

MAWJ موج

MEAN* × **nagami**

MEAN*
Middle East
Architecture
Network

MEAN* is an Innovative Architecture Practice that works at the nexus of design and emergent technologies.

We utilize cutting edge computational design processes and digital fabrication tools to leverage the quality of architectural solutions. Computer Programming, Robotics, 3D Printing, AR, VR, and CNC manufacturing are some of the technologies we use to leverage our work.

MEAN's mission is to amalgamate computation, material research and digital fabrication, to provide interdisciplinary solutions that respond to current economic, environmental and social developments.

Riyad Joucka



Riyad Joucka is an Architect, Entrepreneur and Researcher, based in Dubai.

He is the Lead Architect and founder of MEAN* 'Middle East Architecture Network'; an Innovative Architecture Practice, and the synergistic counterpart to MEAL* 'Middle East Architecture Lab'; An Experimental Design Repository.

He has gained professional experience in the Middle East and Asia as well as North America. Riyad worked in New York and Hong Kong from 2012- 2017 at the intersection of academia and practice, on complex structures, facades and building technologies, with a focused interest in design that is at the nexus of technology, material research, and computation.

Riyad earned his Master of Architecture (MArch, Distinction) at the Emergent Technologies & Design program at the AA School of Architecture in London.

nagami

Nagami is a design brand which explores the future of product design in a new technological era.

We bring 3D printing and robotic manufacturing to large scale products and objects with a wide range of customization possibilities. Research and innovation are at the core of our products, developed in collaboration with internationally renowned designers, who can challenge our technology to create groundbreaking products.

We craft every detail, from the early conception of a product, to the software that allows it to come to life, exploring new ways of creating furniture and environments which push the limits of imagination to unseen territories.





Design - Dubai

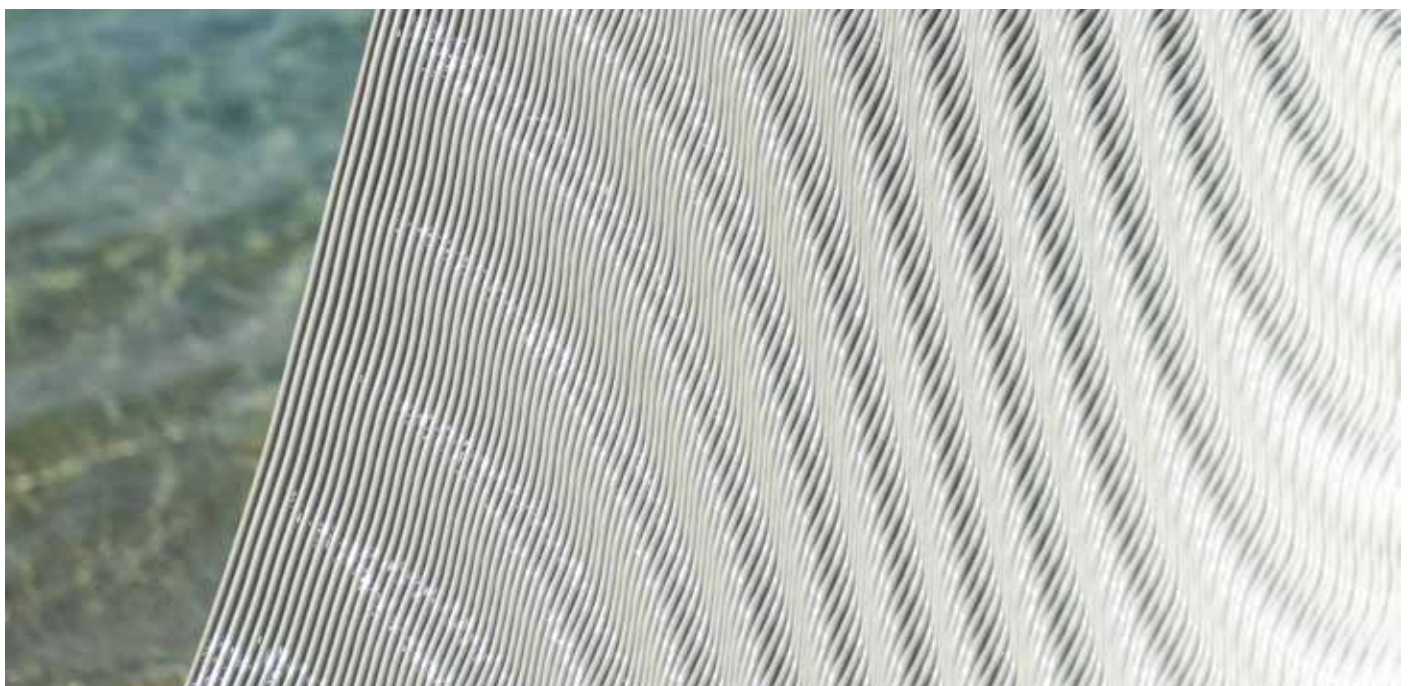
موج — Mawj is a 3D Printed Armchair designed by MEAN (Middle East Architecture Network) and made bespoke to order.

