

Catalogue Dirk Vander Kooij

2017





DirkVanderKooij. (1983)

Dirk Vander Kooij is a self-producing design studio based in Zaandam near Amsterdam (NL).

In 2009 Dirk graduated from the Design Academy in Eindhoven (NL) with a giant robotic arm, designed to extrude large objects like furniture from recycled material, a world wide first.

Ever since the introduction of this new technique, Dirk Vander Kooij has been creating innovative products with a strong visual impact. Circular design and the use of recycled materials is the core of Dirk's work.

In the design of chairs, tables, vases and light fixtures Studio Dirk Vander Kooij combines tradition and technology, craft and digital robot techniques.

Every piece is an industrially produced 'one-of-a-kind.'



DirkVanderKOOIJ

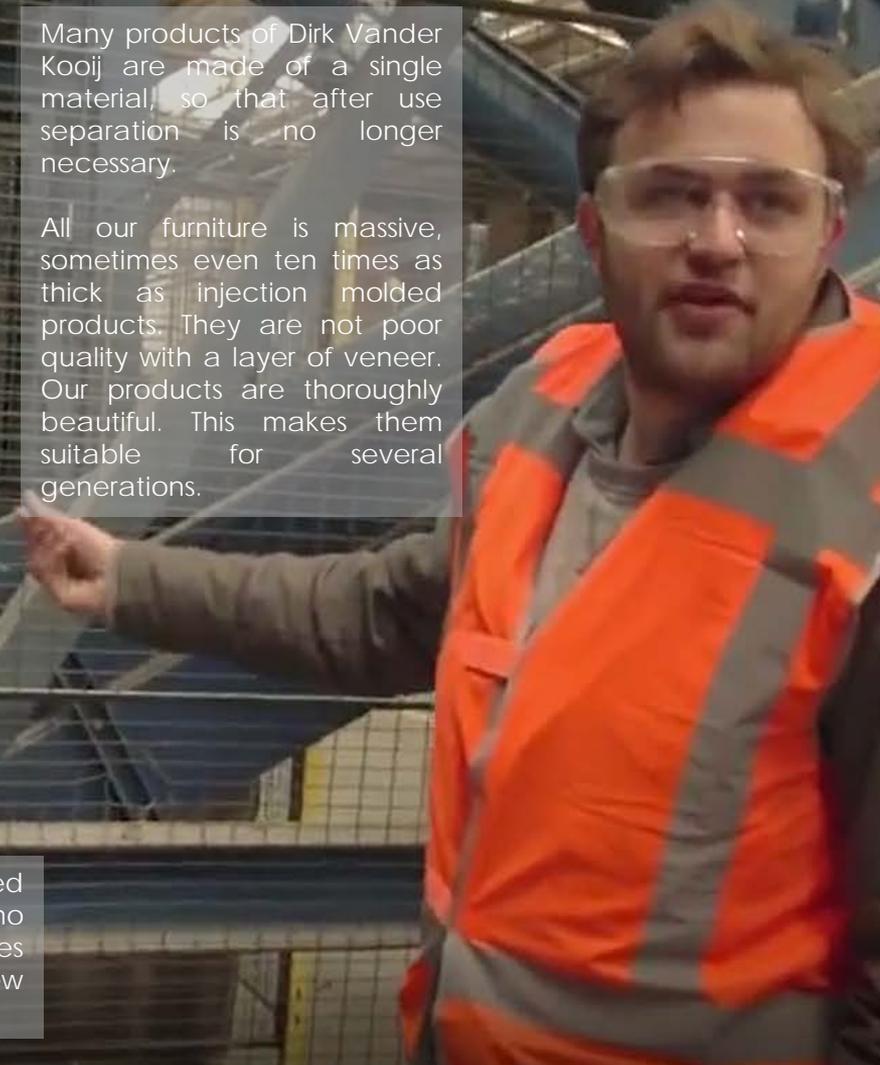
designs and manufactures since 2010 circular design pieces of 96-100% recycled plastics.

