

Mediterranea

A mediterranean approach
to 3D printed design.





*Research and innovation
are at the core of our project*



we design a different future

We are an architecture and design firm, specialized in innovative processes and technologies, from computational design to digital fabrication, to work for a new urban, ethical and sustainable dimension.

Founded in 2007 in Cava de' Tirreni, city on the outskirts of the Amalfi Coast, **Medaarch** is a multidisciplinary company capable of injecting innovation into the various contexts in which it operates.

Our projects are inspired by a vision of the future in which digital technologies and humanistic approach go hand in hand, having sustainability as the main and essential objective.

We have always worked with experimental methods, contents and materials to create tailor-made and ecological solutions. We can do this thanks to a Research and Development department within the company which represents a precious and essential place for us.

A way to look to the future by continuously experimenting with possible solutions and horizons to improve the quality of life and work in this world.

Medaarch renews the tradition of the Renaissance workshop, the heritage that has made Made in Italy great all over the world, enabling talents to a new and contemporary vision of Arts and Crafts.

We have been working for years in the transfer of knowledge and technologies, equipping artisans and professionals with the necessary skills to manage the innovation processes required by the market and to make these models their own.

With the same spirit we worked on the **Mediterranea** collection, combining the talent of Italian design, new technologies and the beauty of Made in Italy craftsmanship, to create objects that embody our vision and our passion.

Digital has made possible a dialogue between technology and craftsmanship rediscovering a holistic approach to design, typical of the Italian Renaissance workshop. In this scenario, Medaarch uses new technical resources as a precious tools at the service of living.

*This is the approach that we wanted to give to the *Mediterranea* and *Unique* collections.*

Amleto Picerno Ceraso,
Medaarch designer and cofounder



Eco-materials, new technologies, sustainability, design

Mediterranea, the collection of indoor & outdoor furniture by Medaarch, comes from the encounter between traditional tools of Made in Italy craftsmanship and digital fabrication.

Mediterranea collection investigate the relationship between innovation and tradition. Our furnishings are in fact made thanks to an additive manufacturing process, 3D printing, which is added to the range of tools of the Italian artisan and industrial tradition.

Thus, armchairs, stools, dining chairs, and seats emerging by addition of material, generated thanks a computational approach to design that allows to define geometric shapes ensuring the resistance of the surfaces, dynamism and lightness, minimizing the use of material.

The materials used for the **Mediterranea** products are eco-sustainable plastics with the addition of natural dye:

- PLA, is an innovative bioplastic derived from the transformation of sugars present in corn, renewable and non-petroleum-derived materials, it's biodegradable and compostable.
- PETG, recognized as a safe, non-toxic, durable and 100% recyclable material.

The aim of the project is to re define plastic furniture in a Mediterranean key in the name of innovation and sustainability in order to make it functional, aesthetically pleasing and comfortable.

ARMCHAIRS

Capri	10/11
Pantelleria Poltrona	12/13
Vulcano	14/15

CHAIRS

Ischia	16/17
Pantelleria	18/19
Santorini	20/21

STOOLS

Anacapri	22/23
Arzachena	24/25

COFFEE TABLES

Stromboli	26/27
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UNIQUE VASES

Unique	28/29
Diodora	30/31
Eco	32/33
Fiordo	34/35
Sinularia	36/37



Capri

ARMCHAIRS

A rounded silhouette and a volume and a seat which excavates its shape into a compact volume.

Capri is the armchair which, also for its colors reminiscent of the colors of the famous island of the Gulf of Naples, stands out becoming a contemporary decorative quirk for domestic environments and beyond.

Its curved shape and the high and welcoming backrest make it very comfortable and, at the same time, give it a strong iconic character.

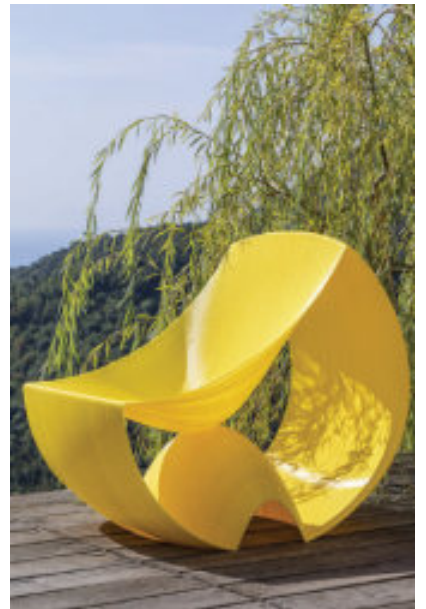
It is possible to order **Capri** together with Anacapri, the coordinated side table.



