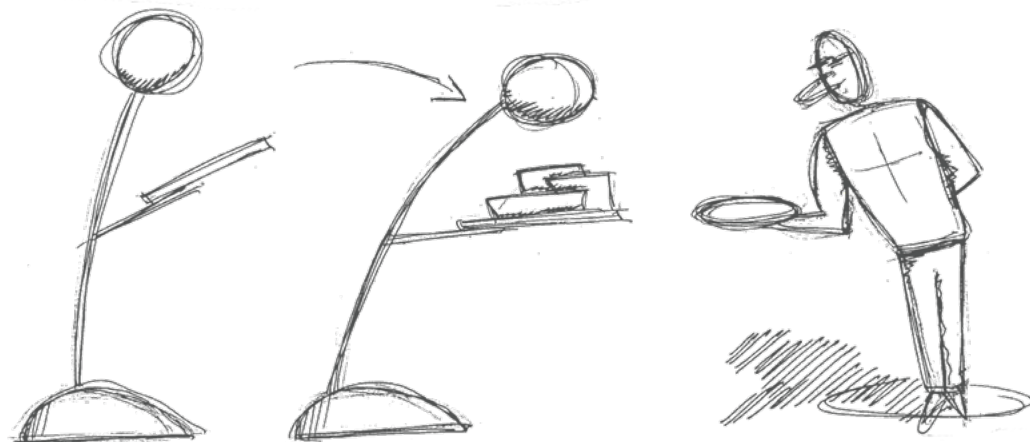
AMBROGIO

Project:	University Competition
Category:	Product
Brand:	Fondazione Achille Castiglioni x OspitaMi
Duration:	1 Month
Year:	2026
Software:	Adobe Suite, Solidworks, BambuStudio

The project stems from analyzing the gestures of hospitality in the domestic space.

(EN) To translate the concept of hospitality into a physical product, the research focused on human gestures. Among the most recognizable gestures tied to this imagery, that of the butler presenting a tray, accompanied by a slight bow, emerged.

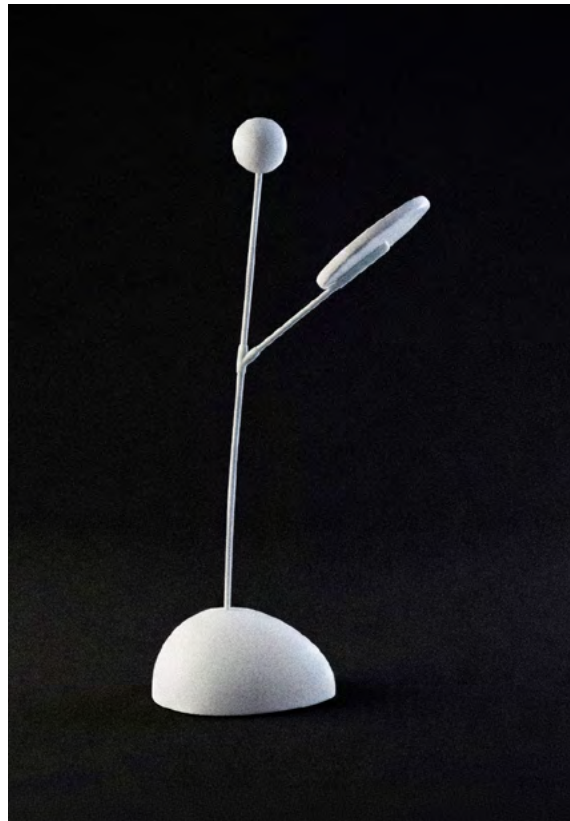
↘ Inspiration sketches



↗ Sketches illustrating the product storyboard

(EN) Upon first entering an unfamiliar home, guests often find themselves disoriented, searching for a secure resting point for their personal belongings. Ambrogio's design steps in precisely at this moment of bewilderment: the anthropomorphic aesthetics and the inclination of the tray instinctively suggest its function, inviting the user to entrust it with their keys through a reassuring gesture.

DEVELOPMENT



Studio product photographs

(EN) Ambrogio is a valet tray that celebrates Milanese identity with irony and discretion. Inspired by the saying “fa balà l’oeucc”, which in dialect means “keep your eyes open, stay alert”, it materializes into an anthropomorphic product, a silent butler who welcomes those who enter the house with a slight bow and carefully guards everyday objects.



DETAILS

(EN) It catches the eye and recalls to memory what has been placed on it, transforming attention into a simple and useful gesture of hospitality. A project that combines function and narrative, between hospitality, Milanese spirit, and a touch of elegant domestic humor.

Detail of the key interlocking





Project presentation, Adi Museum

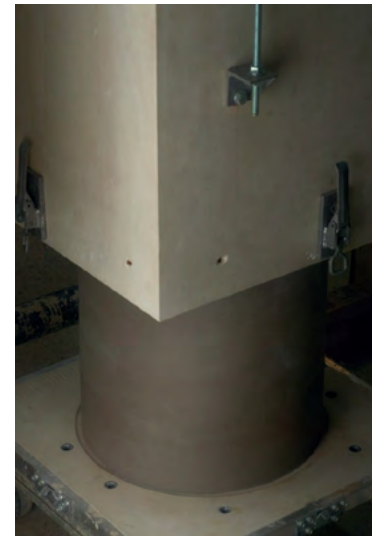
^(EN) The project ranked 3rd in the “Achille Castiglioni Design & Hospitality Award” and was presented and awarded at the prestigious Adi Museum in Milan. Ambrogio’s playful simplicity was recognized, generating a measured and reserved hospitality dynamic, typically Milanese, far from decorative excesses and built instead on small gestures and essential functions.



Design a bathroom collection, respecting the aesthetics and tradition of Alice Ceramica.

(EN) The brief required expanding the brand's offering through a new line of wall-hung sanitary fixtures, washbasins, and accessories. The design challenge was to explore unprecedented configurations for the bathroom space, combining formal innovation with the aesthetic dna, craft soul, and complex manufacturing constraints of ceramics.

Project:	Bachelor Thesis
Category:	Bathroom furniture
Brand:	Alice Ceramica
Duration:	6 Months
Year:	2026
Software:	Adobe Suite, Solidworks, Autocad, Blender



Processing phases, excerpts from the Designbook 2026 catalogue

(EN) Alice Ceramica is a leading company in the production of high-quality washbasins and sanitary fixtures with a strong focus on contemporary design. Located in the heart of the renowned Civita Castellana ceramic district, the company combines the deep local artisanal tradition with new technologies, creating products that meet the complex demands of the modern market and the bathroom furniture sector.

The production process is divided into nine phases, from casting to final finish, ensuring a daily output of about 800 pieces. The company relies on both the use of automated robots and the assistance of expert artisans. The use of advanced technologies such as the Aliglaze and Aliflush patents makes it possible to offer highly resistant and functional products, characterized by an exclusive design.

Translate organic fluidity into the rigid industrial ceramic manufacturing process.

Production line, Alice Ceramica plant



CONCEPT

(EN) The Fluvia collection is inspired by the fluidity and archetypal charm of river pebbles. This proposal celebrates natural elegance through polished forms and refined details. Dedicated to high-end bathroom environments, it stands out for the perfect balance between aesthetics and material harmony, offering elements that blend harmoniously with the surrounding context and the user.

Visual Concept, generated with Vizcom ↘

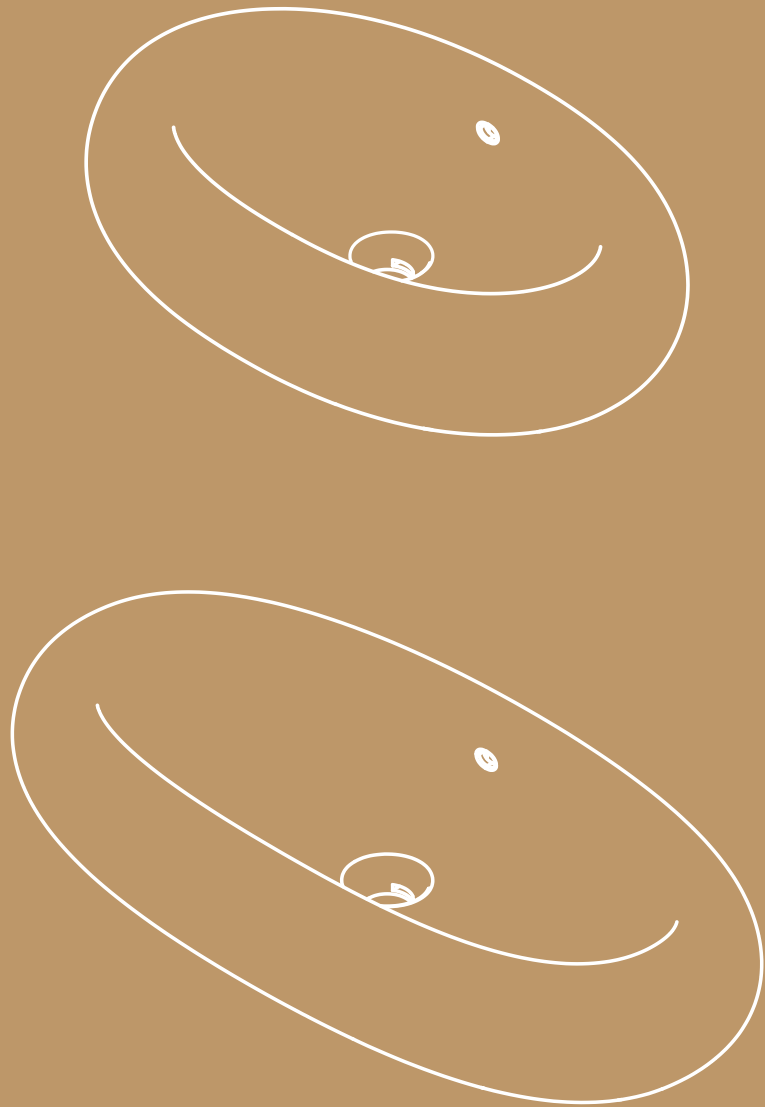
↘ Inspiration image, generated with Mixboard