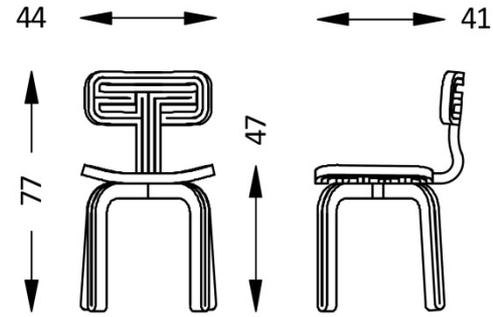
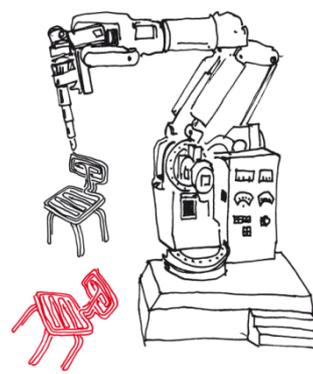
Including our demand for recycled plastics, there is a greater overall demand for clean, sorted and recycled plastic. By doing so, less usable waste ends up in the incinerator.

All of the plastic waste is separated with love. In our factory there is no waste. All remaining parts, prototypes and failures are melted into new products.

Many products of Dirk Vander Kooij are made of a single material, so that after use separation is no longer necessary.

All our furniture is massive, sometimes even ten times as thick as injection molded products. They are not poor quality with a layer of veneer. Our products are thoroughly beautiful. This makes them suitable for several generations.





*Chubby***CHAIR.** (2012)

The Chubby Chair is built up using very stout layers. The layers are from recycled plastics of the interiors of discarded refrigerators.

The chair gets its ultimate shape by bending the legs and seat in the right direction, this in contrast of traditional 3D printing.

It is like the in-house developed extruder, mounted on a robotic arm, squeezes out a tube of paint.

The mouldable looking Chubby looks as soft as toothpaste but is in fact as strong as oak.

*The Chubby**CHAIR** was acquired for the permanent collection of the Vitra Design Museum and The Design Museum in London.*

material: 96-100% recycled plastics
process: low res solid 3d print + bending

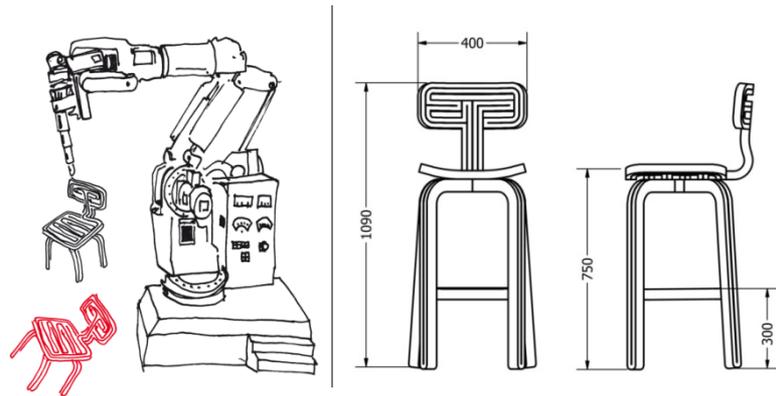


ChubbyCHAIRS.

Private library, New York (US), (2015)

Design: Ryan Lawson

Picture: Max Zambelli



*Chubby***BARSTOOL**.

Now available: The *Chubby***BARSTOOL**. A barstool with the playful looks of the best selling Chubby Chair, and a comfortable footrest.

The Chubby may look soft and squeezable, however they are as tough oak wood.

The chair looks as if it has been squeezed from a toothpaste tube, through its curved form and thick molten lines. The chair is available in various (primary) colours.

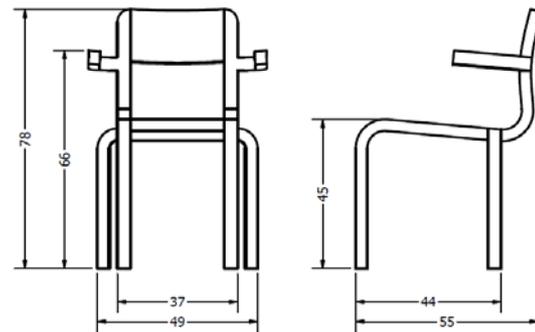
material
process

96-100% recycled plastics
low res solid 3d print + bending



ChubbyBARSTOOLS.