COLOR
YELLOW

DIMENSIONS
60 x 95 x 84 cm

MATERIAL
PLA
PETG



Pantelleria Poltrona

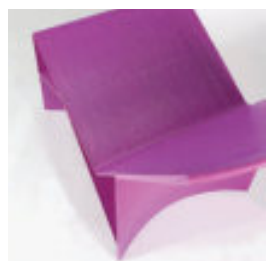
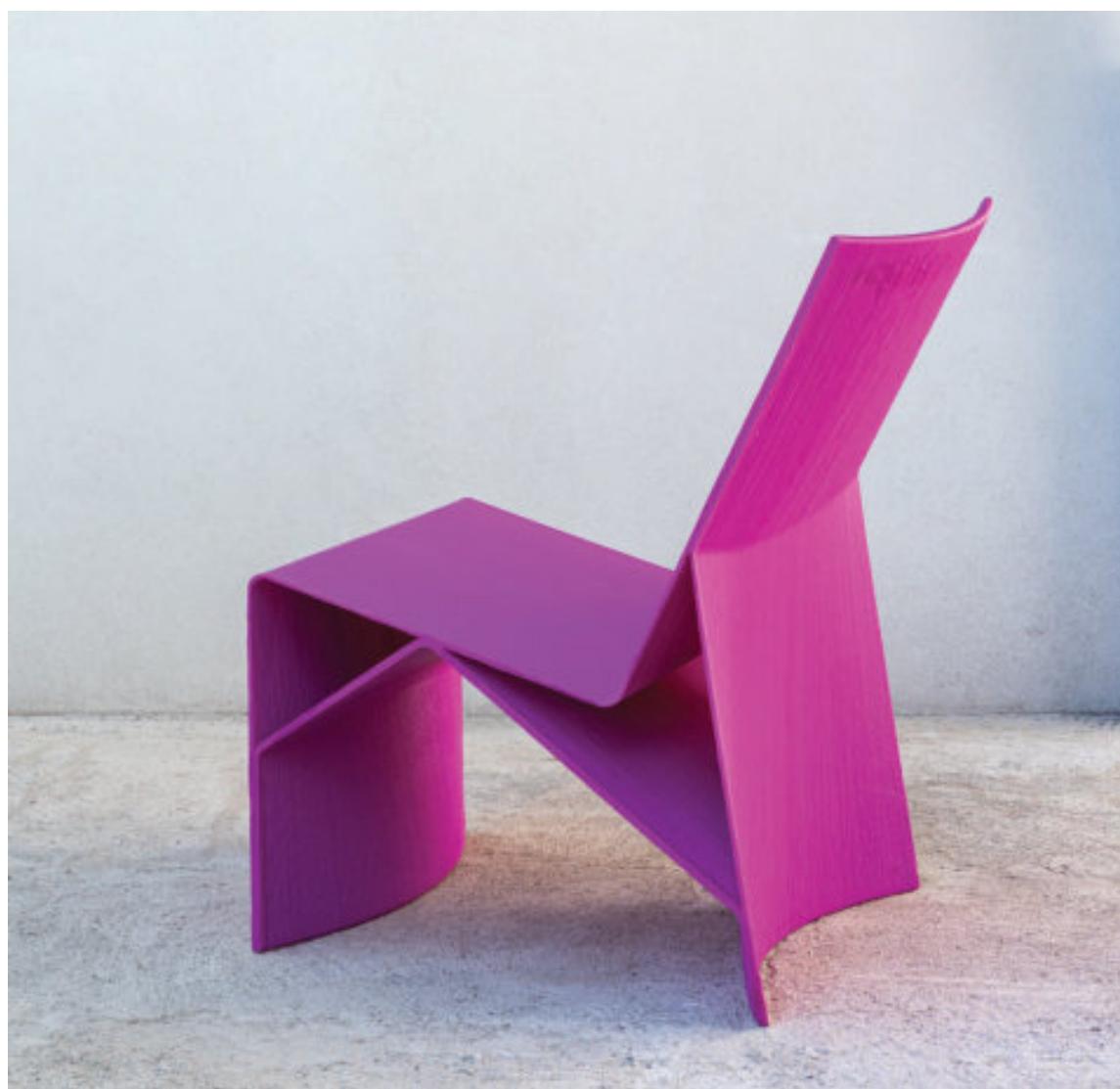
ARMCHAIRS

For the creation of **Pantelleria**, Medaarch is inspired by the slender structures of nature with flexibility and lightness. Like stems and branches that fold back on themselves, so the profile of the seat separates and then returns to its path.

The result is a resistant and dynamic object without however weighing down its impact.

The armchair, without armrests, is characterized by its clean shapes, while the high backrest that suggests the charm of the armchairs of the past.