‘موج — Mawj’ The Arabic word for ‘Wave, undulate, crisp or ripple’ is a name that reflects the concept behind the design. The undulating patterns of the Aquamarine green surface is reminiscent of the waters of the Arabian Sea, at the shores of Dubai, the city where the chair was conceived.

Designed as a standalone interior design object, the chair is a statement as well as a distinctive piece of furniture. A sequence of design iterations form the shape of the chair using algorithmic design processes.

A series of lines moving in space form the layers for 3D printing in one single layer, the lines progressively form Sine curves as they wrap around the form.

موج — Mawj is a venture towards a future where minimal material is required to carefully design and shape objects into practical, lightweight, and comfortable pieces of furniture, that enrich our lives.



Manufacturing - Seville

موج — Mawj is designed in Dubai and Manufactured in Spain. The chair investigates the possibilities of robotic 3D printing for designing and producing bespoke furniture.

Manufactured by Nagami in Seville, south of Spain, the design takes shape based on a continuous form, printed on its side with a thickness of just 6 mm, using advanced plastic polymers.

The polymer pellets are heated by the robotic arm which extrudes the form of the chair in layers.

On every other layer, the curve inverts to a negative value, generating a weaving pattern that makes larger rippling undulations on the surface.

The pattern aids in the structural stiffness, as well as creating a unique aesthetic feature, which naturally emerges as the result of the parametric modeling of the chair. Following a series of prototypes, careful attention to small details in the making of the chair develops the outcome.

The pattern fades out towards the edges and intensifies at the top, avoiding areas where the back would rest. The pattern continuously wraps around the billowing surface, doubly curved for structural stability.

