

The Ocean Collection

by Jørgen & Nanna Ditzel

mater

About Mater

Our mission is clear; we want to change the perception of what good design is — creating a meaningful future and pushing the boundaries of sustainability and aesthetics — caring for Mother Earth and our next generations. We continue to innovate on production methods to secure an environmentally friendly way of upcycling waste material into furniture design, creating a better impact while making durable design.

Mater was founded with the ambition to change the way people think of furniture.

By inspiring consumer behavior and engaging people into sustainable thinking, we strive to reduce our footprint on the planet, without making any compromises with regard to the design and quality of our furniture.

We align our sustainable mission with the United Nations Sustainable Development Goals — a framework agreed by 193 nations, organized in 17 Sustainable Development Goals to improve our environmental impact and living conditions.

The Ocean Collection

The Ocean Collection is a reimagined table and chair collection (originally designed in 1955) in ocean plastic waste, combining innovative solutions to prevent pollution of the world's oceans - with one of the 20th century's most renowned designers, Nanna Ditzel. The collection is characterized by its light structure with repeated slats and metal frames, made and tested for outdoor use.

Created for disassembly, the design allows each component in its purest form to recycle into new production circles up to 3 times with an additional material lifespan for 15-30 years. The collection is part of our journey and commitment to the circular design and production thinking. The ocean plastic waste and recycled post industrial plastic waste (PP) processed in Denmark honours the UN Sustainable Development Goals of supporting:



The full Ocean collection:

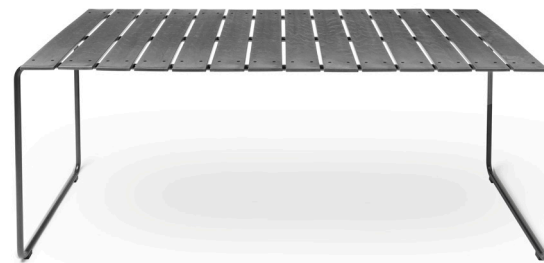
Available in two colors, Black and Concrete Green.



Ocean Chair



Ocean Table 2 pers.



Ocean Table 4 pers.

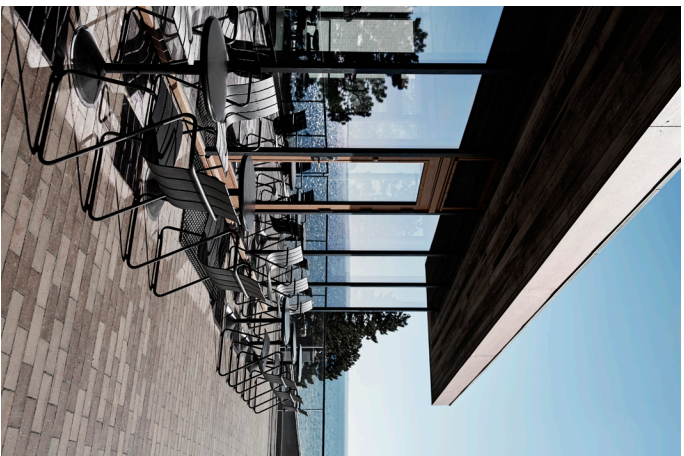
An original design from 1955

Originally produced by Kolds Savværk until the late 1950s, the chair and two tables were first designed for the Ditzels' personal use. The original design from 1955 was steel framed and timber veneer pieces.

The reissues have been scaled up by five per cent to accommodate modern proportions, but otherwise their form remains identical. The simple shapes and lightness epitomise the Ditzels' design sensibility, which was at once precise, practical and playful.