The solid line is the strong point of this seat.



COLOR
WHITE
PURPLE

DIMENSIONS
50 x 67 x 80 cm

MATERIAL
PLA
PETG



Vulcano

ARMCHAIRS

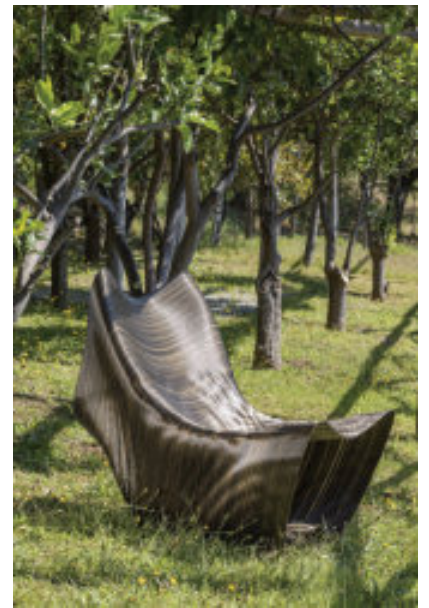
Vulcano is a chaise short conceived to be an outdoor furniture element. Together with the Stromboli coffee table, it forms an outdoor set with strong appeal.

Imagined in the garden or by the pool, Vulcano is able to enrich the space in which it is located thanks to its decisive but soft presence.

The surface of **Vulcano** ripples like water beaten by the wind. This particularity increases the resistant capacity of the casing that constitutes it.

The result is a chaise short with an important volume, but also characterized by lightness and practicality.





COLOR
BLACK-BRONZE

DIMENSIONS
65 x 40 x 90 CM

MATERIAL
PLA
PETG

Ischia

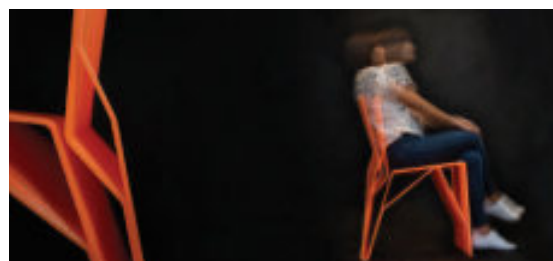
CHAIRS

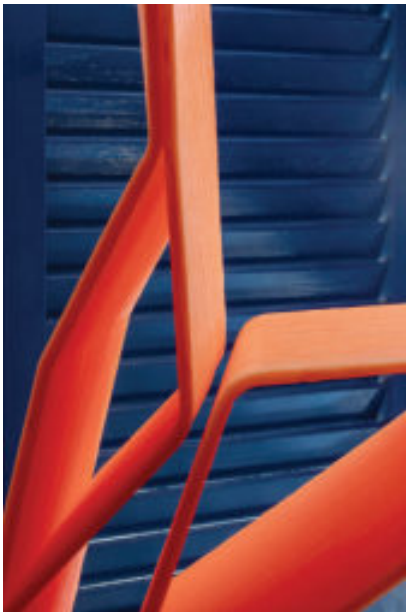
The resistance of its material and its the particular conformation, make **Ischia** a fun and fascinating chair.

This seat is characterized by a linear and rigid structure that is broken by the unexpected and pleasant rocking effect given by the flexible backrest.

This particularity gives flexibility to the vertical element of the chair, which is very pleasant accompanying the posture in the moment of relaxation.

Imagined in bright and cheerful colors, **Ischia** is a chair that, thanks to its liveliness and its thin structure, fits very well even in the terrace or in the greenery of the house.