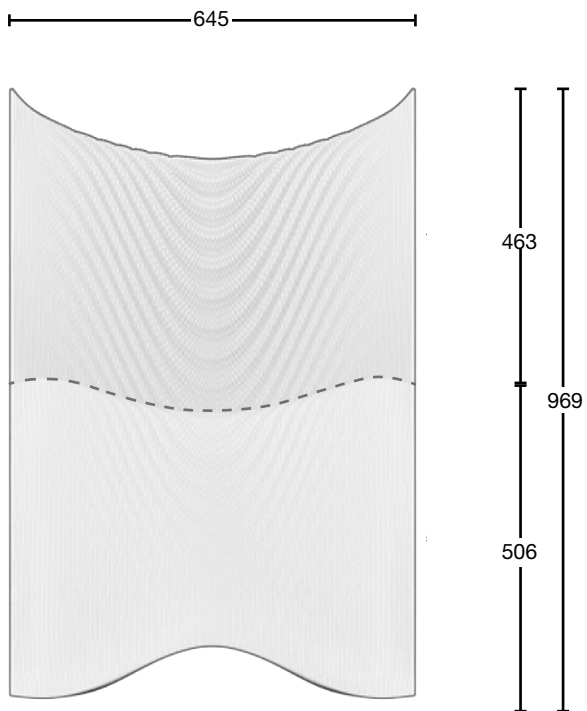


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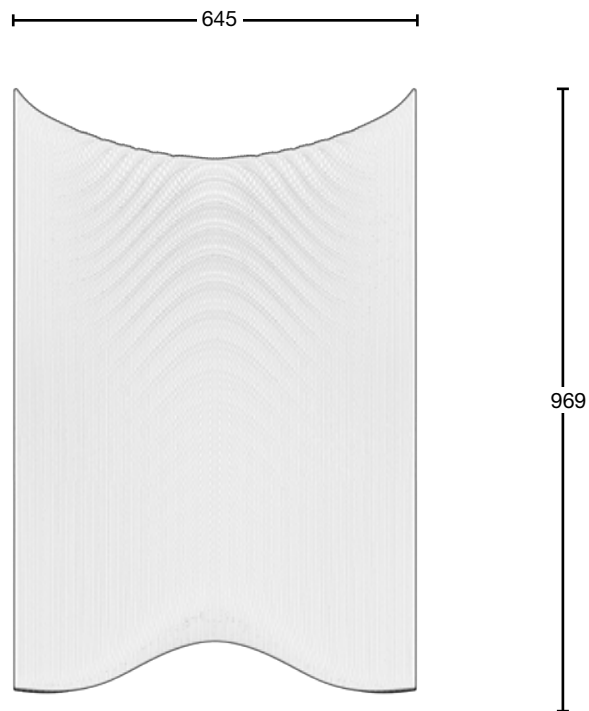


