

ObJeCt-Bay by recycled plastic

Height	880mm.
Longth	1000mm.
Width	855mm.
Sitting height	400mm.
Different gray colours	

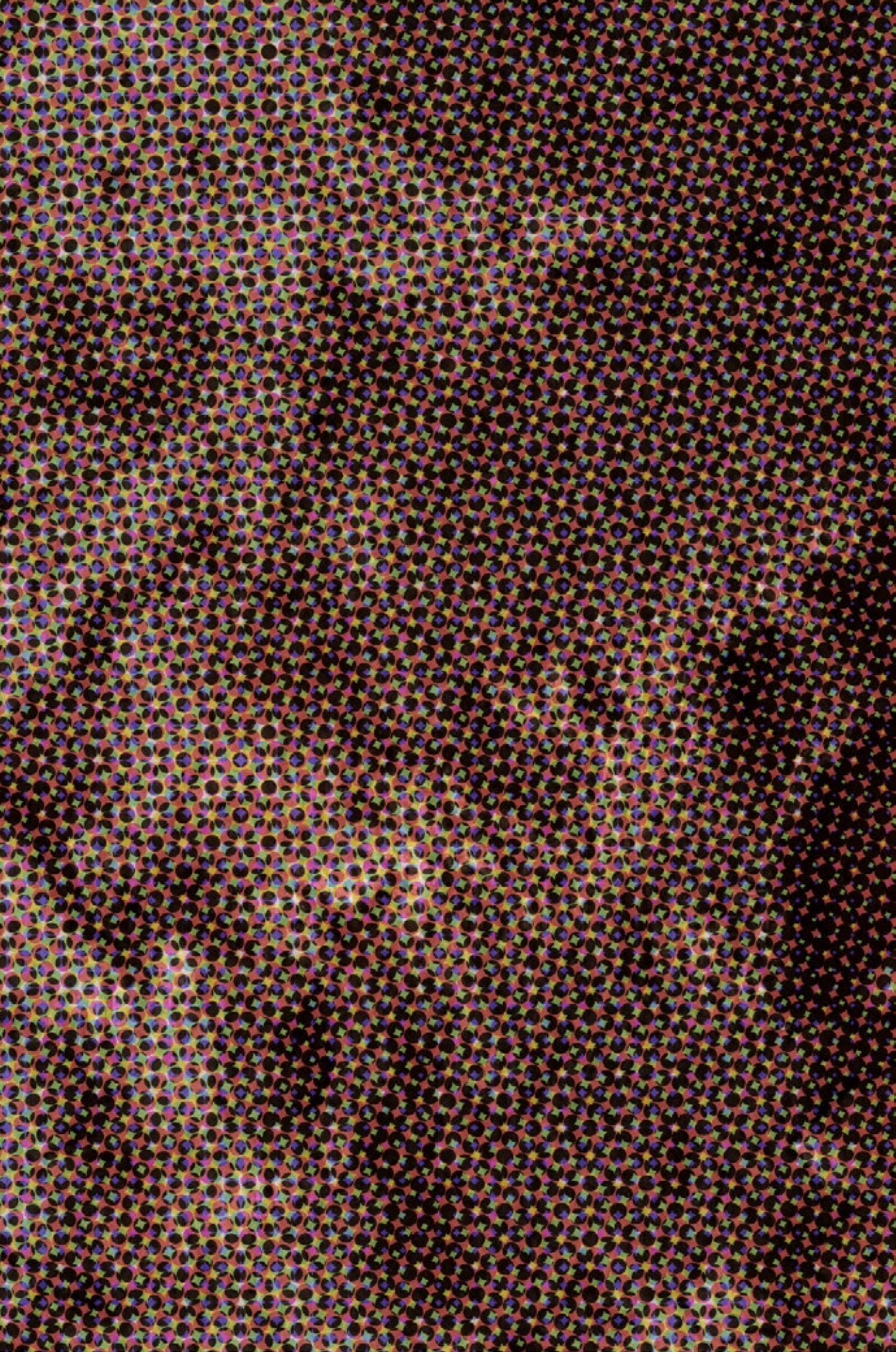