Calvi Business Software, (NL), (2017)
Design: Ruimte voor Vernieuwing

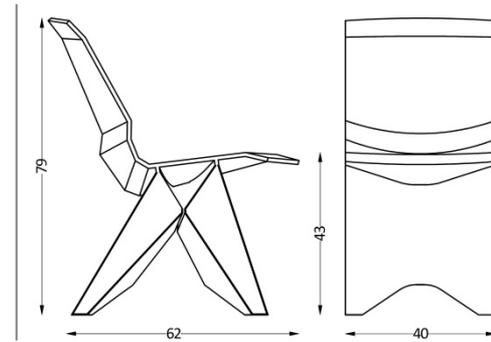
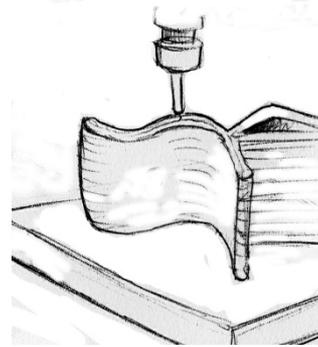


RvRCHAIR.

The first printed chair in 3 dimensions. The chair is stackable, relatively light weighted and comfortable and is available with or without armrests.

The shape is the most elementary form one can imagine for a chair, but still this chair stands out on its own thanks to the used material and the smooth, elegant curves.

material 96-100% recycled plastics
proces 3d print, molded



EndlessCHAIR. (2010)

The Beginning - One plastic string, made out of old refrigerators, crafted by a robot. By combining different techniques, Dirk was able to design an automated but very flexible process.

Dirk taught a robot his new craft, drawing furniture out of one endlessly long plastic string. This opened the possibility for him to design in the good old-fashioned way, making a chair, evaluating, refining, making a chair, evaluating, refining and making a chair. Endlessly.

Dirk Vander Kooij won the Dutch Design Award in 2011 with his EndlessCHAIRS.

The Endless(Rocking)CHAIR was acquired for the permanent collection of, among other museums, the MoMA, Stedelijk Museum Amsterdam and Vitra Design Museum.

material: 96-100% recycled plastics
process: low res solid 3d print

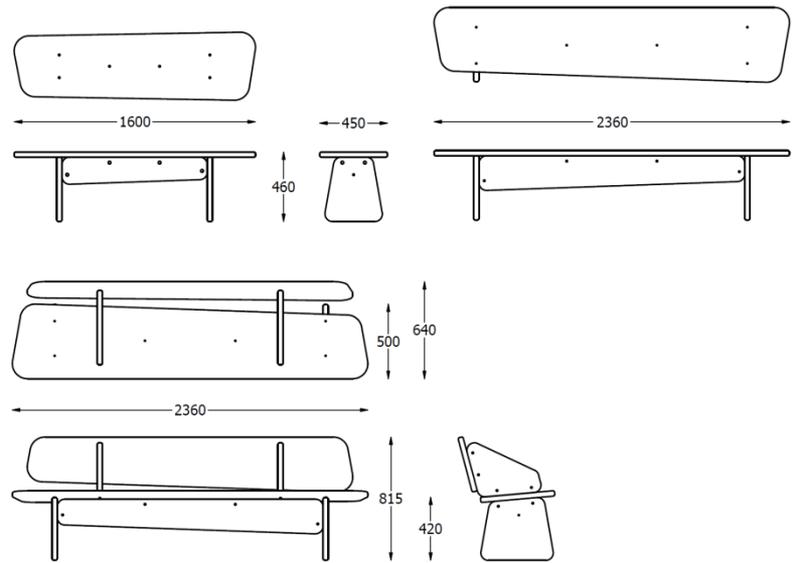


EndlessCHAIR. clear

Van Abbe Museum, Eindhoven (NL), (2016)

FlowRocking**CHAIR**.
the MoMA, New York US), 2013)



