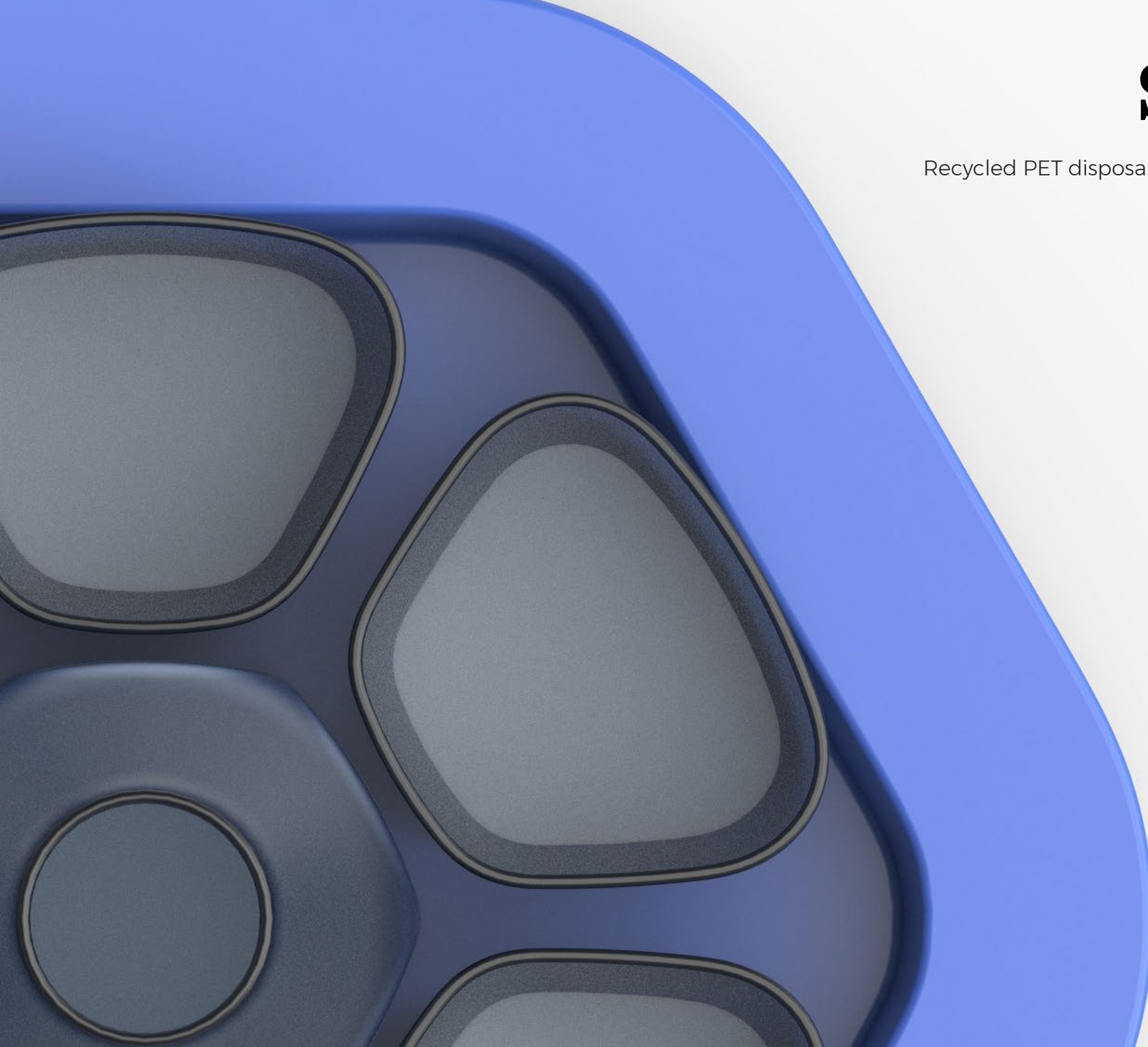


SETTE

Recycled PET disposable tray, bottle and glasses



Giulio Iacchetti

Based in Milan, he is an industrial designer since 1992. Among the companies he works with, Abet Laminati, Alessi, Artemide, Ceramiche Refin, Fontana Arte, Foscarini, Magis, Moleskine, Pandora design. He is Artistic Director of Danese, Dnd, Internoitaliano, Myhome collection.