COLLECTION



COUNTERTOP



Vector isometric views

60x40, 80x40

DIMENSIONS

(EN) Countertop washbasins define the formal archetype of the entire collection, drawing inspiration from the fluidity and smoothness of river pebbles. The project explores the purity of organic volumes, translating the softness of natural geometries into a high-end ceramic product designed for exclusive bathroom environments.

From an engineering perspective, the system is designed for countertop installation. The configuration features an overflow with an integrated channel and requires wall-mounted faucets. The remaining components use standard off-the-shelf catalog parts, ensuring full technical and production continuity.

Countertop washbasin 60x40



Width	600
Depth	400
Height	135 mm

Countertop washbasin 80x40



Width	800
Depth	400
Height	135 mm

WASHBASINS

(EN) Developed in the compact 60x40 format, the countertop washbasin constitutes the generative core of the entire collection. The project explores the purity of organic volumes, translating the softness and smoothness of river pebbles into a ceramic artifact that defines space with a fluid and measured aesthetic and materiality.

Render created in Blender



alice



FLUVIA

Matte Laguna

Countertop washbasin 60x40

(EN) The dimensional evolution in the 80x40 format expands the series' formal grammar. Taking advantage of the basin's greater width, the project amplifies the perception of surface continuity and water reflections, offering a strong sculptural element with a powerful presence for spacious bathroom environments.



Countertop washbasin 80x40

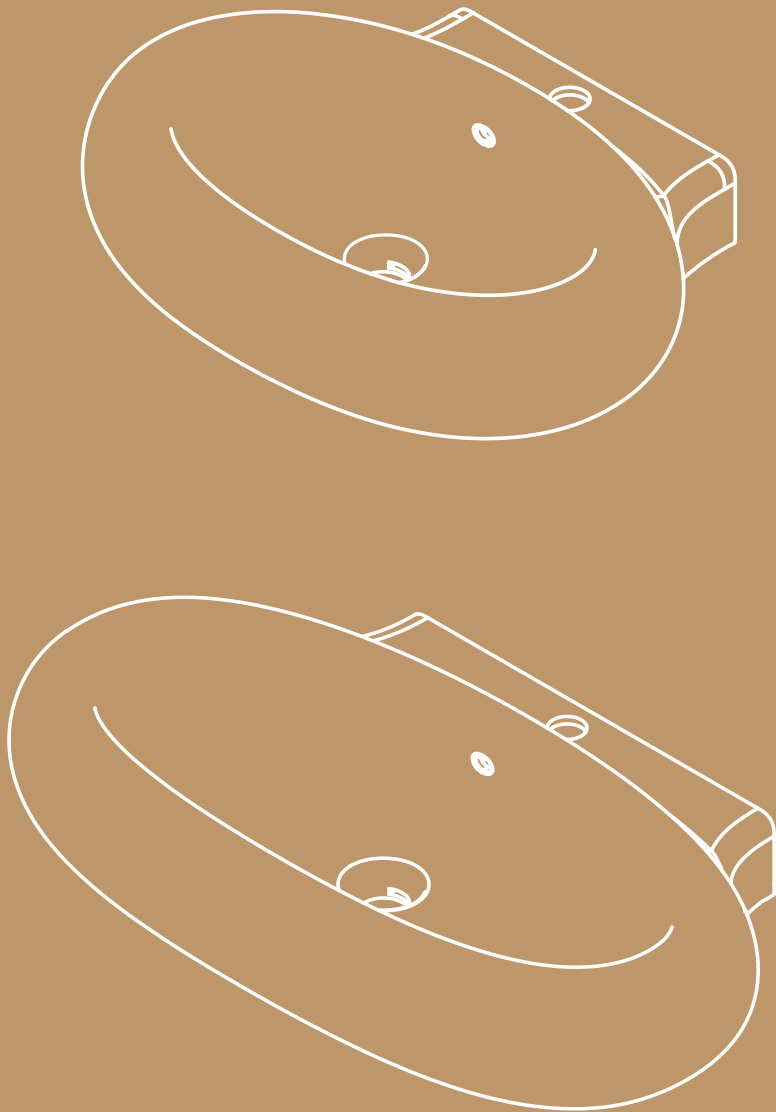
Fluvia collection setting

Render created in Blender





WALL HUNG



Vector isometric views

60x46, 80x46

DIMENSIONS

(EN) The two wall-hung variants echo the formal setup of the washbasins, preserving their aesthetic identity and original proportions. The design intervention focuses on integrating a new part that allows for concealed fastening, in order to emphasize the sculptural character of the ceramic volume against the wall.

From a functional standpoint, the system maintains the overflow hole and provides for the installation of faucets directly on the basin rim. The engineering adopts standard catalog mounting hardware and existing drainage components, ensuring full technical and production continuity.

Wall-hung washbasin 60x46



Width	600
Depth	460
Height	135 mm

Wall-hung washbasin 80x46



Width	800
Depth	460
Height	135 mm

WASHBASINS

(EN) The wall-hung variant in the 60x40 format translates the initial archetype into a wall-mounted configuration, integrating a rear structural support element. This component, visually concealed, detaches the ceramic from the wall surface, enhancing its geometric cleanliness and formal lightness in confined spaces.

Render created in Blender



alice



FLUVIA

Glossy Myrtle

Wall-hung washbasin 60x40

alice



Wall-hung washbasin 80x46

Fluvia collection setting

WASHBASINS

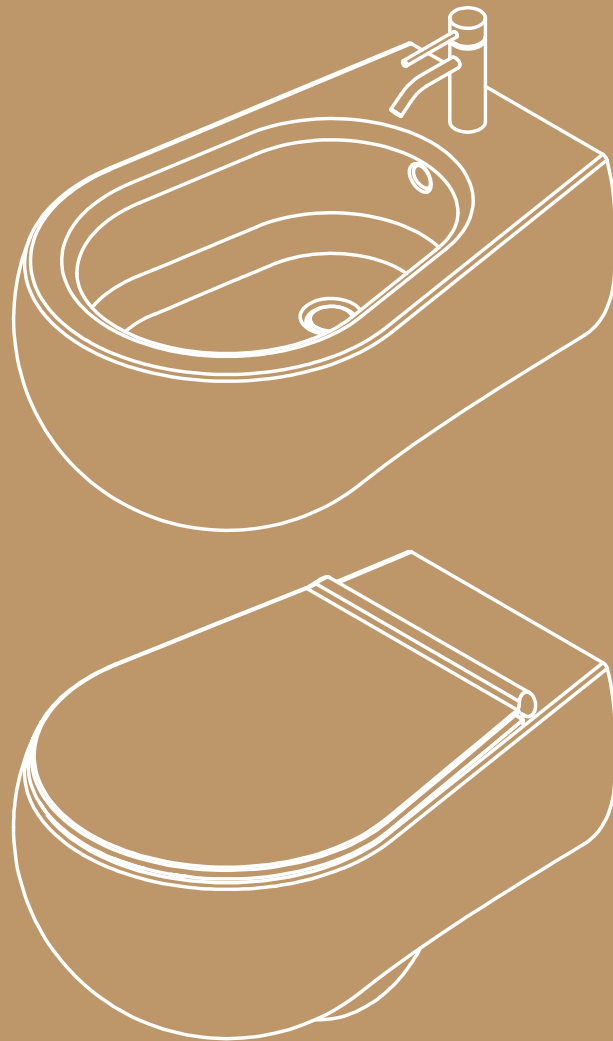
(EN) In the 80x46 wall-hung format, the model combines the generous volumetry of the larger basin with a concealed anchoring system. The design of the hidden fastening system allows to lighten the visual impact of the artifact, enhancing its monolithic purity and formal synthesis.