Jørgen & Nanna Ditzel, 1950



*A reissue of a 1955 Ditzel design —
Danish design legacy reimaged in
ocean plastic waste.*

Waste with value

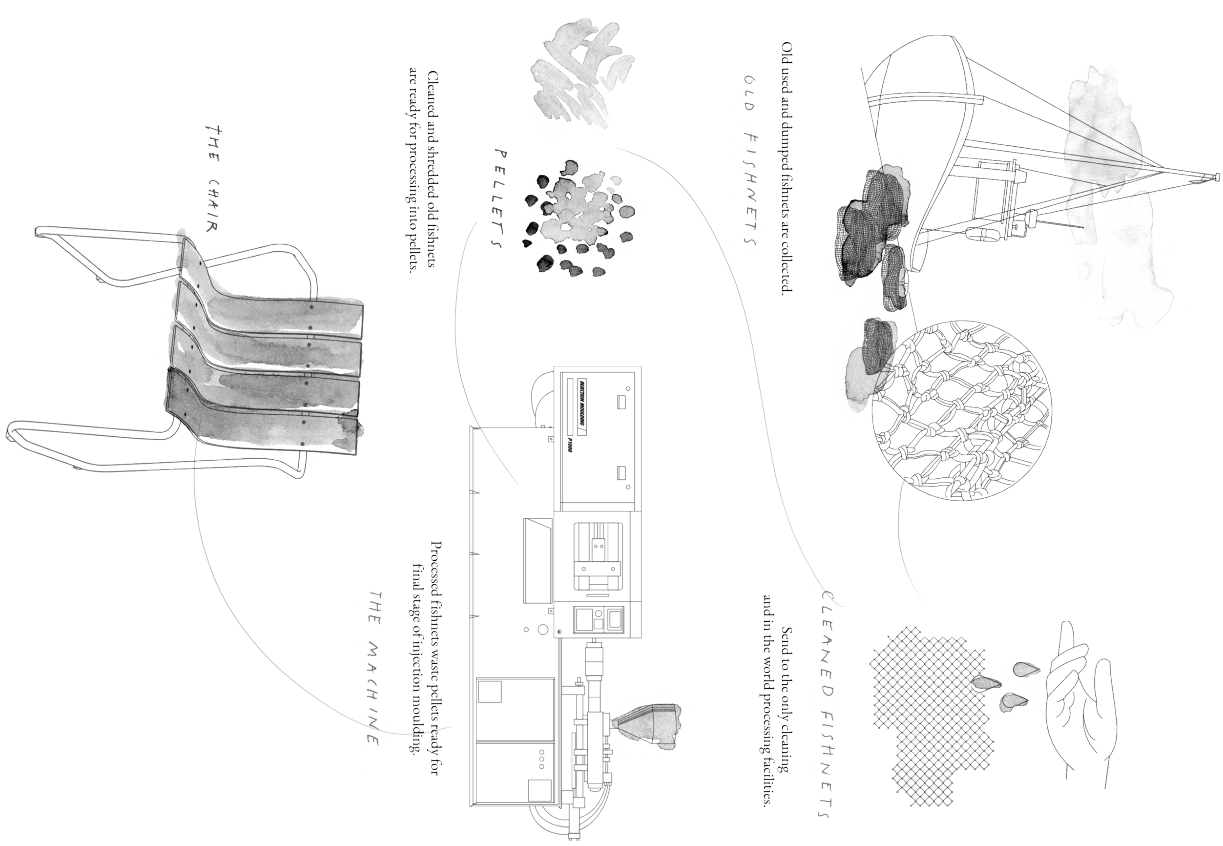
We are facing a global recycling crisis with plastic waste filling the oceans, being burnt or dumped carelessly on land and blown or washed into the sea. Partnering with two of the leading companies within plastic waste processing, Mater discovered new production methods within circular furniture design. In collaboration with the two pioneers, Mater created the Ocean Collection from discarded fishnets and post industrial plastic from Denmark – composed and processed into a unique blend and finish.

The Danish cleantech company Plastix is one of the only mechanical recycling utilities in the world; they transform an extensive disposal problem of marine pollutants – discarded fishnets, trawls, ropes and other post-use plastic waste fractions – into valuable recycled plastic raw materials, “Green Plastics”. Before transforming into the recycled pearls of Green Plastics, the fishnets are carefully sorted, analysed and cleaned before transformed into pellets. The Green Plastics are later liquified and injected into a mould, making the flexible slats creating the comfortable seating experience.