ObJeCt by So Studio

So Studio

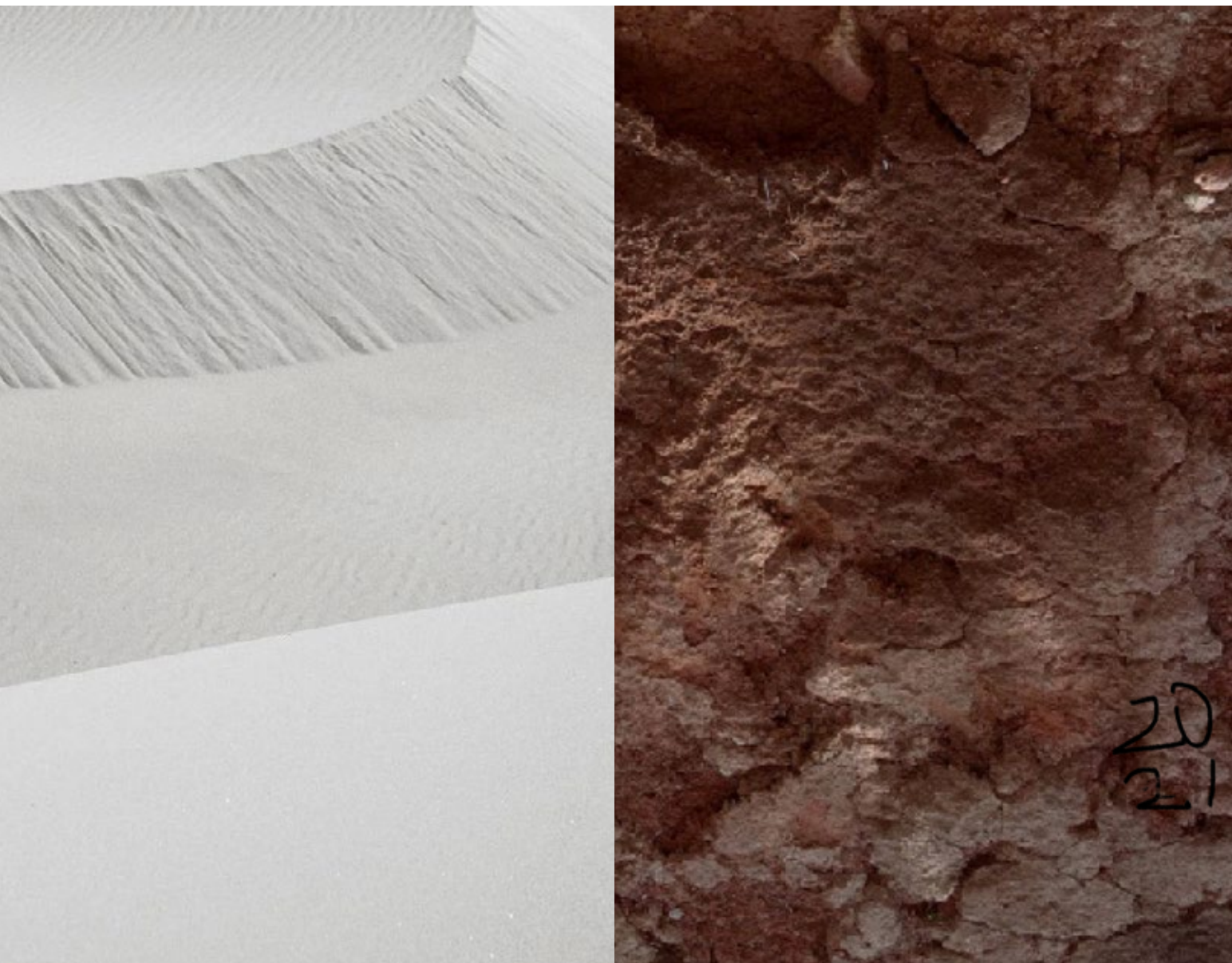
PP (polypropylene) and PE (polyethylene) plastics