Render created in Blender





WALL HUNG



Vector isometric views

Wc and Bidet

DIMENSIONS

(EN) Wall-hung sanitary fixtures echo the formal archetype of the entire collection, drawing inspiration from the fluidity and smoothness of river pebbles. The project explores ergonomics and the purity of organic volumes, translating the softness of natural geometries into a ceramic product.

From an engineering standpoint, the Wc and Bidet system is designed for wall mounting. The configuration adopts standard concealed mounting standards and catalog drainage components, ensuring full technical and production continuity.

Wall-hung Bidet



Width	420
Depth	600
Height	275 mm

Wall-hung Wc



Width	420
Depth	600
Height	275 mm

WC & BIDET

(EN) The geometry of the sanitary fixtures adopts a teardrop profile, specifically designed to guarantee high ergonomics and maximum ease of use. This organic volumetry modulates the volumes, combining functional efficiency with the formal fluidity that characterizes the entire collection.

Render created in Blender



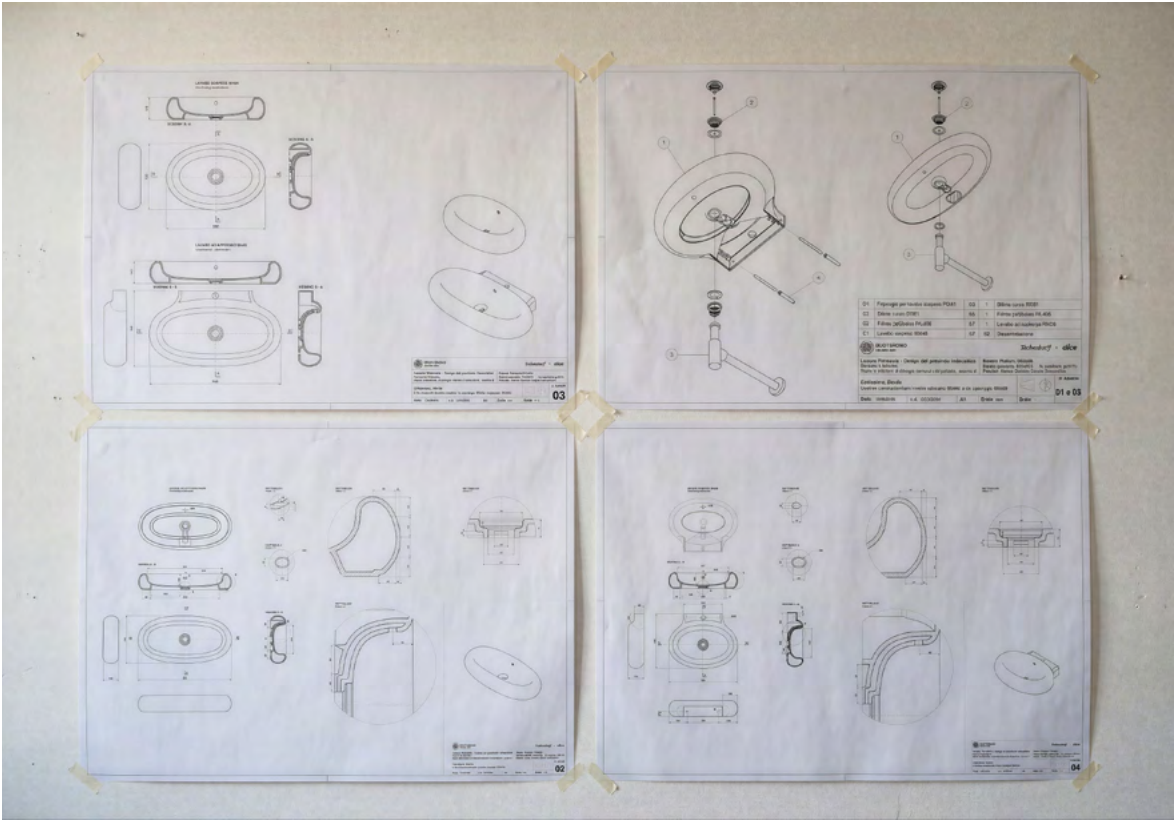
alice



FLUVIA

Matte Coffee

Wc and Bidet



Technical drawings of the Fluvia collection

(EN) The design process unfolds on a dual register: technical-engineering definition of products and the structuring of visual communication. From the study of construction details and execution drawings, we move to editorial translation, culminating in the drafting of the official catalog. A work of visual and conceptual synthesis aimed at restoring the formal and material identity of the entire collection for the contract and residential market.

Catalogue



From technical detail to artistic direction: product engineering and catalog drafting.



Fluvia Collection, Catalogue





Panasonic Redesign: CMF analysis as a tool for formal synthesis for Gen Z.

(EN) The workshop brief required developing a rigorous CMF study and morphological research aimed at the redesign of a Panasonic product, evolving its functional efficiency towards a dimension of human and domestic balance. The project translates the values of the new generations into the concept of “convivial efficiency”, entrusting the geometric cleanliness of the architecture and the integration of the product within the environment with the redefinition of the user experience.

Project:	Workshop
Category:	Product
Brand:	Panasonic
Duration:	1 Week
Year:	2026
Software:	Figma, Solidworks, Blender



NI-GS200, Panasonic

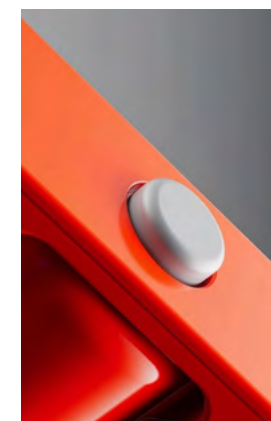
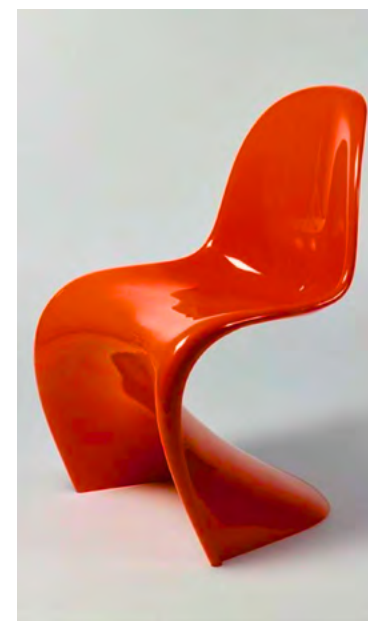
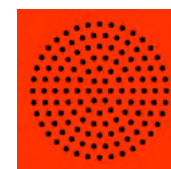
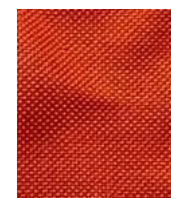
(EN) Research begins with the strategic analysis of Panasonic and its positioning within the Asian market, exploring the catalogue. Attention focuses on the garment steamer, identifying the NI-GS200 model as an archetype of high functional efficiency but confined to a purely utilitarian dimension.



This type of appliance, conceived exclusively for use and subsequent storage in utility closets, highlights a clear dichotomy between performance and the absence of a true formal and expressive identity. The design challenge consists in overcoming this limit, transforming the appliance into a furnishing accessory with a strong aesthetic value, designed to be displayed in the domestic space rather than hidden in utility closets.

Transform a purely functional and service device into a furnishing accessory with a high aesthetic presence.