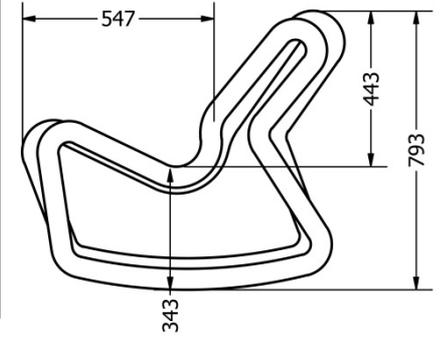
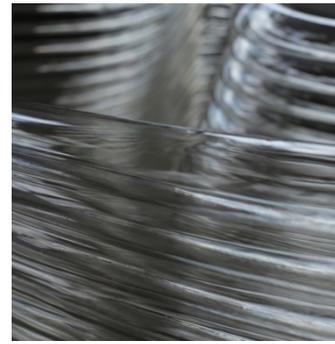


MenhirBENCH.

The Menhir Bench is build up using simple and solid blocks similar to the Menhir stones. They come in a length of 160cm or 240cm and are available with or without backrest. The material is super thick, heavy and solid using only recycled plastic. The Menhir Benches will bright up every terrace, balcony or garden and will catch everybody's eye thanks to the bright colours and soft shapes.

material: 100% recycled plastics
process: pressed





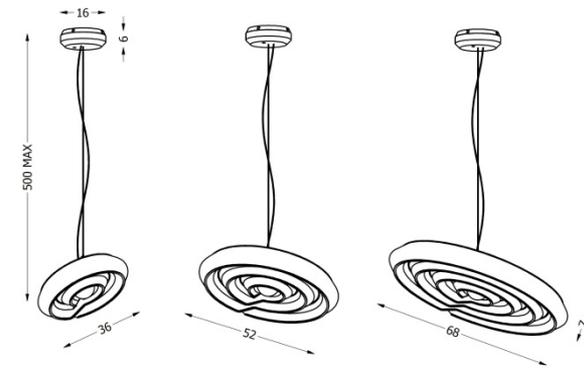
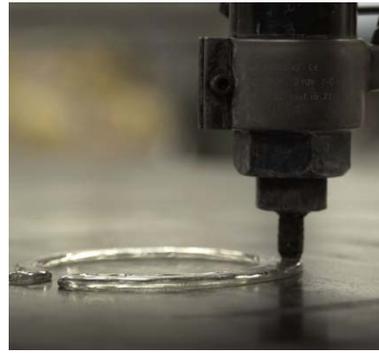
*NotOnlyHollow***CHAIR.** (2014)

At Studio Dirk Vander Kooij, processes are designed to make a better world. The chair is created with a completely new, high-tech process. An in-house developed robot melts plastic, in to a pipe like shape and then carefully writes out the shape of this chair, somewhat like 3d printing.

Each line is hollow to minimize resources, and the source is 100% recycled synthetics. The minimalistic shape and the extreme low resolution make the looks of the chair closely related to how it's made.

It is not only recycled or minimizing resources, it's not only a new developed 3d printing process, it is not only a catchy design piece... The true beauty lies in the combination of it all.

material: 100% recycled plastics
process: low res hollow 3d print



*Fresnel*LIGHT. (2015)

The Fresnel is a pendant light and consists of two halves, enclosing LED-modules. The hundreds of dimmable LED-lights produce over 50.000 hours of light and are easy to replace.