2021



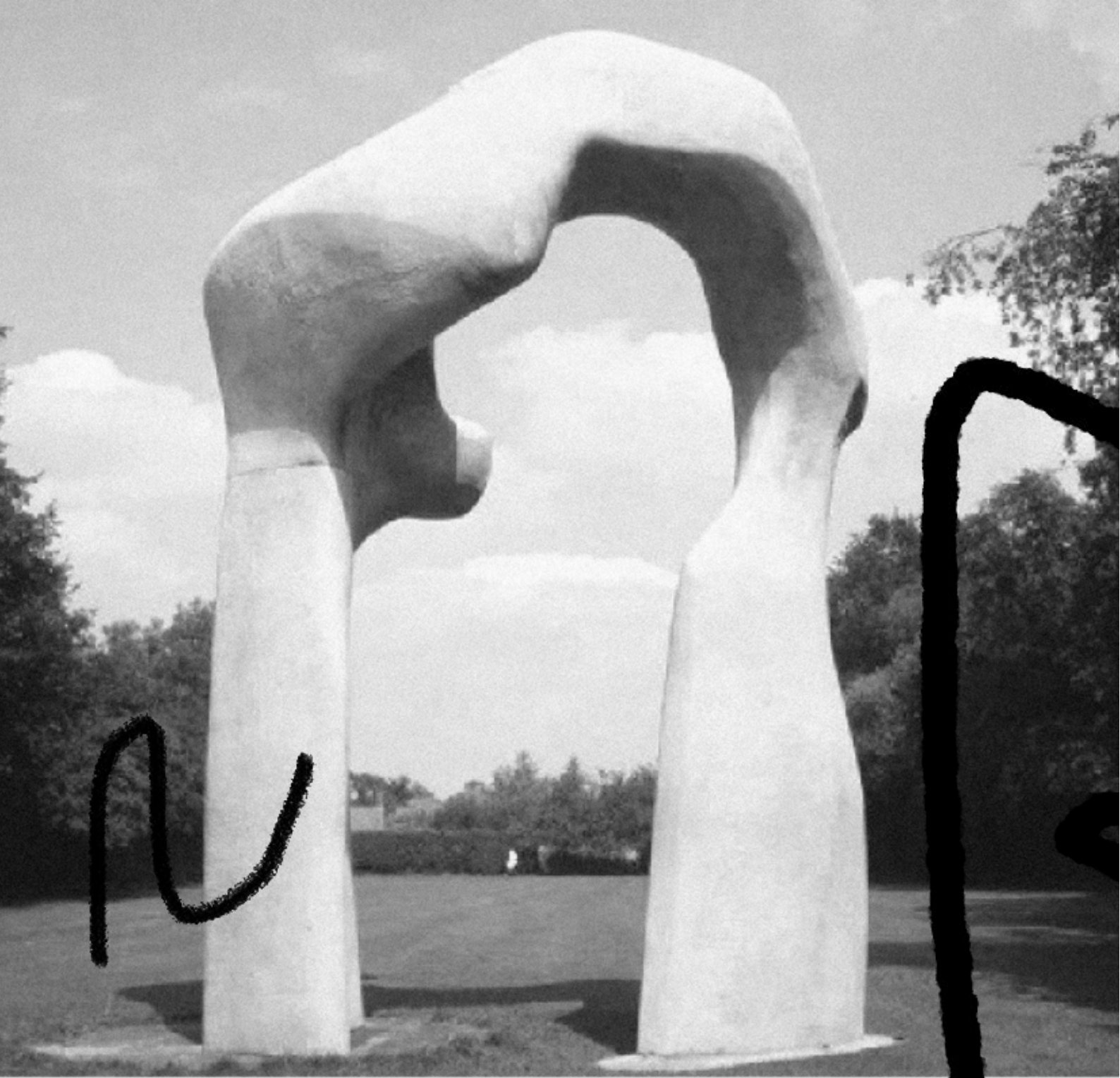


PART 1 celebration of earth



Sò Studio 设计的 Bay 系列座椅，是我们选用回收的聚乙烯（PE）和聚丙烯（PP）制作而成的环保座椅。原材料有着接近纯白的原色，设计上整个椅子的外观就像是从土地中“捏”出来的样子，如扎根于地表内的泥土一般，有着纯净、原始和生态自然之感，以此为意，呈现大地之初的纯净模样，表达对土地的赞美（celebration of earth）。

Bay collection designed by Sò Studio are environmentally friendly chair made of recycled polyethylene (PE) and polypropylene (PP). The raw materials encompass a primary color close to pure white, which led to the appearance of the chair like "pinched" from the land, like the soil rooted in the earth with a sense of purity, primitiveness and natural feeling, presenting the pure appearance of the earth and expressing our celebration of earth.

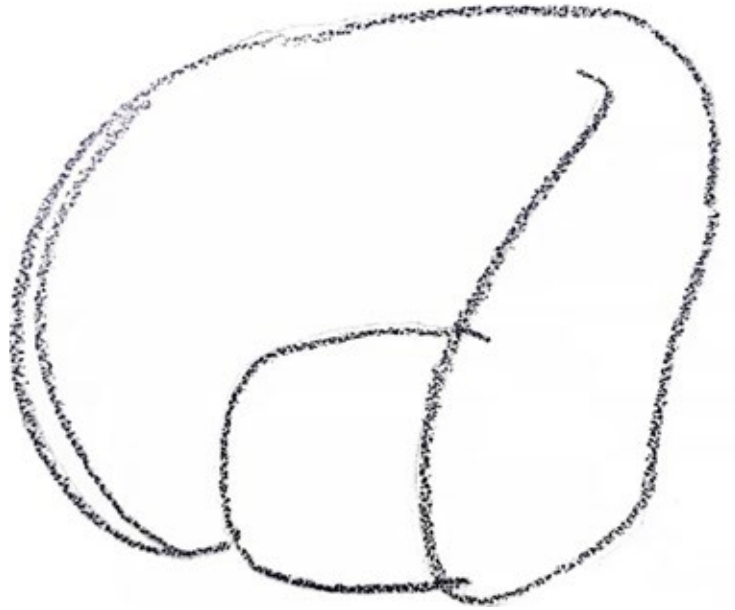