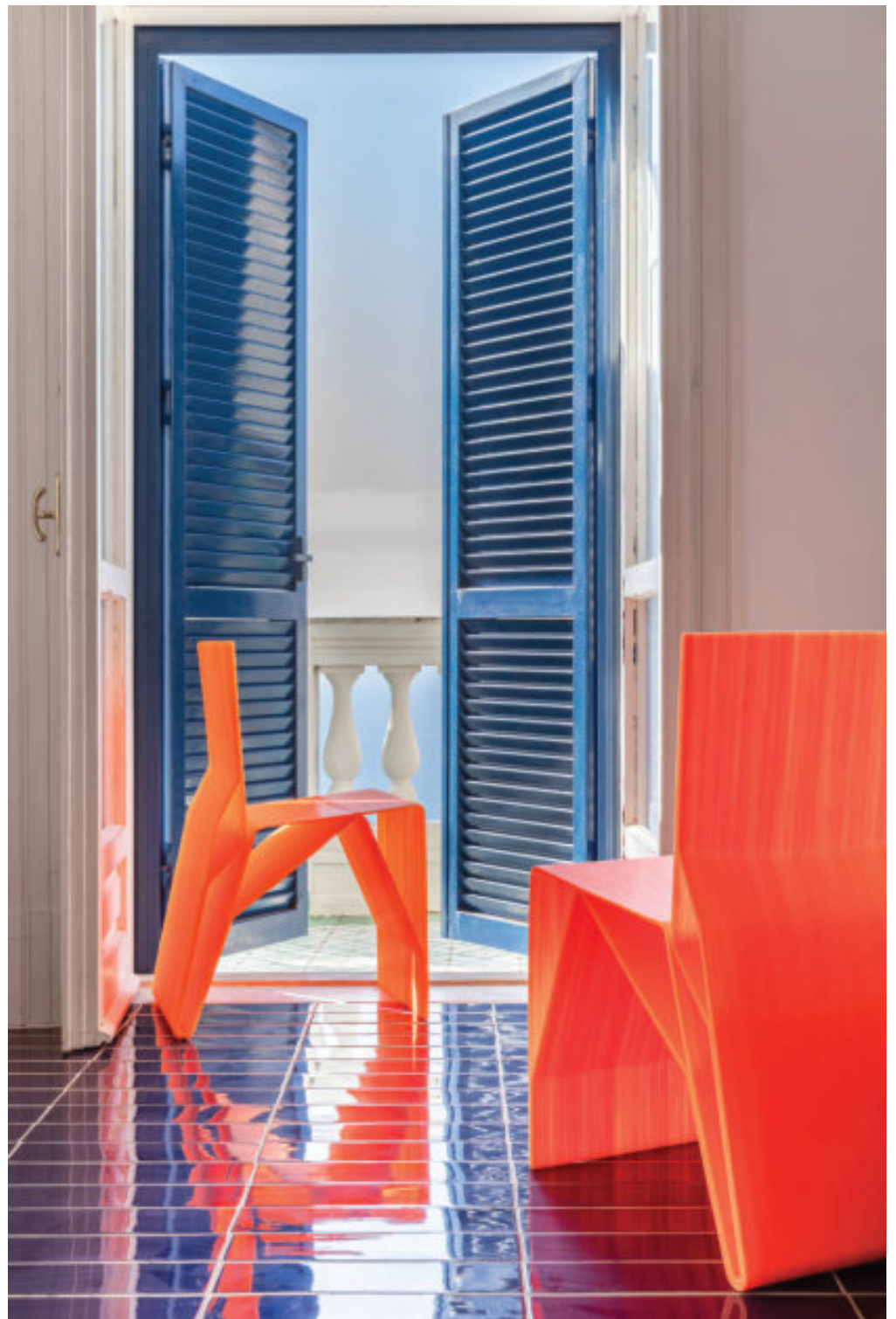




COLOR
FLUO ORANGE

DIMENSIONS
42 x 52 x 80 cm

MATERIAL
PLA
PETG



Pantelleria

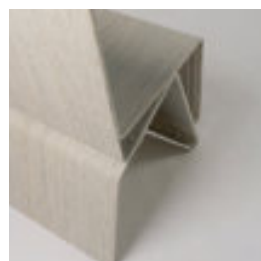
CHAIRS

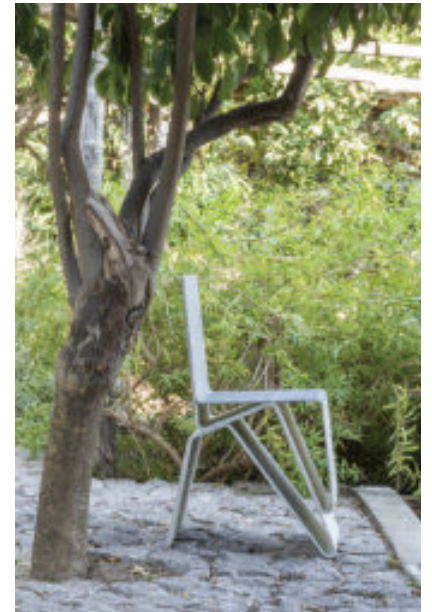
Sinuuous but at the same time essential, **Pantelleria** is made from two strips of continuous material that rest on each other.

The backrest and the seat move with the same harmony, conforming different functions and resistances.

The simplicity of the shapes of this chair gives it an elegant and distinct character that is well suited to indoor environments such as terraces and patios.

A reinterpretation of the traditional long-limbed profiles, revisited in a modern and contemporary note, makes **Pantelleria** a truly special piece.