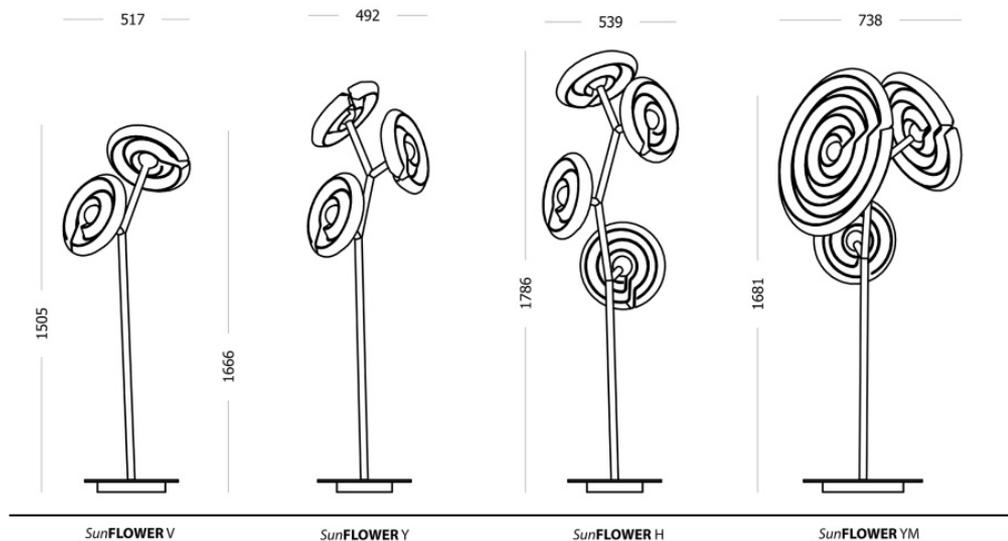
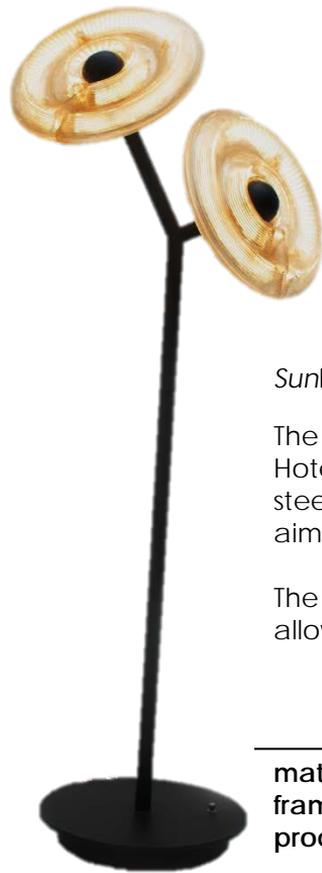
Hanging on a steel wire, the light resembles a glowing celestial body. Like the orbit of a planet, the Fresnel rotates around a center core, a metal ball, making the direction of the light easy to adjust and to aim where needed. Besides this tilting function, the ball has a mechanism to adjust the length and store the hanging wire.

BK Architects, the interior architect of the W Hotel in Amsterdam was inspired by the Fresnel and sketched a bespoke floor lamp to be positioned in the living room of W Amsterdam: the SunFLOWER.

Instead of a pendant lamp, the SunFLOWER is mounted on a metal frame with multiple branches. Each of these branches ends in a Fresnel lamp module, like the buds on the stem of a flower.

material shells: 100% recycled plastics
process: low res solid 3d print





SunFLOWER.

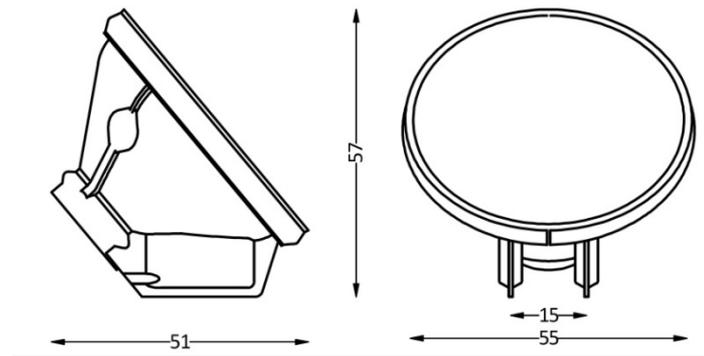
The SunFLOWER has been developed for the W Hotel in Amsterdam. The SunFLOWER consists of a steel frame with multiple light modules that can be aimed in any direction independently.

The use of a layered structure breaks the light and allows the entire lamp to

material lamp:
frame:
process

recycled plastic
powder coated steel
low res 3d print





SatelliteLAMP. (2012)

The spectacular *SatelliteLAMP* has nothing to hide.