同时，我们从一直很喜爱的雕塑艺术家 Henry Moore 的雕塑作品中获得灵感，以雕塑语言塑造椅子环抱围合的曲线、外形，赋予 Bay 像拥抱般的温暖寓意。

At the same time, we get inspiration from the sculpture works of Henry Moore, and use the sculpture language to shape the curve and shape of the chair and give bay a warm meaning like a hug.



Sculpture language



celebration of earth
ObJeCt by sò studio



bay



在可持续性的考虑上，我们希望通过回收塑料的二次利用，将日常生活中随处可见的材料，以一种全新的方式重新融入到人们的日常生活中，赋予材料本身“第二次生命”。

In consideration of sustainability, we aspire to present the material with “a second life” by re-integrating the plastics, easily found everywhere, into people’s daily life in a new way and form.





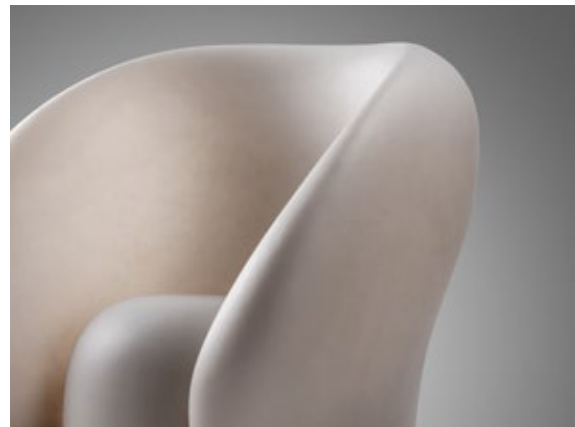
最终通过对接近 50% 比例的 PP（聚丙烯）和 PE（聚乙烯）塑料的回收、调试，把不同形态的材料重新造粒，倒入模具中制成全新环保座椅 Bay，实现“形态重赋、持续再造”的目的。同时，我们保留了制作过程中的痕迹，触感上椅子表面带有颗粒质感，没有非常光滑，为了呈现出椅子表层独特的大地、沙粒质感。