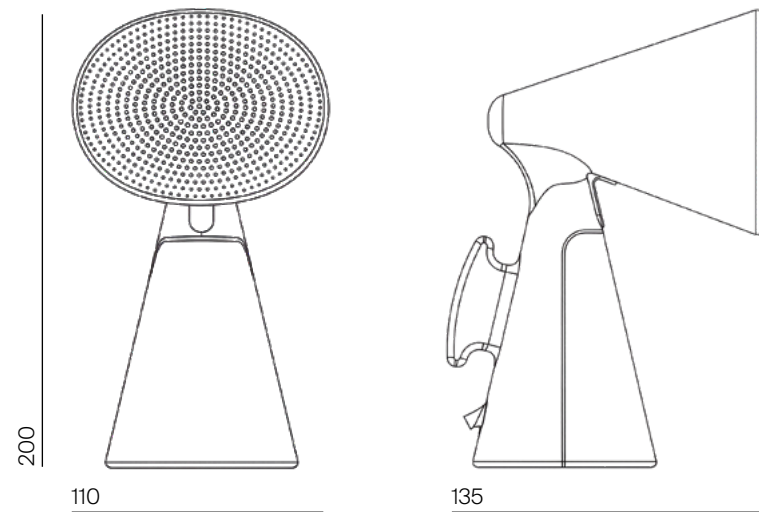
CMF Analysis



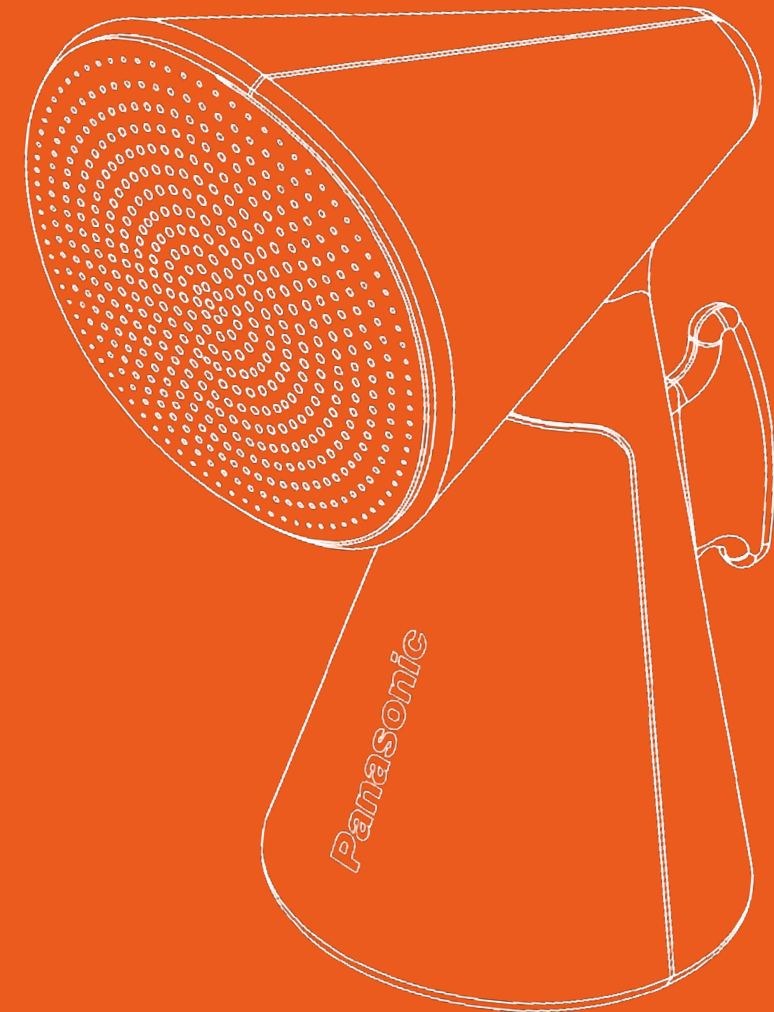
DIMENSIONS

(EN) Product development comes to life from a compact and balanced architecture. The redesign evolves toward fluid, organic forms with a playful character, overcoming initial rigidity through soft volumes, the micro perforated texture of the front grille, and an ergonomic handle that combines visual expressiveness with functional usability.

The iconic silhouette that characterizes the rear profile arises ironically from a primary functional necessity: the need to integrate an element for power cord management.



DEVELOPMENT





(EN) From the resolution of the technical constraint, an unexpected evocative form emerges that recalls the features of a dragon, hence the project name “Ryu”, transforming a technical component into a distinctive trait of strong expressive identity. The development path pursues the objective of designing a playful appliance endowed with a strong scenic presence in space.

Exploded view of the designed components



VISUALIZATION

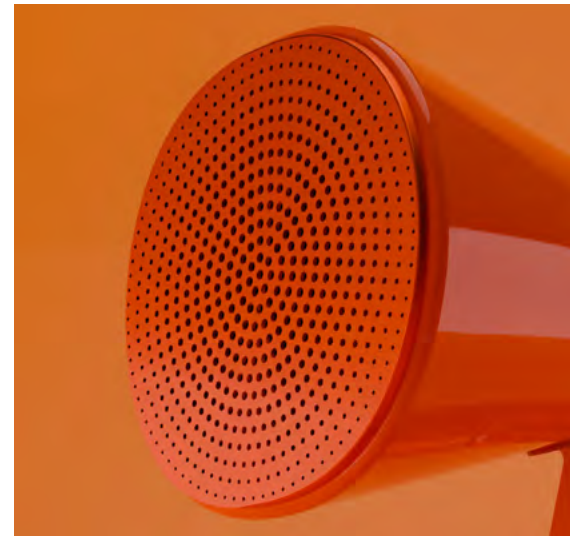
(EN) The subsequent phase was digital visualization, articulated through detail renders, deepening the material rendering of finishes, the precision of joints, and the cleanliness of curves, validating the expressive and communicative efficacy of the concept.

Detail renders created in Blender ↘

↘ Scene generated with Vizcom



DETAILS



USABILITY



↗ Usability, image created in Photoshop

(EN) Interaction with the device is structured through a simple and intuitive sequence of use. Once plugged in, the LED indicator located on the rear signals readiness for use via a red light. Steam delivery is activated by operating the ergonomic trigger integrated into the handle. Once the operation is concluded, the power cord is gathered and neatly wound on the rear fins.

This solution allows the device to be permanently displayed in the domestic space, transforming a utility appliance into a furnishing accessory with strong aesthetic value.

SETTING



↗ Object set in context, image created in Photoshop



Exploring the formal synthesis between a steel tube and the valet stand function.

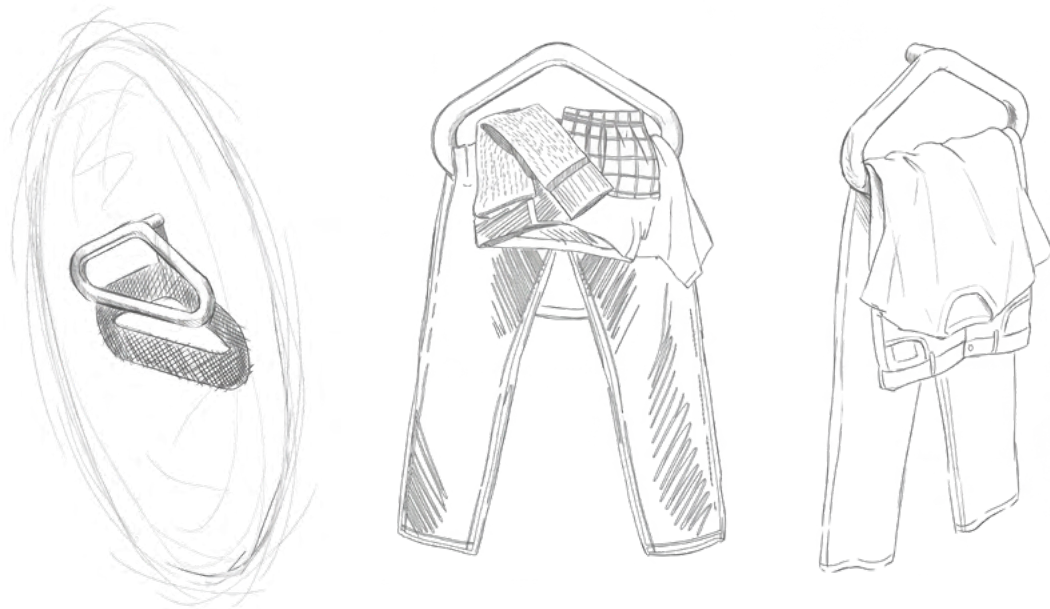
(EN) The project reinterprets the archetype of the valet stand, zeroing its visual complexity through a radical approach. Morphological research translates into a solution of extreme synthesis: a basic element elevated to a sculptural object, which redefines the relationship between form and spatial necessity without immediately revealing its functional nature.