The clear, glass like, recycled shells give away the electronics of this floor lamp that is needed for dimming the warm and cold light separately.

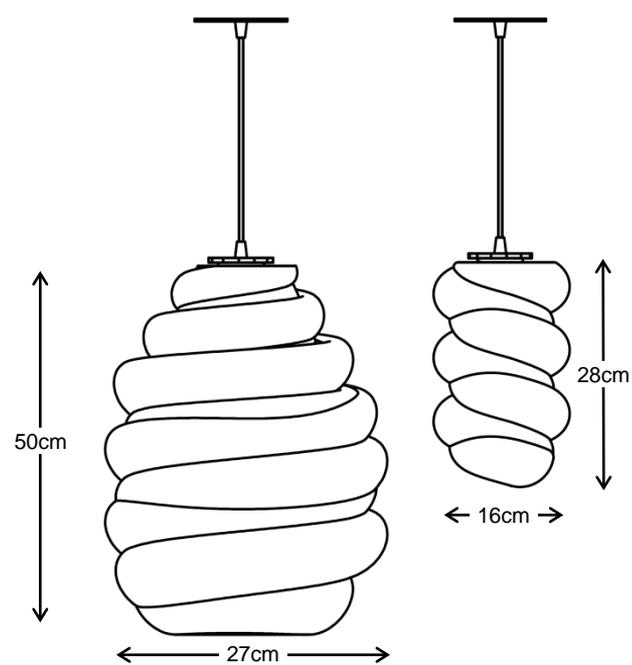
A nice detail: the buttons as a mixing tap to adjust the intensity and the temperature of the light.

material shells: 100% recycled plastics
process: low res solid 3d print



SatelliteLAMP.

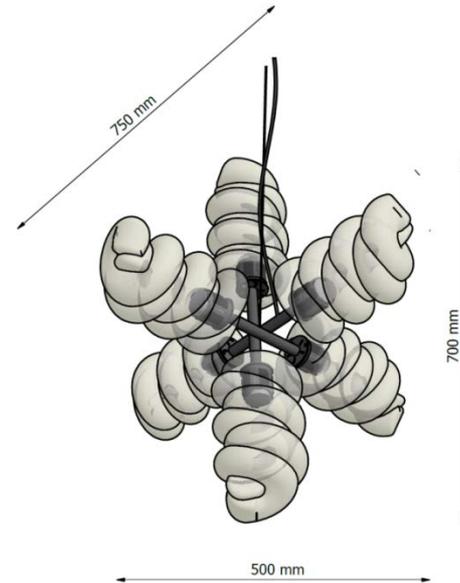
Private residence, Amsterdam (NL), (2015)



*Bloown***LIGHT**. pendant

The Bloown Pendant lights are available in two sizes: small and medium. The lamp has some similarities with a soap bubble but is actually optimised to fragment the light pleasantly. Every light is handblown in The Netherlands with help of a 3D print robot. Each module has a LED light source which provides dimmable and warm light.

material: recycled plastics
process: super low res hollow 3d print



*Blown*CHANDELIER.

The *Blown*CHANDELIER has a striking appearance, which makes the light a perfect match in central halls of offices, hotels or public buildings.