Technical Drawings

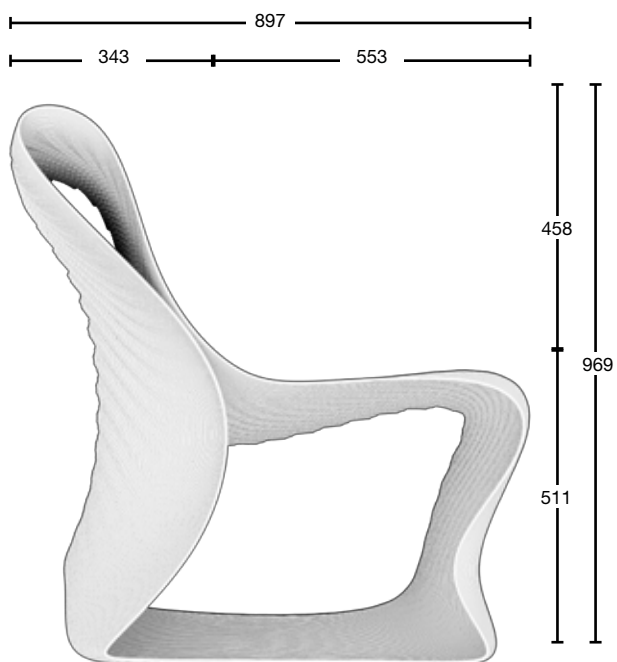
Front



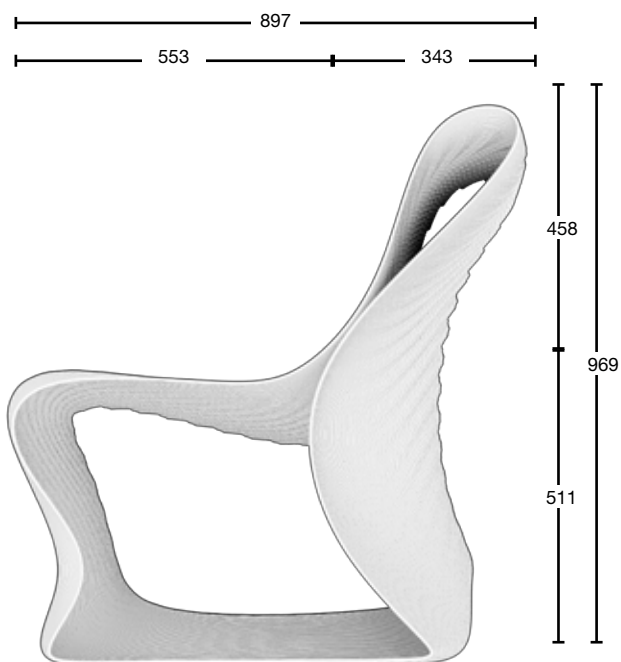
Back



Left



Right



Specification Sheet



Photo : © Luis Philipe 2020

COLORS

Base Colors
Classic Aquamarine
Gradient

WEIGHT

39,7lb / 18kg

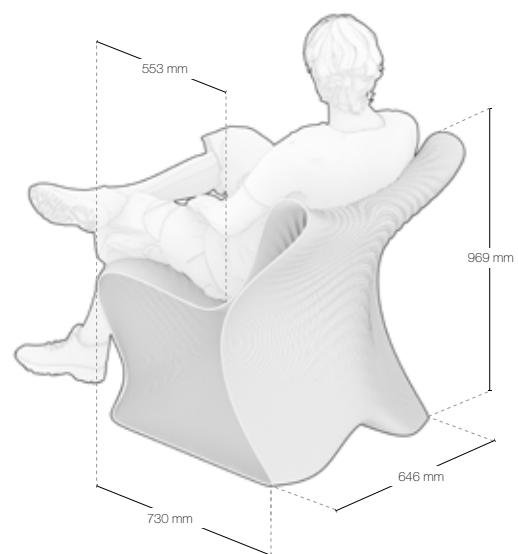
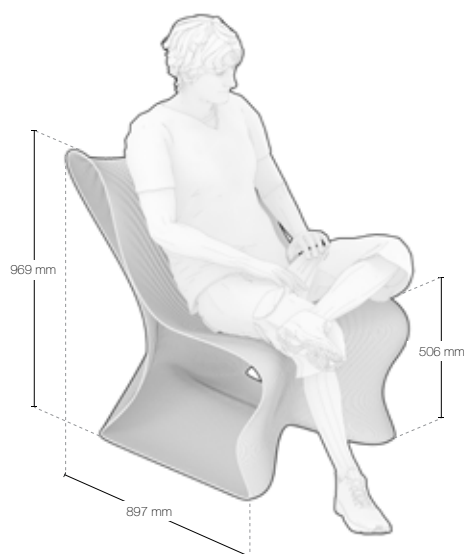
BOX VOLUME

23,66 cft / 0,67 sqm

MATERIALS

Recycled PETG Polymer*

DIMENSIONS



* Most of our products are made of recycled PETG and are suitable for outdoor use. PETG is recognized as a safe, non-toxic, durable and 100% recyclable material. However, please note that prolonged exposure to sunlight may cause discoloration.





Base Colors - Black

UAE - 8,000 AED + Shipping
Europe - 2,130 EURO + Shipping
USA - 2,180 USD + Shipping

All chairs are prepared bespoke, and per order.
Chairs are shipped from Spain, shipping prices calculated upon inquiry.



Base Colors

UAE - 8,000 AED + Shipping

Europe - 2,130 EURO + Shipping

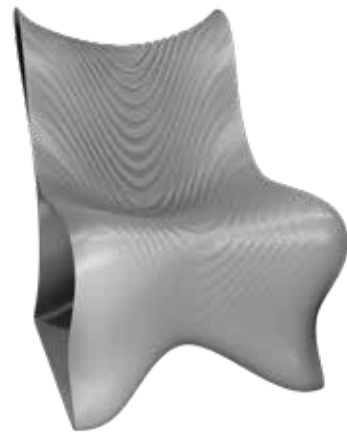
USA - 2,180 USD + Shipping

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White



Gray



Black

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Classic Aquamarine

UAE - 9,999 AED + Shipping
Europe - 2,666 EURO + Shipping
USA - 2,725 USD + Shipping

All chairs are prepared bespoke, and per order.
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Transparent

UAE - 10,999 AED + Shipping
Europe - 2,930 EURO + Shipping
USA - 2,995 USD + Shipping