COLOR
LIGHT GREY

DIMENSIONS
40 x 49 x 77 CM

MATERIAL
PLA
PETG

Santorini

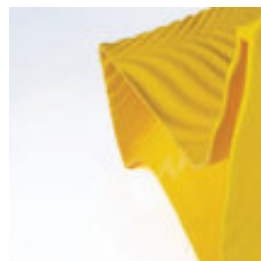
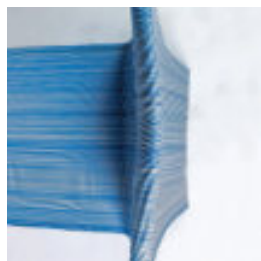
CHAIRS

A design that brings land and sea closer. Profile and color reminiscent of the roofs of the famous Greek island, all in a session of character.

Santorini is a chair that combines lightness and aesthetics.

Made as a shell of continuous material suitably deformed and bent, the seat is suitable both for indoor use and natural environments.

The streak of colors can be replaced by strong and bright solid colors that recall the vivacity of the colors of the Mediterranean coast.





COLOR
NIGHT BLUE
LIGHT BLUE

DIMENSIONS
45 x 54 x 80 CM

MATERIAL
PLA
PETG

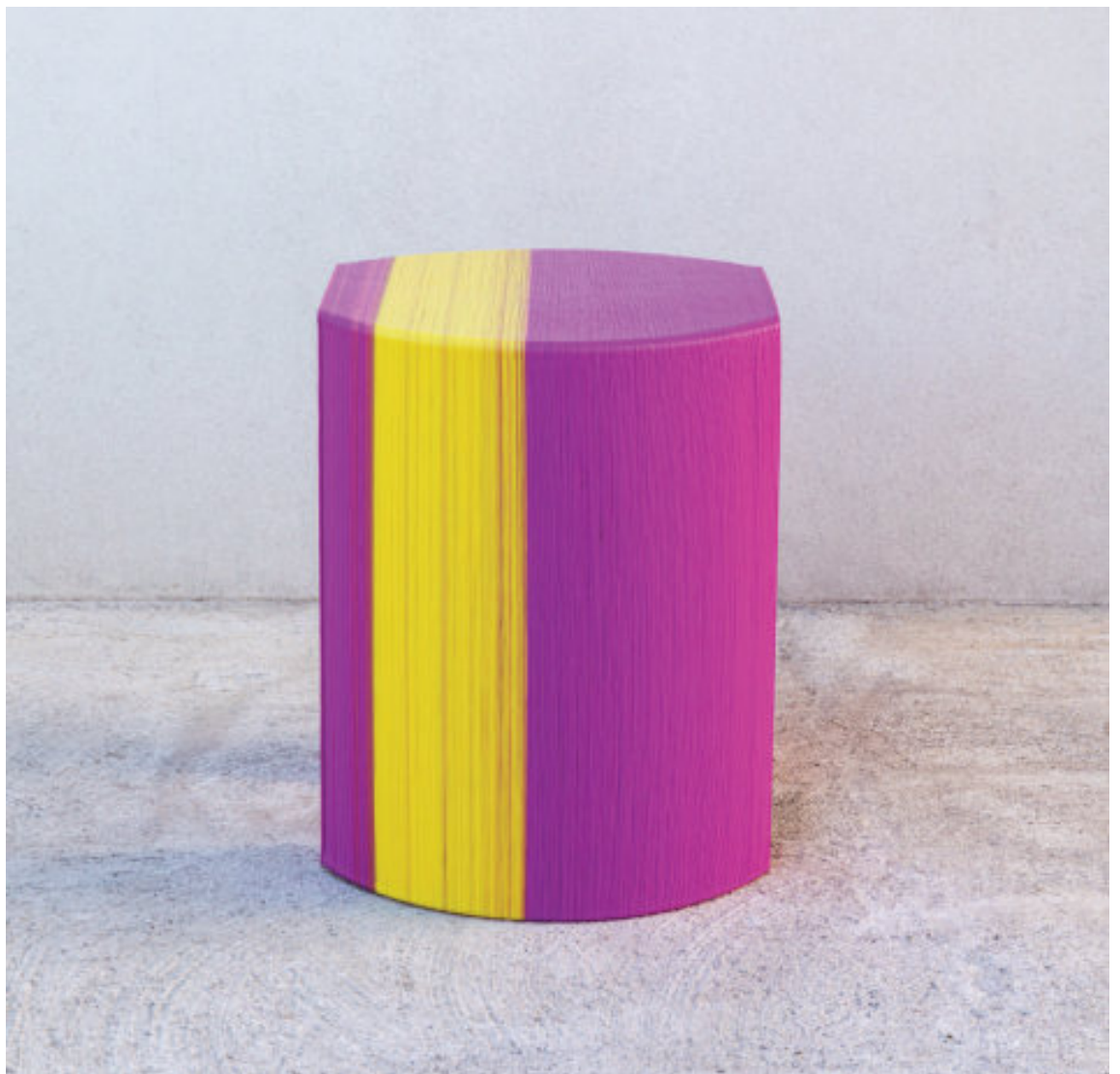
Anacapri

STOOLS

Anacapri is a multifunctional indoor & outdoor furniture product, to be used both as a stool and as a coffee table.