Project:	Personal
Category:	/
Brand:	Independent project
Duration:	1 Month
Year:	2026
Software:	Adobe Suite, Solidworks, Keyshot, BambuStudio

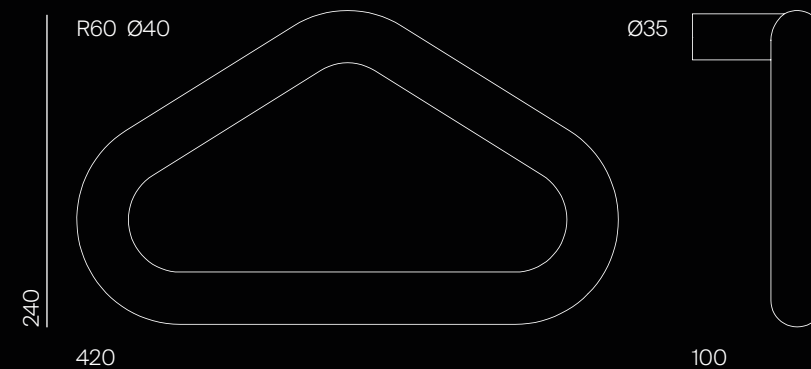
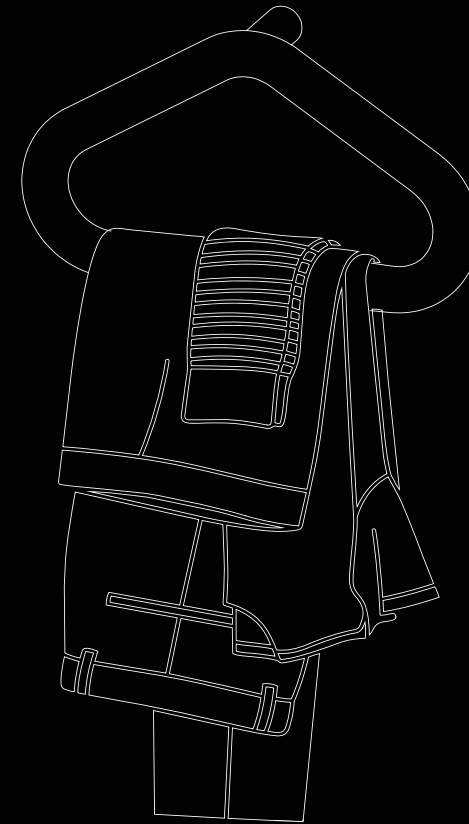
Analyzing the ritual associated with garment preparation to redefine the product.

(EN) Development takes shape from the observation of daily habits, translating the gesture of laying down clothes into an essential volume. Beneath the material and productive profile, it employs a single steel tube.

The precise calculation of the bending radii guarantees the necessary structural rigidity, eliminating any visible welds and enhancing the pure industrial aesthetics of the material.

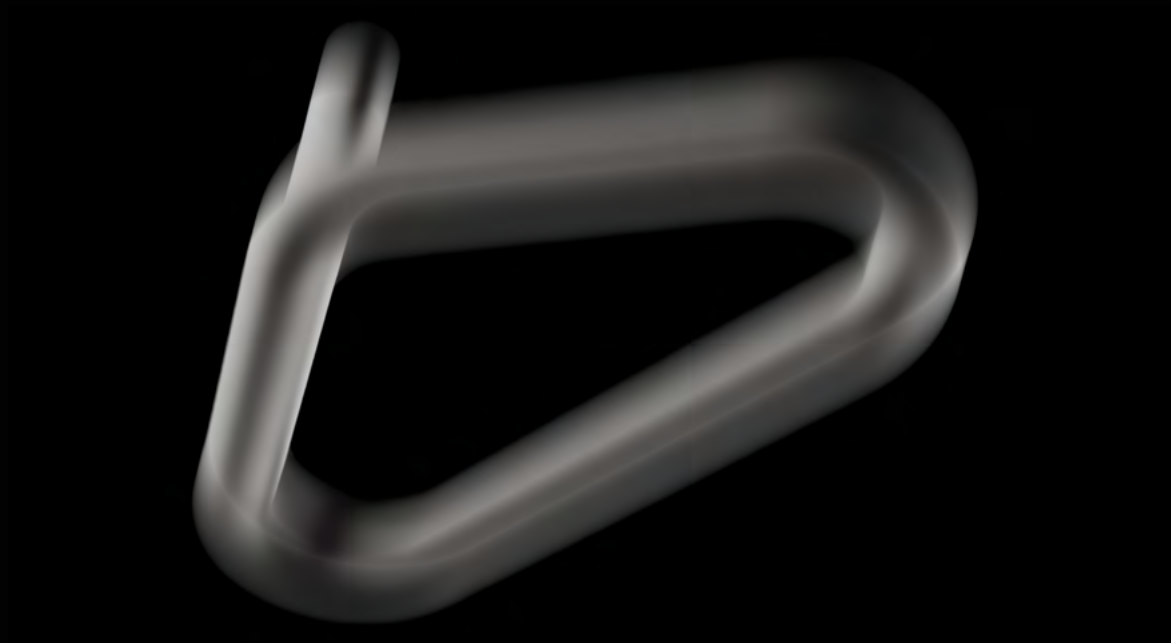


↗ Inspiration sketch



VISUALIZATION

(EN) Exploring the delta between a stainless steel tube and the valet stand archetype.



Ø35 | Ø40

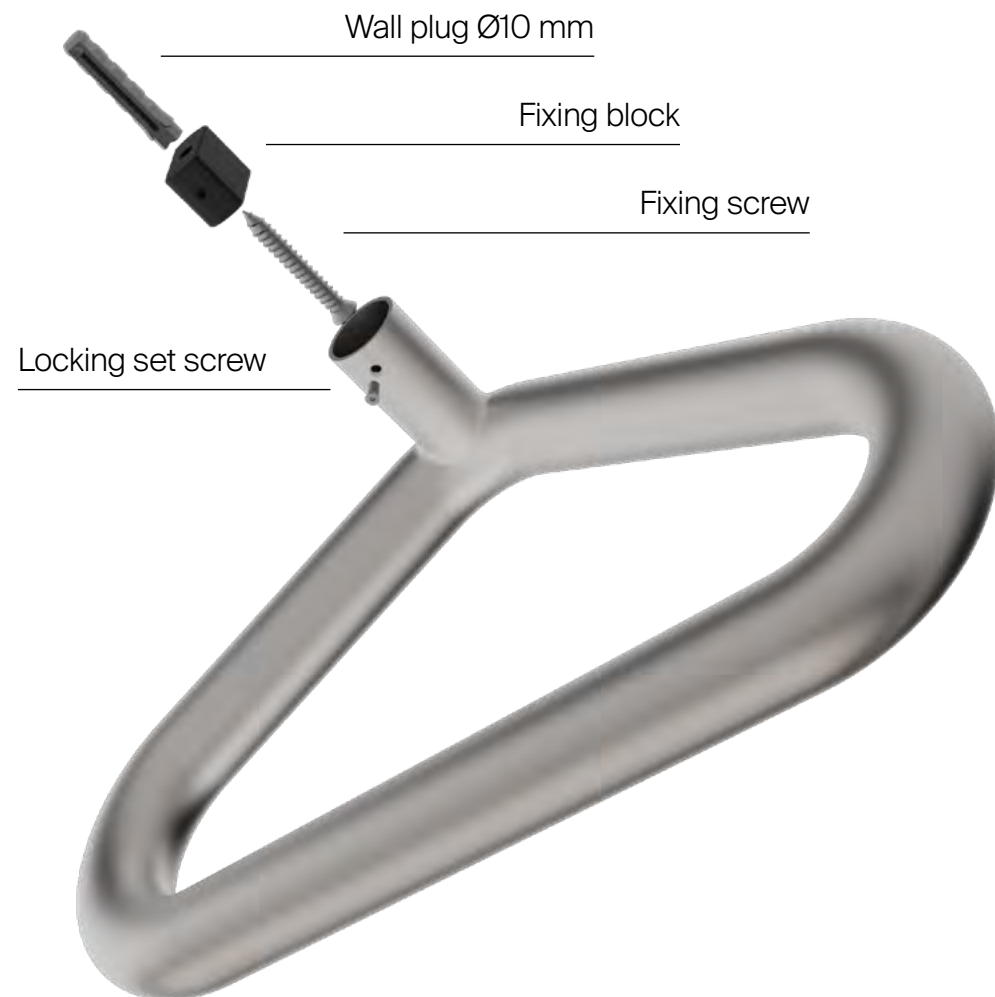
PRODUCT

(EN) The geometry is simply obtained through cold bending and welding.



3 Bends | 306°

FIXING



USABILITY



Usability, visual concept of the use

^(EN) The geometry gives rise to the name of the project: Delta. Its shape offers different modes of use: it is possible to hang garments on the lower tube, use the triangle as a hanger or, for the less neat, simply throw clothes on top. Fixing relies on wall anchoring via a concealed engineered system. Installation involves a wall-fixing block onto which the tubular body securely engages, secured by a lower locking set screw.

SERIES 901

07
↙

PORTFOLIO



↗ B&W Series 901 visual concept

ARCH01-PRJ-07

Redesigning an icon: my personal tribute to the world of Hi-Fi audio.

(EN) Born from a personal brief and the deep fascination for hi-fi audio that I have cultivated since childhood, the project required the development of a rigorous morphological research aimed at conceiving a new celebratory series for the brand Bowers & Wilkins. The concept translates the technical heritage of the brand into a geometric cleanliness of volumes and a purely sculptural aesthetics. It is the redefinition of the high-end loudspeaker in the domestic space.