In the end, we narrowed down to the proportion of nearly 50% of PP and PE. By putting together different plastic leftovers and re-molding to produce the BAY Chair, we aim to make a brand-new, environment-friendly chair to realize certain kind of re-forming in a sustainable way. Meanwhile, we hope to continue to do what we love through product design, constantly challenge and redefine the use of recycle materials in design.



设计之初，我们结合椅子的特性，使 BAY 系列座椅也适用于公共活动、户外装置，丰富其功能性、公共性。

Initially, our idea is to make BAY chair also suitable for public activities and outdoor installations, enriching its functionality and publicity.







一直以来，Sò Studio 对多元化、跨学科的设计有着相同的、起源于日常生活思考的研究。我们经常从手边、日常不被使用的材料着手，应用至各种类型、尺度的设计项目里，同时，通过对材料的研究，持续做一些材料处理上的全新挑战，也不断挑战环保材料座椅的各类形式，重新定义环保材料在设计作品中的使用。

Sò studio has the same research-based approach on interdisciplinary design, which originates from our immediate surroundings. We often apply materials that are not often used to different types and scales of projects. At the same time, through the research on materials, we continue to make new challenges towards material processing, in this case, constantly challenging different types of chairs and redefining the use of recycle materials in design.

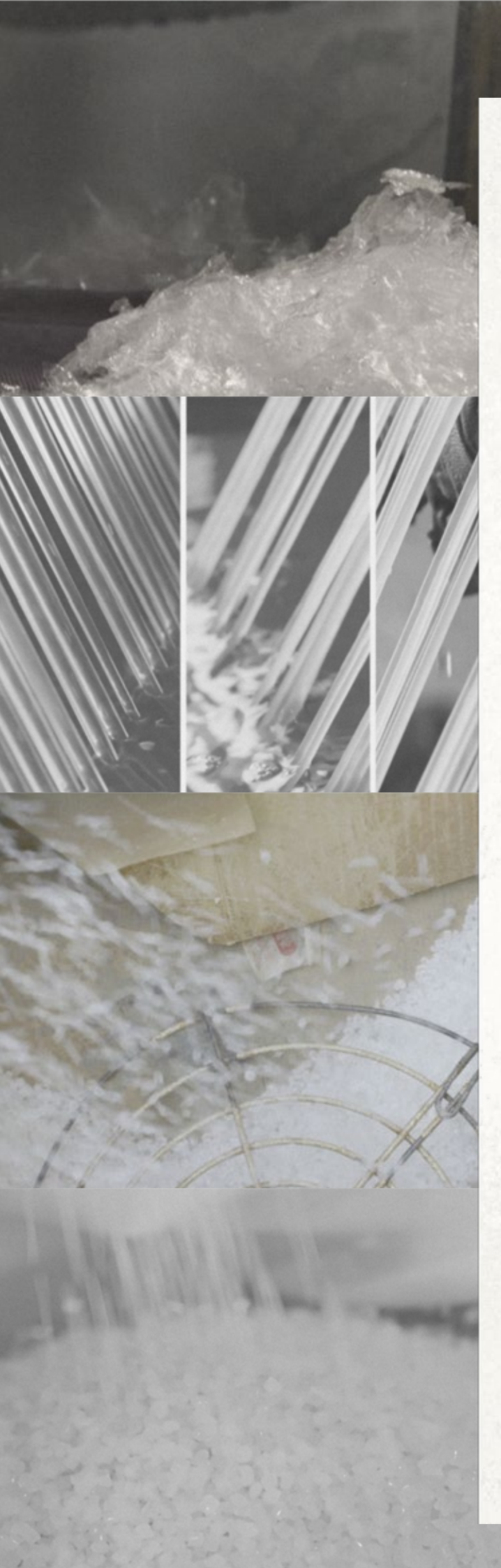