To break the single color is a band of another color that gives the object a vibrant and dynamic effect. **Anacapri** is, however, also available in one color.

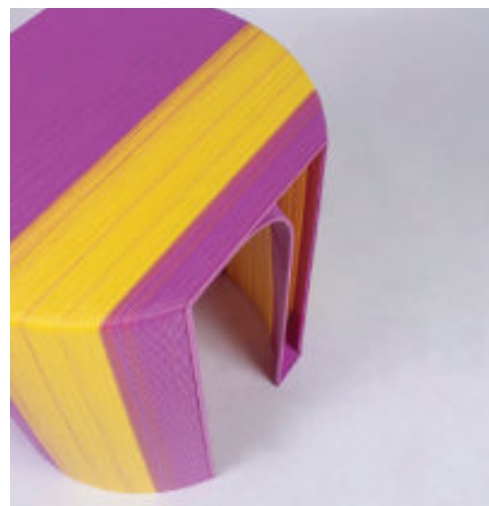
Together with armchairs, such as Capri or Pantelleria, **Anacapri** forms a perfect set for exclusive environments ensuring relaxing moments but, at the same time, a lively atmosphere.



COLOR
PURPLE-YELLOW
BLUE

DIMENSIONS
37 x 43 x 45 CM

MATERIAL
PLA
PETG



Arzachena

STOOLS

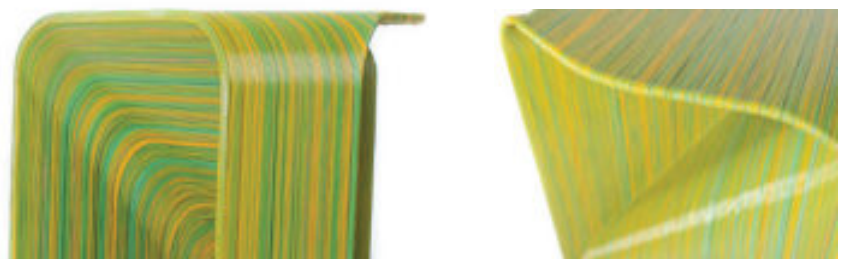
Functional and transversal, **Arzachena** presents a particular sculptural silhouette that evokes the famous rock of the Elephant beach, located in the place from which the seat takes its name, which stands out the water and stretches towards the waterline, in front of a dense and lush vegetation.

Designed in the name of practicality, the **Arzachena** stool doesn't give up a confident aesthetic that reveals its symbolic meaning in a piece of strong personality.

The seat includes two variants: the striped version and the monochromatic version.

The unique combination of streaks of color with contemporary nuances, gives a very decisive touch to this seat and, at the same time, emphasizes the pleasant spirit of a furnishing accessory with a versatile soul.

Simple, refined, light. The design of **Arzachena** stool fits into living rooms and open space of all kinds.





COLOR
GREEN

DIMENSIONS
36 x 34 x 47 CM

MATERIAL
PLA
PETG

Stromboli

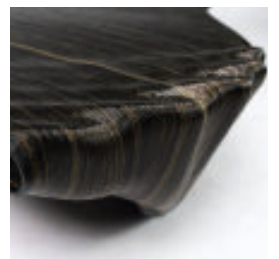
COFFEE TABLES

Stromboli was conceived as a design table that, together with the chaise short Vulcano, forms an outdoor set.

The coffee table is the result of computational design combined with digital manufacturing through 3D printing.

The outcome is a product with an innovative taste in which the interweaving of bold geometric shapes and essential lines creates a dynamic and functional atmosphere.

The outdoor living room thus becomes a fascinating space that integrates perfectly into any environment.





COLOR
BLACK-BRONZE

DIMENSIONS
95 x 87 x 33 CM

MATERIAL
PLA
PETG



Unique

Digital clay for furniture

Unique is part of the Mediterranea project, the collection of 3D printed ceramic vases that blends artisan tradition and digital innovation.

Clay is nature, the perfect element for creating both traditional forms and new and modern projects.

Ceramic vases are empathic products which express all the creativity and style while remaining in tune with the environment. Styles and finishes of these products easily adapt to different furnishing needs.

Thus, if it is true that the search for new forms is due to the designer and his ability to translate suggestions and stories into daring objects, it is also clear that the value perceived by looking at and touching a **Unique** vase, is the result of the dialogue between tradition and innovation.