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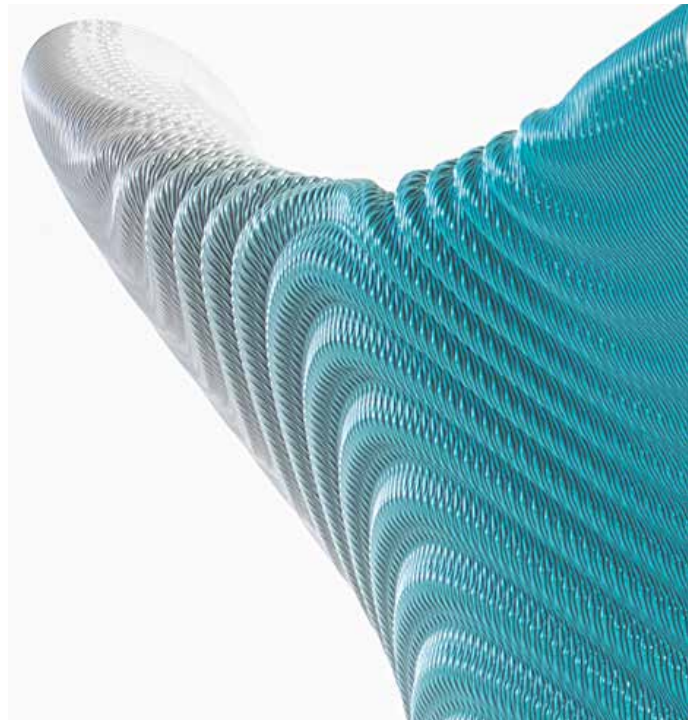


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Gradient Colors - Aquamarine to Grey

UAE - 11,200 AED + Shipping
Europe - 2,990 EURO + Shipping
USA - 3,050 USD + Shipping

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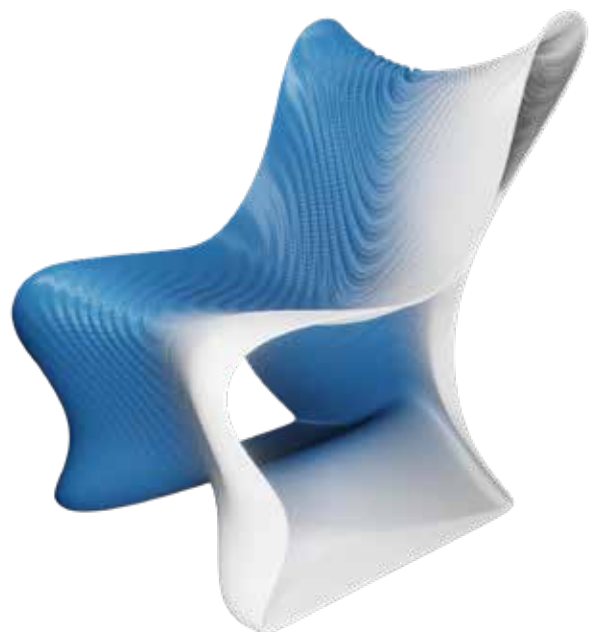
Gradient Colors

UAE - 11,200 AED + Shipping
Europe - 2,990 EURO + Shipping
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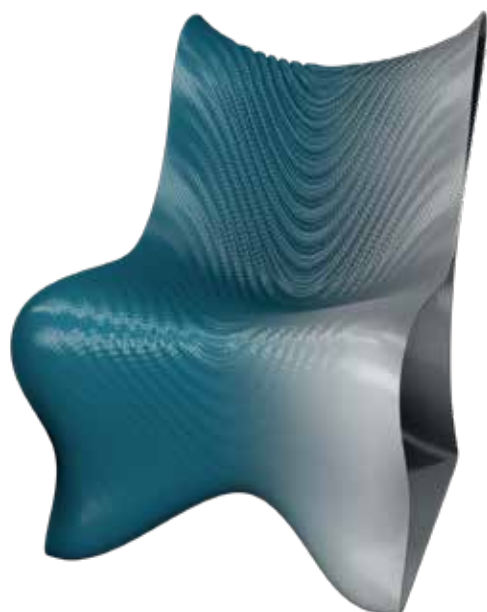
Sea Green to Light Yellow