Among the distinctive characteristics of his work, the research and definition of new object typologies. In May 2009 the Triennale di Milano held a solo exhibition titled "Giulio Iacchetti. Disobedient objects".

He was awarded two Compasso d'Oro (in 2001, with *Moscardino*, a spoon-fork for Pandora design; in 2014, with the manhole cover series *Sfera* for Montini).



Moscardino, Pandora Design, 2001



Tombini serie "Sfera", Montini, 2014



The Problem

350 millions of virgin plastic materials are produced annually in the world, 65 millions in Europe alone, and of these, at the end of their life cycle, only 30 millions are collected. The recycle rate, however, is very low, so much of the material ends buried in landfills.

Although PET constitutes a marginal amount of total plastic waste, it is usually demonized due to its principal use: water packaging. About 81% of bottled water uses PET, so, in a year, more than 500 billions of plastic bottles are sold around the world. The widespread use of this object has led it to be considered as the example of plastic waste, despite its possibility to be recycled.



The Partner

PLASTEC

"Nothing is created, nothing is destroyed, everything is transformed."

Antoine-Laurent de Lavoisier

There is an eschatological value in recovering objects and granting them a second life. In the world of men and of the Gospel, all this is called conversion, redemption. On the other hand, it is precisely the Gospel that was the first to speak of recovery, recognizing the value of what men had considered of no importance: "The discarded stone has become a cornerstone (Matthew 21:33-43, 45-46).

Plastec S.r.l. deals with molding of plastic objects. A pioneer company in the sector, in 2019 it filed a patent application for the invention of an injection molding system for PET, a material that today is mostly used for production of packaging due to its processing difficulty if not with stretch-blow molding or thermoforming.

This new and revolutionary technology makes the material economically sustainable and technically performing, solving the problems of PET molding and widely expanding its field of application.



Plastic Bottles

I look at PET water bottles emptied and then thrown away.
Just one chance in a lifetime to prove their value and their capacity not only to contain but to be.
To exist. To resist.

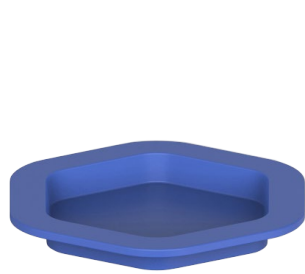
The enormous quantity of plastic objects that occupy immense surfaces and unduly crowd the sea and rivers is not only a disfigurement to the planet and to the living beings hosted, but it is above all the denial to a “good” material such as plastic to prove its value in time. So why not grant also to inanimate elements such as objects, to live more seasons of life?

I then thought of giving new life to 70 PET bottles, prematurely discarded, allowing them to extend their possibility to serve, to bring water, an inclusive project, because the service consists of a tray, bottle and six glasses that in the design represent a corolla around the central container.



Features

The set is composed by:



x1

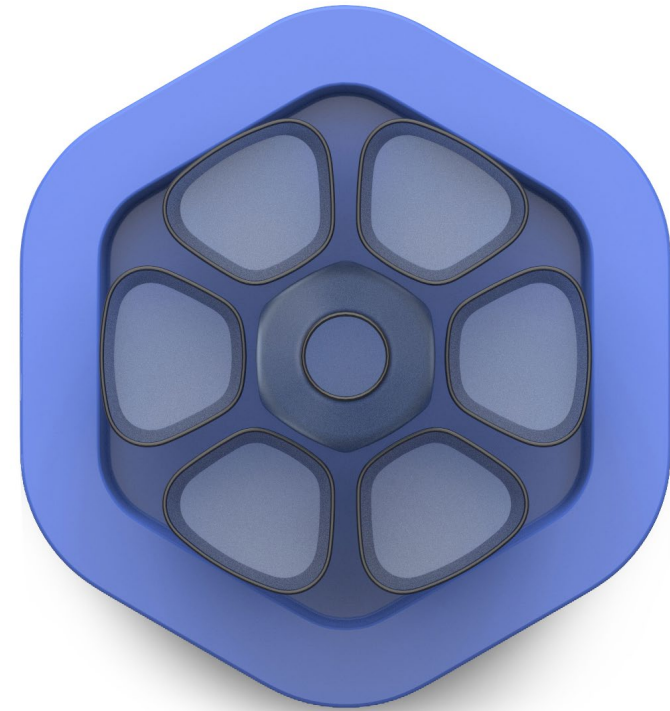


x1



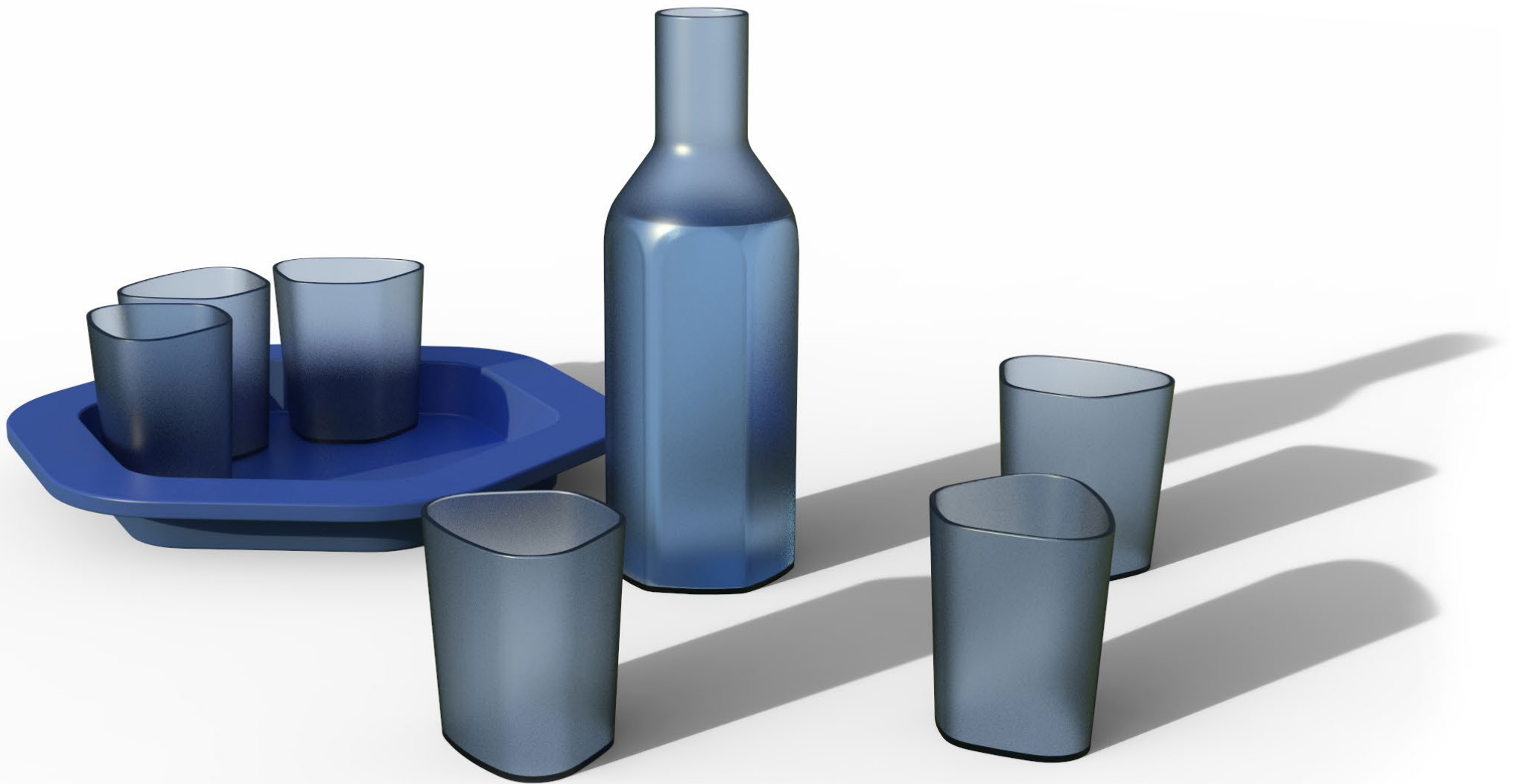
x6

All the pieces are made of rPET, which is unbreakable and durable but thermolabile; it's suitable for serving hot and cold drinks, but it will suffer long time exposition to high temperature (dishwasher process).



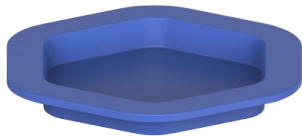
Bottles and glasses occupy the minimum space of the tray, so that nothing is wasted, even the minimum surface area!

The neck of the bottle is wide enough to accept even ice cubes, the sandblasted finish of the surfaces recalls cold surfaces, making the pleasure of quenching one's thirst even more appetizing.