We investigate the potential of design through computation. The idea is to be able to create a generation of ceramic objects, each different from the other, but all belonging to a single family.

The result is a collection of design products with a unique morphology, which come to life from the fusion of technology and the human factor in a mix of exclusive shapes.

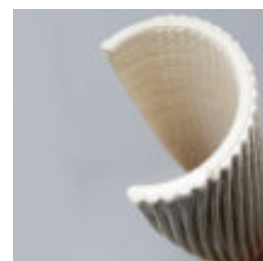
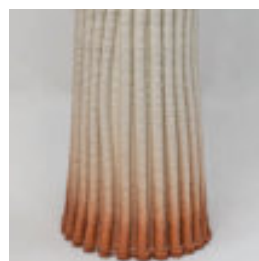
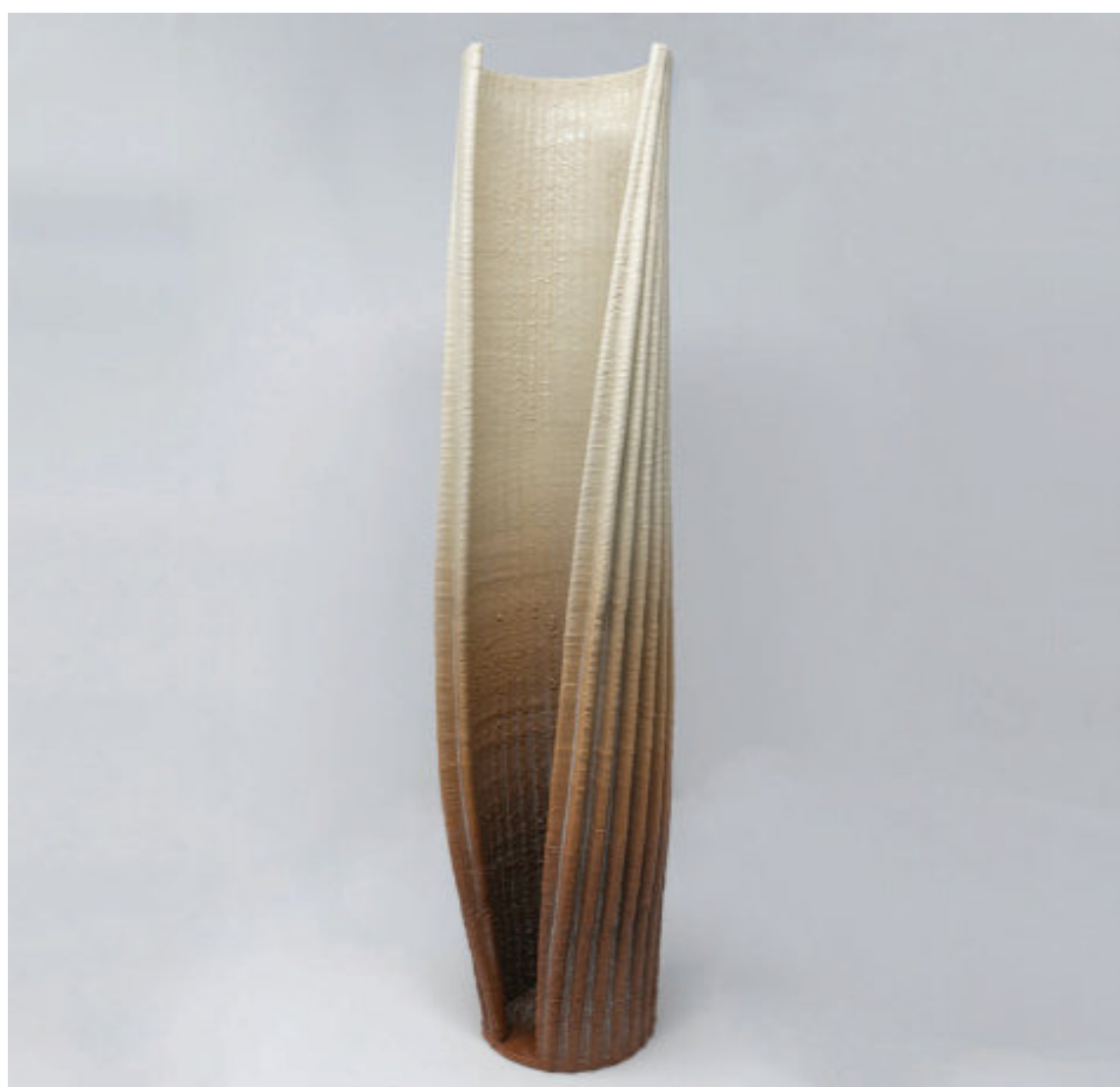
Unique vases are objects with infinite possibilities that can be used as single pieces or in groups, able to bring an artistic synthesis between nature and craftsmanship in refined environments.