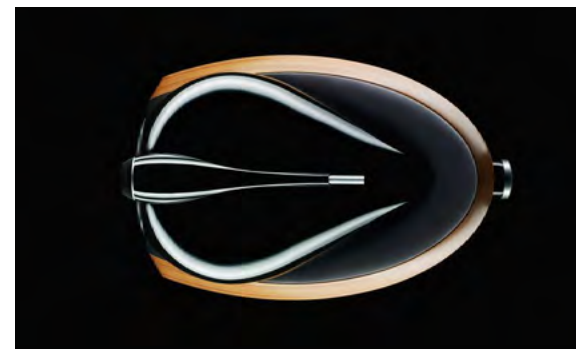
SERIES 901

Project:	Personal
Category:	Hi-Fi audio product
Brand:	Bowers & Wilkins
Duration:	3 Months
Year:	2026
Software:	Adobe Suite, Solidworks, Blender



➤ Bowers & Wilkins, 801 Diamond Series

(EN) The research phase examined the design heritage of Bowers & Wilkins, analyzing in particular the aesthetic language of the iconic 800 series. The brand's architecture is historically dictated by a rigid functional decomposition: tweeters, midrange, and woofers are isolated in distinct material volumes to eliminate acoustic interference, generating the famous stacked-module aesthetic.



This performance approach, although technically impeccable, defines a strongly fragmented visual identity. The analysis therefore focused on how to evolve this paradigm. The intention was to overcome the assembly of exposed technical elements, studying how to redistribute and optimize the volumes of the internal acoustic chambers in order to enclose them in a single shell.

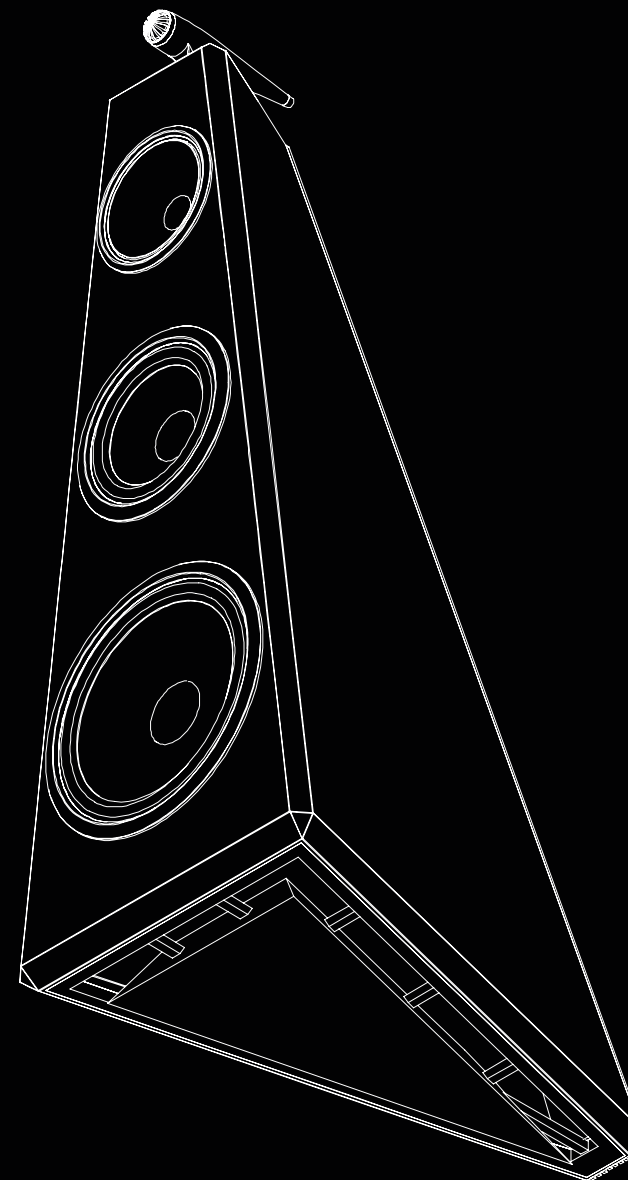
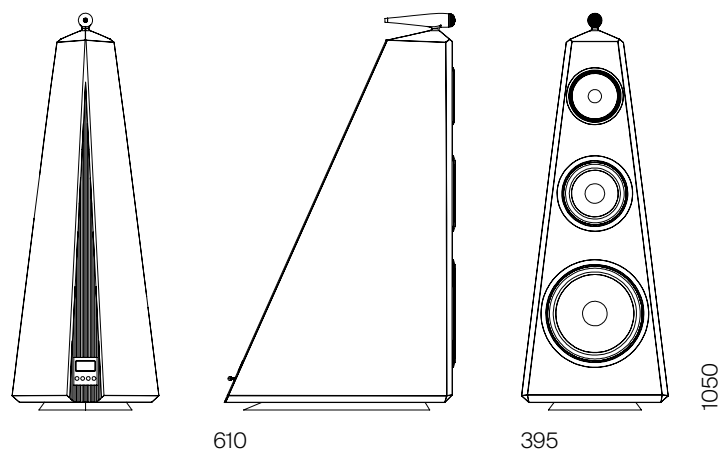
Synthesizing the acoustic complexity of Bowers & Wilkins into a monolithic form.

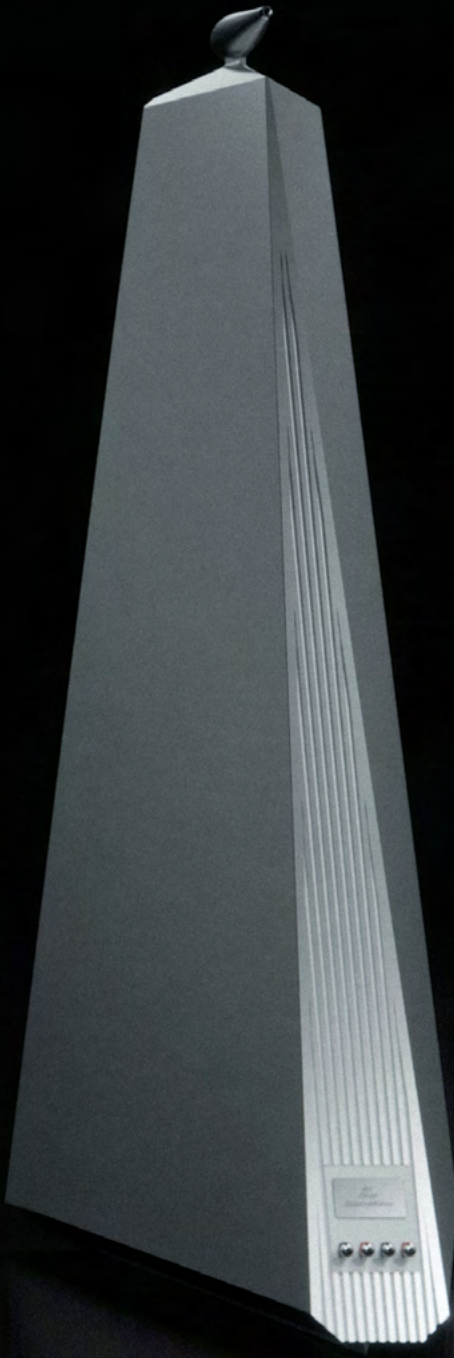
➤ Render of the internal acoustic architecture



Defining a new formal synthesis: balancing aesthetic innovation with the deep brand heritage.

(EN) The morphological development of Series 901 is based on a tapered geometry, designed to confer maximum stability and minimize internal resonances. At the base, the insertion of a marked technical shadow gap lifts the monolith from the floor: a functional solution that guarantees the correct diffusion of sound downwards and, at the same time, dematerializes the imposing presence of the loudspeaker, making it appear visually suspended. The volume thins out towards the apex, enclosing the acoustic engineering in an uninterrupted shell.





COMPONENTS



MATERIALS

(EN) From the perspective of industrial feasibility and production continuity, the project integrates the acoustic components already consolidated by Bowers & Wilkins. Tweeter, midrange driver, and original woofers are kept unchanged. The design intervention focuses exclusively on the development of the new external metal structure, providing a new aesthetic without altering the brand's sonic excellence.

Detail of the tweeter integration



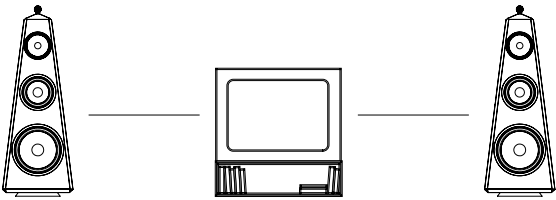
PORTFOLIO

SERIES 901



SETTING

(EN) To convey the true essence of the project, the renders are set in a custom-modeled listening room. This space allows for a better understanding of the object's proportions in domestic reality and highlights the product's details, such as cable connections and the rear grille for heat dissipation.