Blue to White



Aquamarine to White

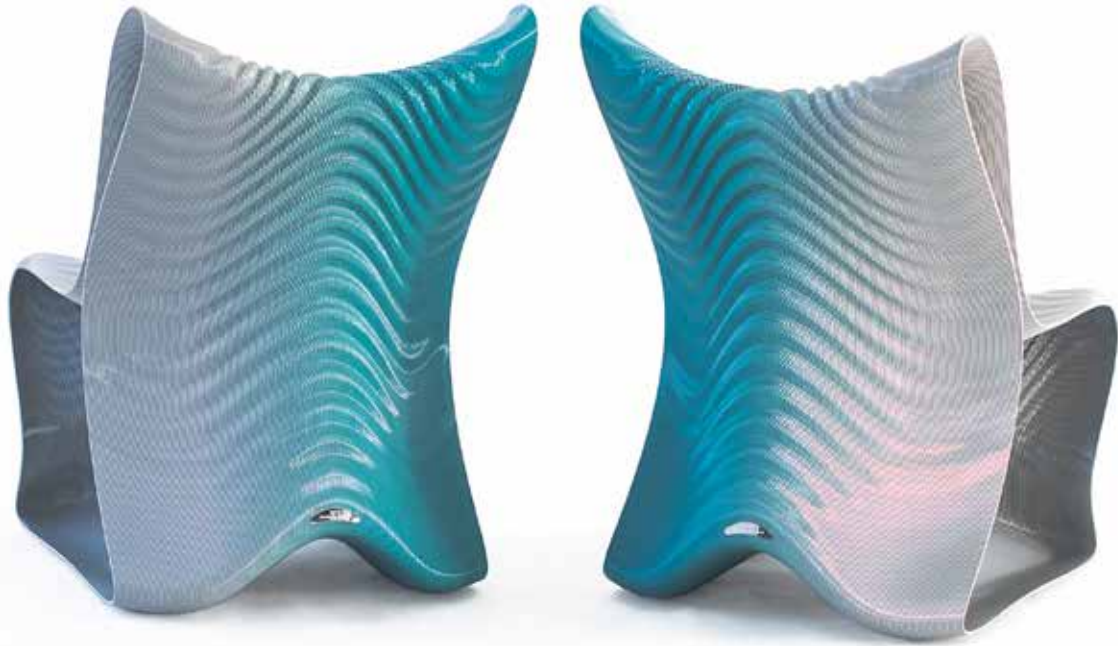


Aquamarine to Gray

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Gradient Direction

Contact us for bespoke design of the chair color for gradient direction.



Product Care

Your MAWJ Chair will have many years of performance with regular care. To maintain the finish quality of your product, please follow the cleaning procedures provided below.

Most of our products are made of plastic, recycled PETG or PLA. For normal cleaning of the plastic surfaces, use a soft scrub brush (no metallic) to remove dirt particles between the lines and then wash with a microfiber cloth (or other lint-free cloth) and water. If heavier cleaning is required, use a mild soap along with the cloth and water. DO NOT use solvents or abrasive cleaners. After cleaning, rinse with warm water and dry with a soft cloth.

The products made of PETG can be used outdoor, even for more than casual use, but they are designed mainly for indoor use. Please note that prolonged exposure to sunlight may cause discoloration. Long-term storage should be out of harsh outdoor conditions. Such attention will result in your products looking as good as the first day.

Outdoor use of products made in PLA is not recommended. Please check the material of your object if it is going to be used outdoor.



Terms and Conditions

Purchasing Process

Please note that the Mawj Chair is bespoke and made to order. We require at least a 3 week lead time for each order.

You can order our products by emailing sales@m-e-a-n.design. All you have to do is choose colour, the number of items and the country you want us to send Mawj Chair. We will prepare an invoice for you specifically.