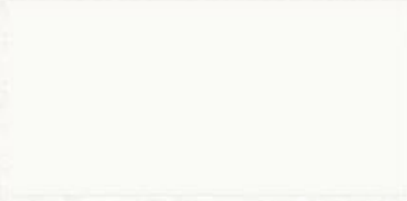
so studio

bay

PART 2 the manufacture process of Bay Chair



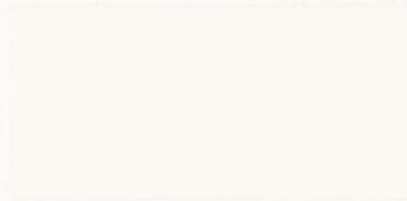
001 YINBAI



002 HUFEN



003 YUDUBAI



004 XIANGYABAI



005 QIANSHIBAI



006 HANBAIYU

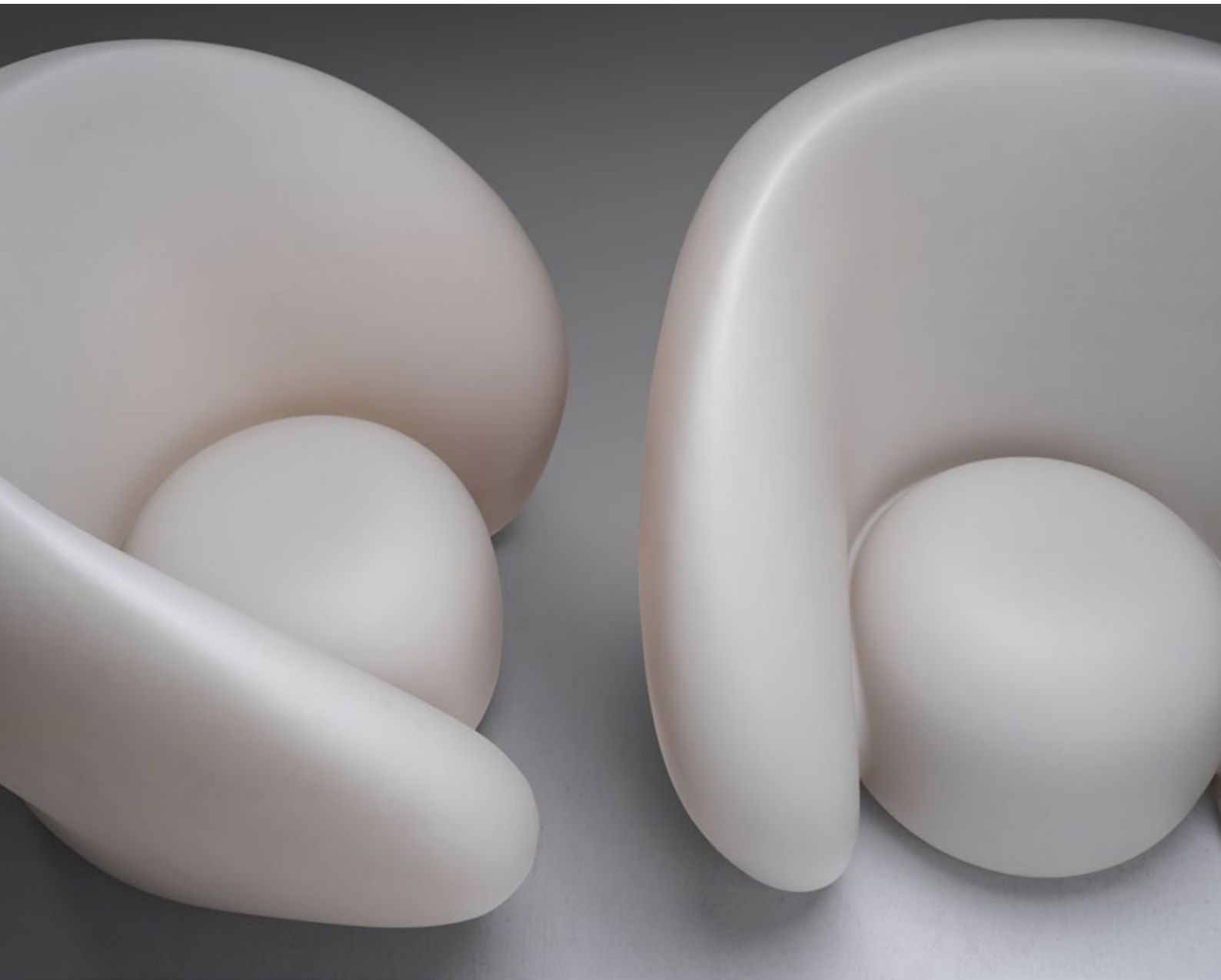
Step 1 – 重新造粒 re-granulation

BAY 系列座椅采用的 PP（聚丙烯）和 PE（聚乙烯），这类回收塑料以薄膜为主，伴随着不规则堆叠的形态，制作过程中，我们选择把薄膜重新造粒，一方面提高有效利用率，另一方面便于储存。Bay collection are made of PP (polypropylene) and PE (polyethylene), of which is mainly in film, accompanied by irregular stacking. During the making process, we chose to pelletize the film to improve the effective utilization rate and for easy storage.

Step 2 - 模具制作 mold making

第一次是 3d 雕刻做出一个泡沫模，人工力学测试，进行比例、细节以及弧度的反复调试，各方面形态和细节确定后，制作团队铸造金属模具，进行可持续化生产，保证质量稳定的同时，确保不是概念化的一次性产品。

A foam mold was made by 3D engraving at the very beginning through the carry out of manual mechanical test and the proportions, details and radians were repeatedly debugged. After the shapes and details of all aspects were determined, we cast the metal mold for sustainable production to ensure that the quality was stable and that it was not a conceptual product.





Step 3 – 工艺细节 craft details

我们本次采用的制作工艺——滚塑成型，是一种把热塑性塑料原料加入模具，加热同时围绕垂直轴进行“自转”和“公转”中空成型的方法。在重力和热能作用下，被熔融的塑料均匀涂布、粘附在模具内壁，再经过冷却定型。滚塑工艺出来产品的边界，是需要轻微打磨的，主要是模具交界的位置，我们想保持其圆润，柔和，呈现出温暖的气息。

The manufacturing process we adopted this time is rotational molding, a method of adding thermoplastic raw materials into the mold, heating, "rotating" and "revolving" hollow molding around the vertical axis. Under the action of gravity and heat energy, the melted plastic is uniformly coated and adhered to the inner wall of the mold, and then cooled. The boundary of the products produced by the rotational molding process needs to be slightly polished, mainly at the junction of the molds. In the end, a sense of round, soft and warm comes live on the chair.

BAY

ObJeCt
by Sò Studio

innovation
creativity
functionality
sustainability
inclusivity



此外，因为生产过程中，我们没有添加任何颜色，都是材料本身的颜色，所以会留有一些原生的痕迹。Bay 系列座椅表面好像不均匀，有“瑕疵”、“点点”，就好像每个人的个性一样，但却是其本质的特点，我们通过保留这些，表达自然的原生之感，同时也是对工业痕迹的保留。

In addition, we did not add any color in the production process, presenting the color of the material itself, so one can find some original traces on each chair. The surface of Bay collection appears to be uneven, with "defects" and "spots", just like everyone's personality, while it is its essential characteristics. We would like to express the natural sense of primitiveness by retaining these, and also save up the industrial traces.