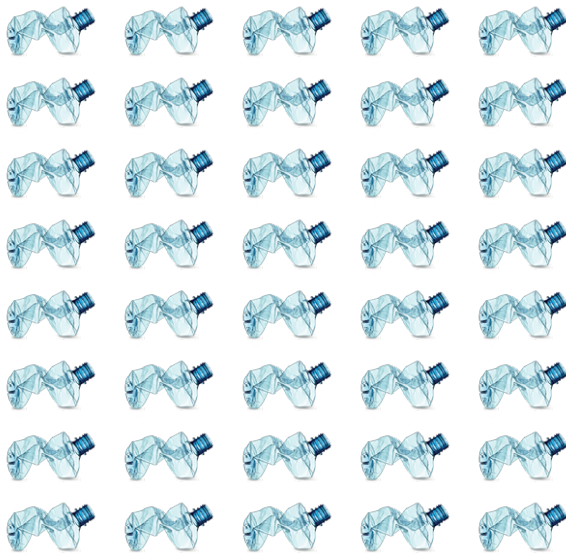


Some recycling numbers:

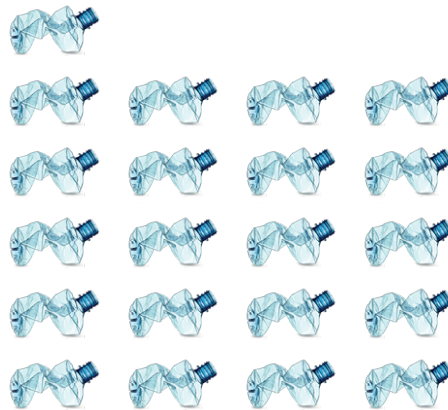
Considering that a 0,5 l plastic water bottle weights from 10 to 15 grams, then:



480 g of rPET
or
about 40 bottles



254 g of rPET
or
about 21 bottles



91 g of rPET
or
about 8 bottles

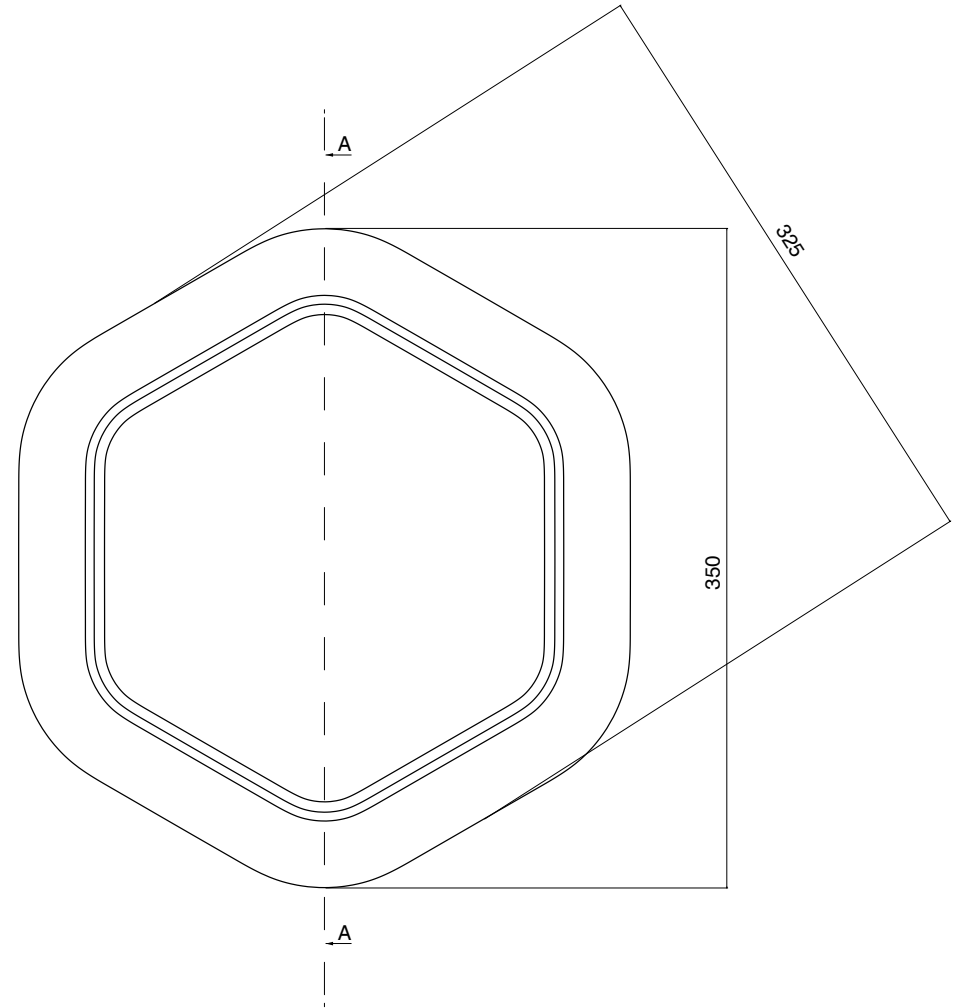


For each set produced, approximately 70 PET bottles are recycled.

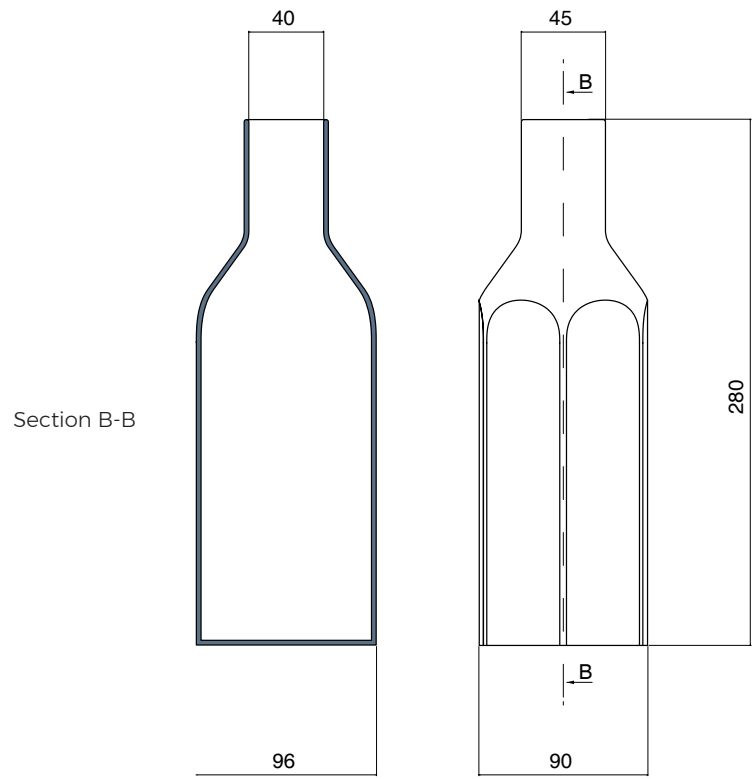
Tray



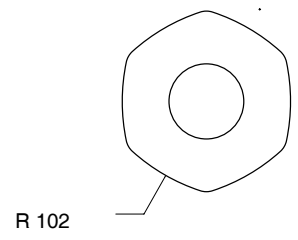
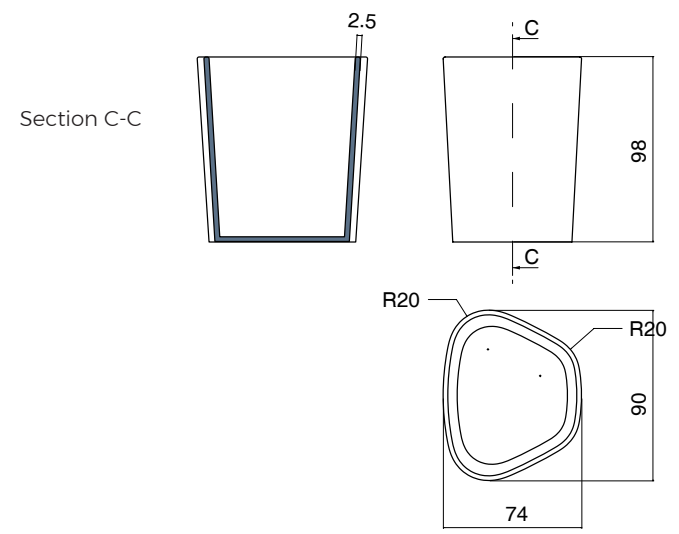
Section A-A



Bottle



Glass



Units in mm



design
assistants
production
industrial development

Giulio Iacchetti
Luca Madonini, Francesco Arnulfo
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Luca Rodella