Diodora

UNIQUE VASES

Sinuous shape and shades reminiscent of one of the most characteristic shells of the Mediterranean, **Diodora** is a design object that pays homage to nature and draws inspiration from the forms present on the seashore.

The 3D printed vase represents the strong and fascinating combination of traditional techniques and digital processes.





COLOR
TERRA SHADED WHITE

DIMENSIONS
DIAMETER 10 CM
AND HEIGHT 50 CM

MATERIAL
GRES AND TRANSPARENT CRYSTALLINE

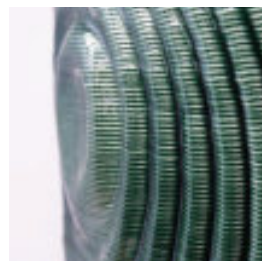
Eco

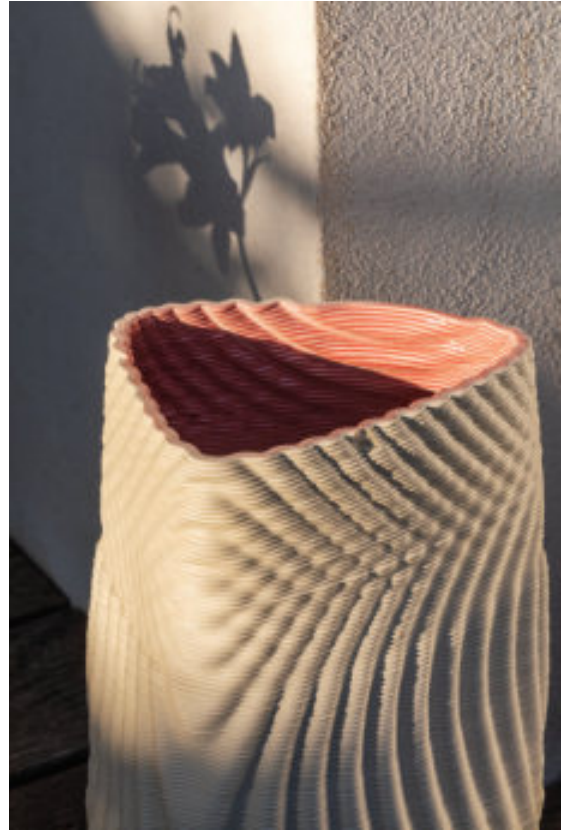
UNIQUE VASES

Like a circle of water that by dint of expanding, is lost in nothingness. Like an echo.

The **Eco** vase interprets the union between digital and analog, physical and virtual.

Computational design as a generating element of the object, clay as a material that characterizes it, employed in its creative force.





COLOR
TERRA SHADED WHITE
GREEN

DIMENSIONS
DIAMETER 8,5 CM
AND HEIGHT 29,5 CM

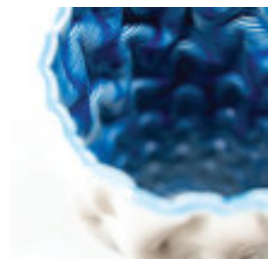
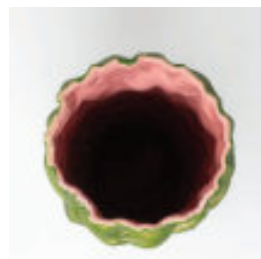
MATERIAL
GRES AND TRANSPARENT CRYSTALLINE

Fiordo

UNIQUE VASES

Inspired by an extraordinary wonder of nature, **Fiordo** interprets a better mixture of digital, classic craftsmanship, nature and design.

The shades of the colors and the different finishes, create the deep and vibrant effect which adds to the morphological particularity of the object.



COLOR
ALIGHT BLUE SHADED WHITE
GREEN AND PINK
BLACK AND GRAY

DIMENSIONS
DIAMETER 11 CM
AND HEIGHT 44 CM

MATERIAL
GRES AND TRANSPARENT CRYSTALLINE
GLAZED STONEWARE



Sinularia

UNIQUE VASES

Sinularia develops as a natural structure that moves upwards.

The entire design process of the object has been constantly accompanied by an artisan approach.

This has led to the creation of an object with unprecedented characteristics and with daring geometry.

Sinularia can be used as single pieces or flanked by other vases with different colors and scales.



COLOR
PETROLEUM

DIMENSIONS
DIAMETER 13.5 CM
AND HEIGHT 26 CM

MATERIAL
GRES STONEWARE





M E D I
T E R R A
N E A

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