Once the payment is confirmed, you will receive a confirmation email. Remember to check your spam folder. If you do not find it, contact sales@m-e-a-n.design, we will send you a new confirmation email.

Delivery Process

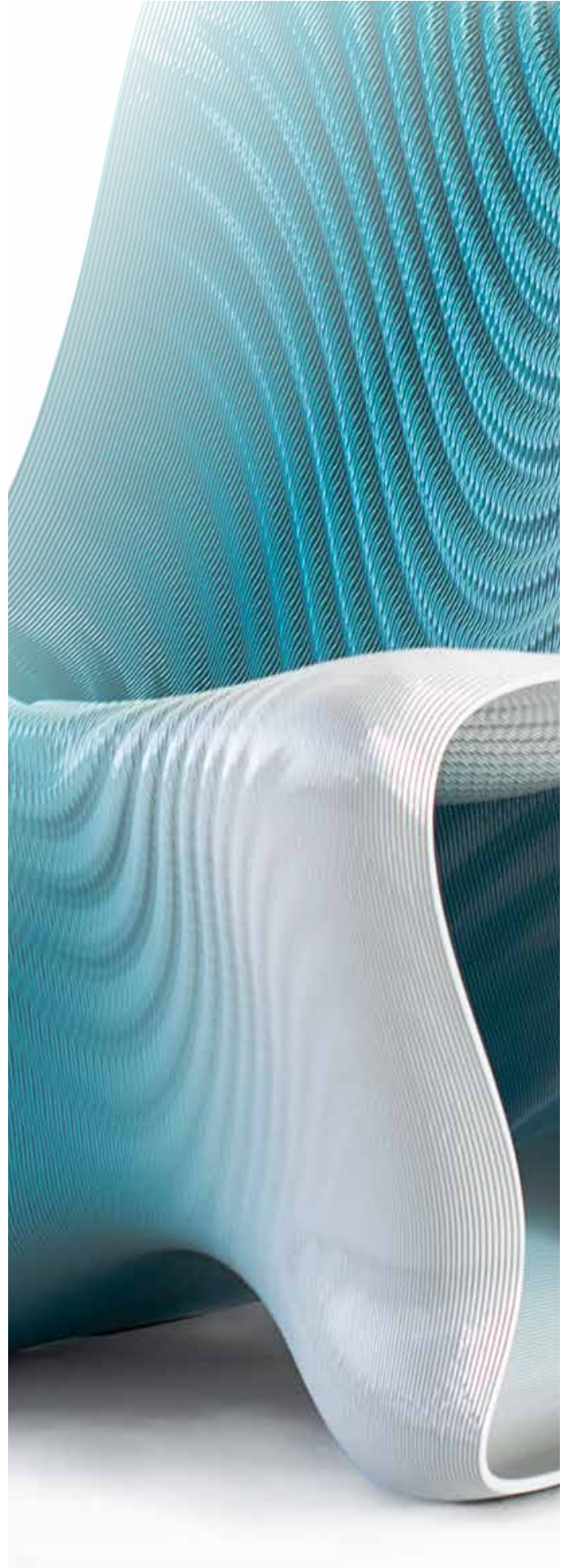
When you order the Mawj Chair we will specially manufacture it/them for you. They will be unique pieces. We will try to produce your order as soon as possible and will keep you informed.

Delivery Costs

We would like to offer our products with the delivery costs included, but, depending on your geographical area, you might be paying extra costs for it. For international customers, there may be additional customs charges and other fees that would be charged by the local authorities at the destination. Unfortunately, we have no control over such additional costs. If you have any questions, please contact your local tax office.

Warranty

The warranty is valid and covers only manufacturing defects. The warranty may not apply to orders through third parties. The warranty is not transferable. It is only valid for the original buyer with valid proof of purchase. We must receive your written warranty request within 2 years from the date of delivery. The products must have been used only for their intended purpose and must never have been subject to abuse, accidental damage or other abnormal use, including but not limited to cuts, burns, stains, dirt, liquid damage or improper installation.



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