Contextual renders of the Series 901 loudspeakers



HI-FI

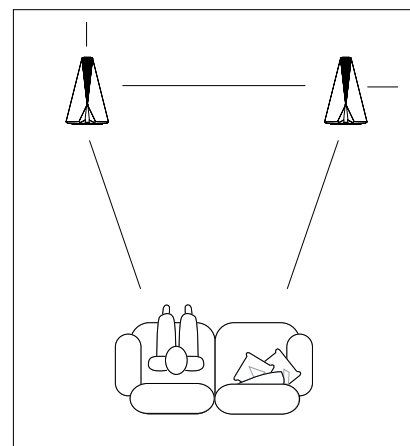


SERIES 901

RENDER

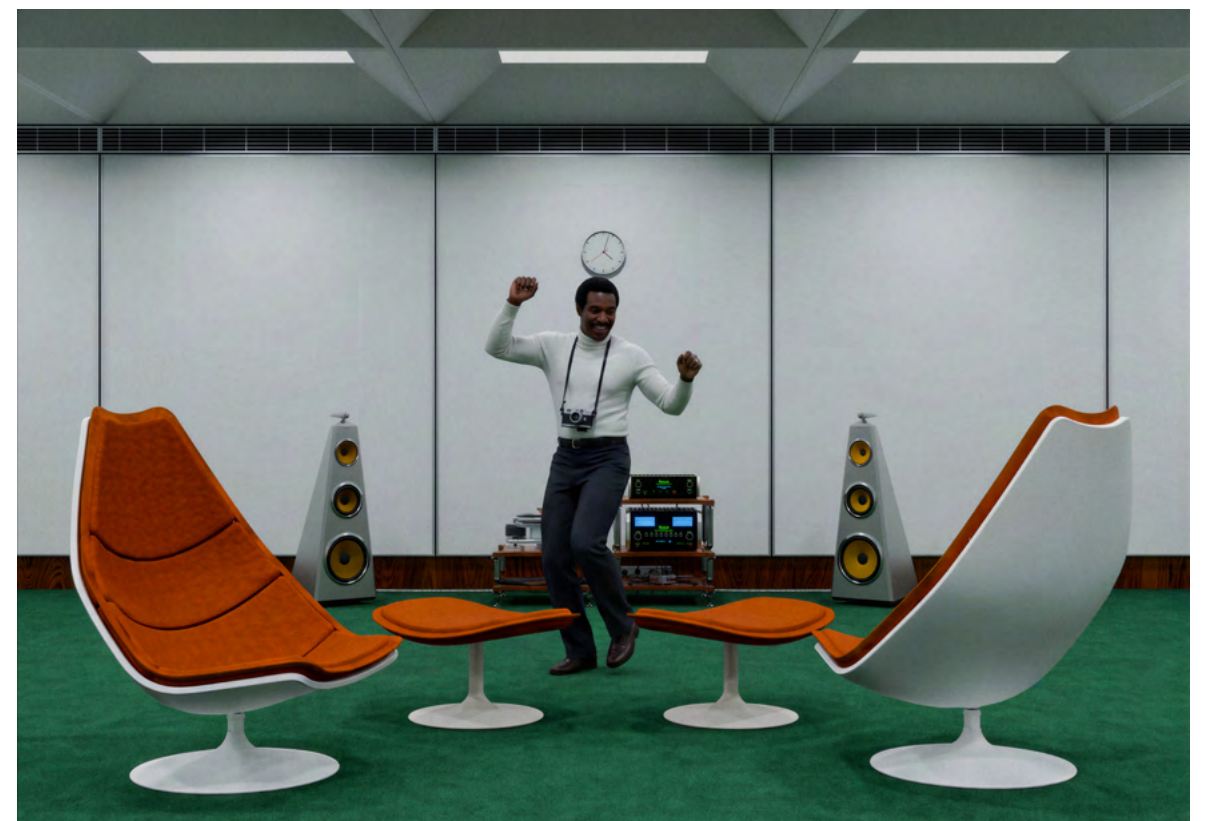


➤ Bowers & Wilkins, Series 901



(EN) Art direction draws inspiration from the rigorous geometries of the Scissione series, creating an ideal scenario to enhance the product. To recount the interaction with the product, a human figure has been introduced. The environment and the loudspeaker were entirely modeled and rendered in Blender, while the user was integrated in post-production with Vizcom. In this way, AI fits into the workflow as a powerful tool to support visual storytelling, without ever replacing the designer's work.

ART DIRECTION



PORTFOLIO

SERIES 901



WATT-B CHARGER

08
↙

PORTFOLIO



Watt-b Charger visual concept

ARCH01-PRJ-08

Designing an e-bike charging station, combining technical efficiency, costs, and a modern aesthetic.

(EN) Born from the needs of the startup Watt-B, the project aims to develop a charging infrastructure for e-bikes destined for cycle tourism areas. The brief focused on the engineering of a folded sheet metal shell, studied to optimize technical feasibility and minimize craft production costs, returning a solid, scalable urban furnishing element with an intuitive design.

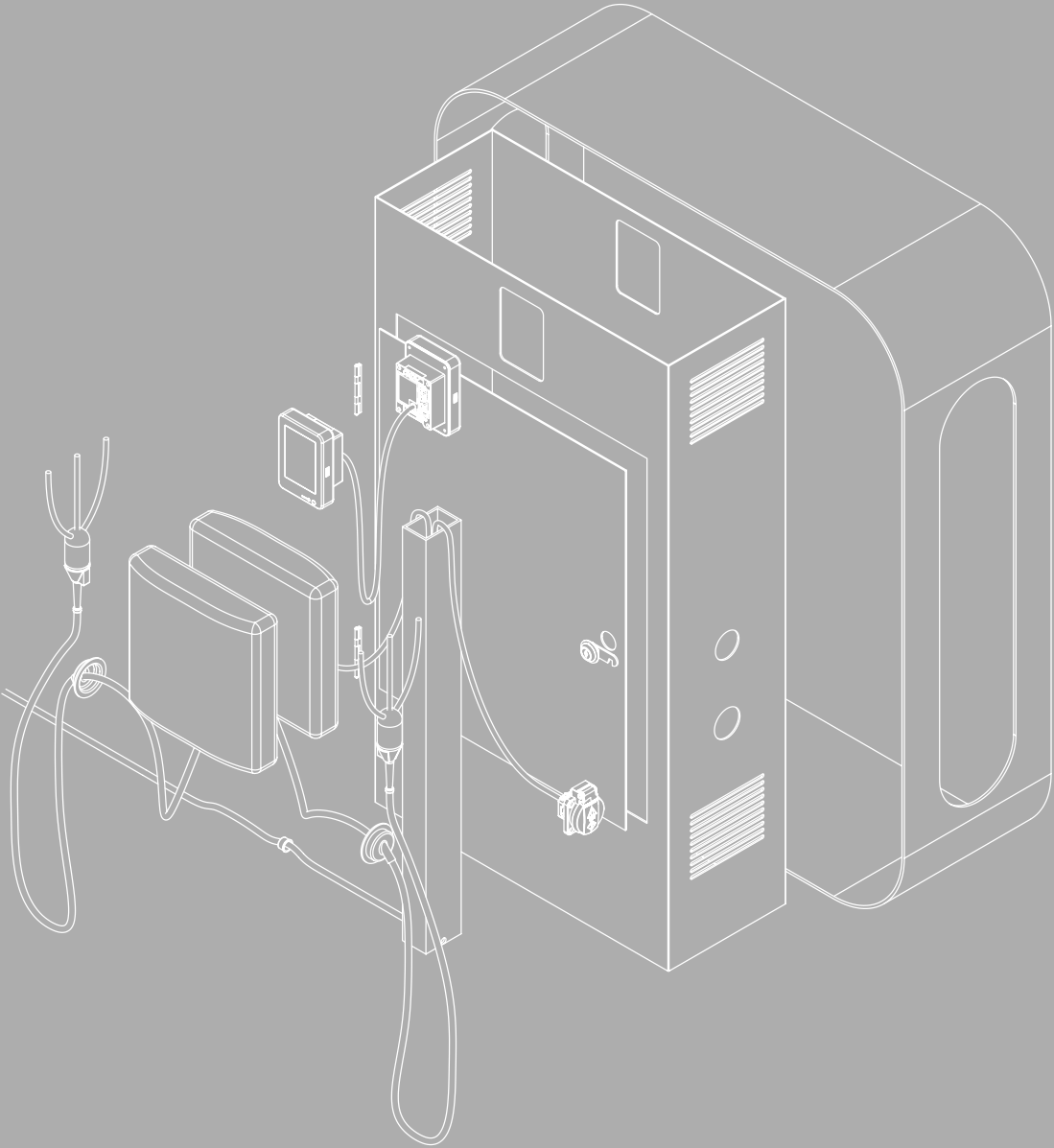
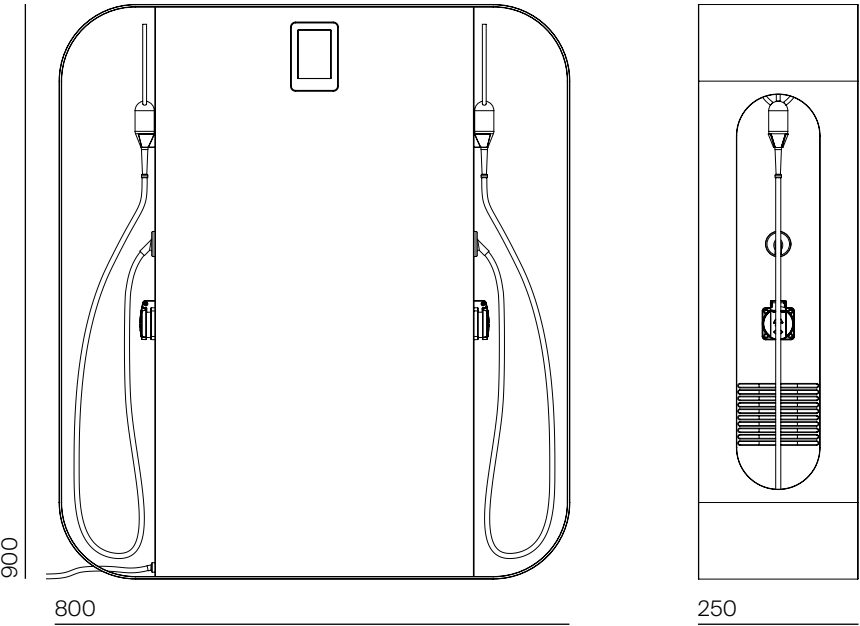
WATT-B