In close cooperation with Letbek, Mater has developed SeaPlast40 compound where the key component is Oceanix. Compounded with selected recycled plastics from Denmark, it both adds value to the design and the “touch” of the Ocean range.

Letbek is known for their circular approach to all new projects and is constantly working on finding sustainable solutions in cooperation with their customers.

The Ocean Collection



A Sustainable Success

At this point only a short period after the launch, the Ocean Collection has already removed 3 tons of plastic ocean waste and additional 3 tons of PP recycled plastic. As the first company ever to introduce an iconic design piece using ocean waste, Mater was honored with the Wallpaper* Magazine Design Award this year for introducing a chair that solely removes 1900 grams of waste where 960 grams is ocean plastic waste. This addresses a key global goal to “preserve life below water” (SDG 14) through product design and material innovation.

The Ocean Collection was nearly sold out minutes after it went on the market as it caught the attention of the press worldwide being featured repeatedly in various newspapers and prominent interior magazines all over the world. The Ocean Collection is designed for disassembly and can be recycled up to 3 times, extending material lifecycle radically.

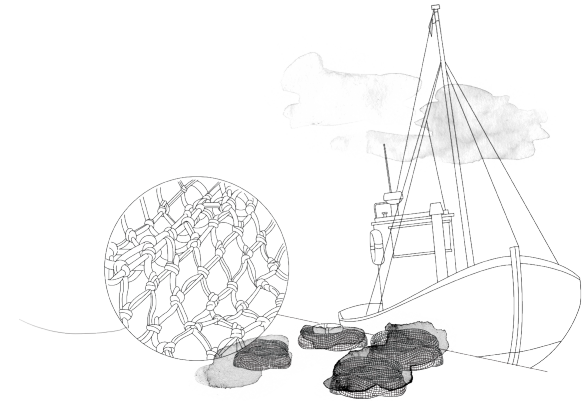
A great example of how Mater continue to explore danish developed waste management technology and production methods in order to turn waste into value and take an ethical and circular approach to furniture design without compromising on aesthetics.

“If we can create a product that is attractive, functional and durable, while cleaning up after the side effects of our collective consumerism, it’s a win-win”

– Henrik Marstrand, CEO at Mater A/S

5.3 million tonnes (Mt) of macroplastics are annually lost to the environment, of which 0.6 million tonnes (Mt) (i.e. 11%) are estimated to be due to loss of fish nets and other fishing related activities, which is considered as a major source of loss.

Fish nets rank 3rd in having the highest severe expected impact across birds, turtles and marine mammals, due to entanglement. This further highlights the importance of our mission in preventing exactly this waste stream of fishnets from ending our oceans.



Ocean Collection in numbers

- One single Ocean Chair removes approximately 1.900 grams discarded fishnets and Danish post industrial plastic waste
- One 2 pers. Ocean table removes approximately 2.400 grams ocean plastic waste and Danish post industrial plastic waste
- One 4 pers. Ocean table removes approximately 3.344 grams ocean plastic waste and Danish post industrial plastic waste

Estimated impact from February 2019 – December 2019

- Plastic waste removed with the Ocean Chairs: 5,7 tons
- Plastic waste removed with the 2 person Ocean Tables: 720 kilo
- Plastic waste removed with the 4 person Ocean Tables: 669 kilo

By the end of the year, Mater has removed 7,1 tons of plastic waste

Reduction of Co2 emissions

1 kilo of recycled plastics raw material saves some 1.7 kilos of CO2.

One single Ocean Chair saves 1.6 kilos CO2 emissions savings compared to virgin equivalents

Demonstrating a CO2 emissions saving up to 82%

In 2025, Mater has removed 100 tons polluting ocean plastic waste and Danish post industrial plastic waste from the earth and the ocean.

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Considering the planet, its resources and its people.