Project:	Professional
Category:	Product
Brand:	Watt-B Startup
Duration:	3 Months
Year:	2026
Software:	Solidworks, Autocad, Blender

Engineering a sheet metal shell to reduce costs and integrate hardware.

(EN) The concept is based on the integration of standard electronic charging components inside a functional and aesthetic shell. The enclosure has been engineered by exploiting sheet metal bending and welding: this construction approach guarantees high strength and durability, minimizes production costs, and facilitates storage and transport.

PORTFOLIO



Galvanized Steel

Vector isometric view ↗

(EN) The product's aesthetics follow a rigorous industrial and minimalist approach, enhanced by the use of galvanized steel free of surface finishes. The design intent is to keep every element visible: charging cables, Schuko sockets, and POS terminals are immediately legible, making user interaction clear and intuitive.

Product render created in Blender



SETTING



USABILITY



Task analysis, how the bike is secured

(EN) On a usability level, the large side rings make bicycle securing an extremely easy and safe operation. The compact proportions allow for a modular and harmonious installation of multiple adjacent units. The project is currently in the prototyping phase: the technical validation of this first model will officially launch series production.

Website



SET
DESIGN

09
↙

PORTFOLIO



Planters design visual concept

ARCH01 - PRJ - 09

Designing the planters for an exhibition design, elevating them from functional containers to the visual fulcrum of the installation.

(EN) Born from the request to design a system of planters for the Landscape Festival in Piazza Vecchia in Bergamo, the intervention evolves by elevating the planters to true protagonists of the space. The geometric structures, characterized by a mirror-finished surface, blend with the plants: the volumes dematerialize, establishing a suggestive mimetic dialogue between the vegetation and the historic architecture of the square.

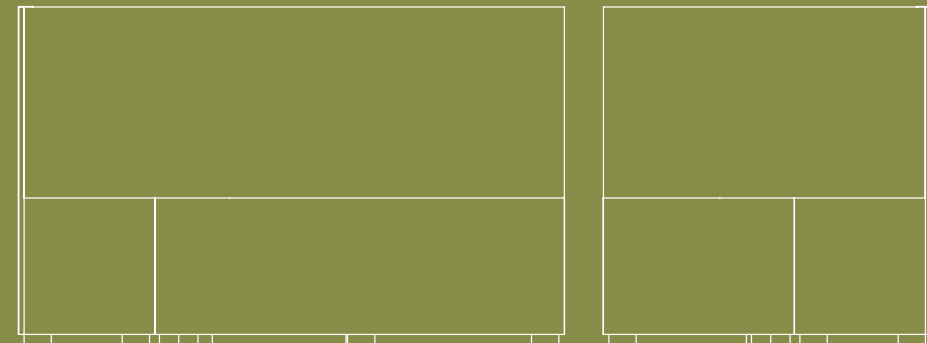
SET DESIGN

Project:	Professional
Category:	Set design
Brand:	Cristina Mazzucchelli Green Design
Duration:	3 Months
Year:	2026
Software:	AdobeSuite, Solidworks, Blender, Vizcom

Developing a system of modular mirror planters with a strong scenographic impact.

(EN) The concept is based on the creation of pure volumes with a mirror finish, declined in various dimensions to generate dynamic and adaptable compositions. This material choice makes it possible to dematerialize the visual footprint. At the same time, the modular and serial construction approach guarantees economical production, a fundamental requirement for a temporary installation.

Renderers presented to the client



VISUALIZATIONS



LAYOUT

(EN) In addition to the design of the planters, the development of the project included spatial configuration and visualizations of the entire set design. The renders illustrate the mirror structures inside the square, highlighting the play of reflections generated by the installation in context.



Layout plan

Contextual renders of the proposed set design



PORTFOLIO

Press review: mentions in newspapers



Città Alta

► **Donatello Trabucchi**

I Maestri al naturale, il paesaggio e la piazza. Con i dehors rinnovati e fiorire a specchio

A settembre farà la manifestazione, parola d'ordine: riordinare

Il quarantennale è l'occasione per un bilancio di quanto fatto e quanto resta da fare. Le festività sono state definite in modo da essere un'occasione di riflessione sul passato e di proiezione nel futuro. Il tema scelto per il piano è: "paesaggio e architettura". Il paesaggio è un elemento fondamentale dello sviluppo urbano e della qualità della vita. La città è un organismo che si evolve nel tempo e che deve essere in grado di adattarsi ai cambiamenti. La manifestazione è un'occasione per riflettere su questi temi e per coinvolgere i cittadini.

La garden design
A Firenze si è deciso di dare un'occhiata al giardino. Un'occasione per riflettere su questo tema e per coinvolgere i cittadini. La garden design è un'arte che si evolve nel tempo e che deve essere in grado di adattarsi ai cambiamenti. La manifestazione è un'occasione per riflettere su questi temi e per coinvolgere i cittadini.

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Uno spazio «chill» riservato
Educatori e giochi, si così interlanciano i giovani a Oricento

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04 — 20 september 2026



SET DESIGN



Education



Fundamentals of Interiors and Product

Annual course
2022-2023



Industrial Product Design

Bachelor's Degree
2023-2026

Languages

English

IELTS C1
Academic

Italian

Native

Spanish

Basic level

Hard Skills

3D Modeling

Solid and parametric

Product Visualization

Rendering and AI

Visual Communication

Publishing and images

Prototyping

3D Printing

Engineering

CAD Drawing

Soft Skills

Project Management

End-to-end

Teamwork

Multidisciplinary collaboration

Storytelling

Strategic product storytelling

Design Thinking

User analysis and problem solving

Technical Dialogue

With suppliers and clients

Experience



Enrico Cesana Studio

Product Design Intern
6 months



Design Week Reportage

Communication
1 week



Watt-b

Junior Product Designer
3 months



Landscape Festival

Designer and render artist
3 months

Software

Design Tools



Modeling



Render



3D Printing



PORTFOLIO

CURRICULUM

THANK YOU

^(EN) Having reached the end of this journey, I would like to thank the people who made it possible and special. Thanks to the professors and fellow students at Politecnico, with whom I shared ideas, endless revisions, and nights spent on projects.

A special thought goes to the professionals who opened the doors of real work to me: thank you for everything I learned during these experiences.

Thanks to the artisans and technicians who helped me transform renders into concrete objects and taught me how essential it is to engage with materials to fully understand a project.

This portfolio closes an important chapter, and my enthusiasm for what is to come is high. I cannot wait to discover what projects and opportunities the future holds for me.

The concepts are finished. It is time to go into production.

Sincerely,



Bachelor's Thesis Archive
Industrial Product Design 2026



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Bēhance

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