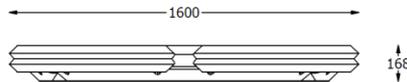
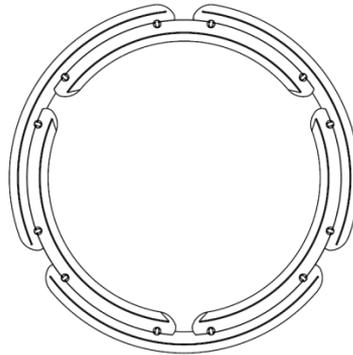
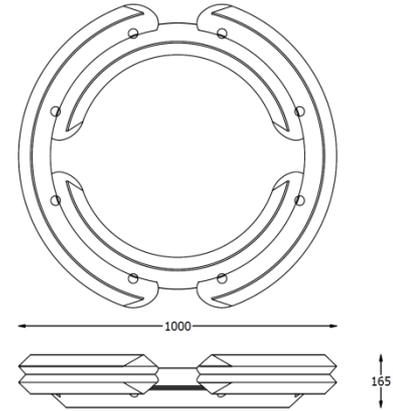
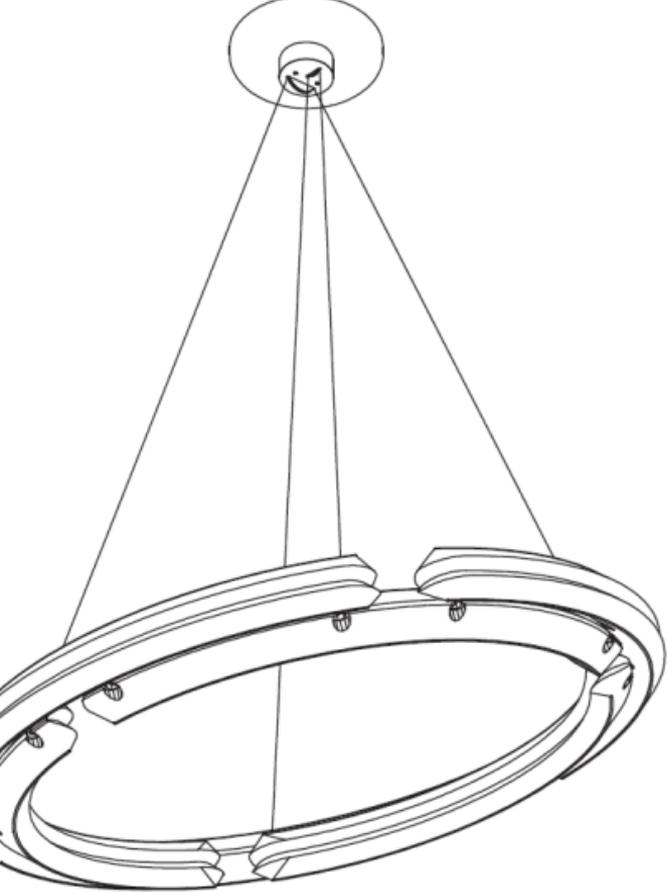
The chandelier suspends on a minimalistic steel cross, with the six blown and luminous spirals being in the center of the attention.

The chandelier has an industrial appearance, but still keeps a playful character, thanks to the unique process of human and robot working together in the production of these modules.

The modules have a spiral inner shape that breaks the light pleasantly. Each module is illuminated with an LED light source, which gives you dimmable and warm light.

material:
process:

recycled plastics
super low res hollow 3d print



*Buitenhuis***CHANDELIER**. 160 and 100

This spectacular *Buitenhuis***CHANDELIER** can easily be adjusted with a -state of the art- tilting mechanism. The four (Ø100cm) or six printed (Ø160cm) elements have a layered structure, which allows the LED lights to diffuse. This effect looks like the Chandelier is glowing.

material
process

recycled plastics
low res 3d print, LED lit







MeltingPotTABLE.
NATURE, Ø120xh75cm

MeltingPotTABLE. (2015)

The MeltingPotTABLE by Dirk Vander Kooij is a statement like no other. A highlight in the collection: for its esthetics but also because of what it represents: a magnificent monument for recycling.

What once was a fridge, became a chair and is now a solid, timeless table.

material : 100% discarded garden furniture
process: heated & pressed



MeltingPotTABLE.

BlackORANGE., Ø100xh75cm for WeWORK (US), 2016



*MeltingPot*TABLE.
CloudsInICE., 240x120xh75cm, 2017



MeltingPotTABLE.
BlackWhite&ASH, Bistro for Bukowskis (SE), 2016



*MeltingPot*TABLE.
DoubleBASED, 240x120xh75cm
BlackWhite&ASH.

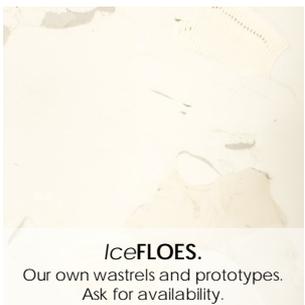
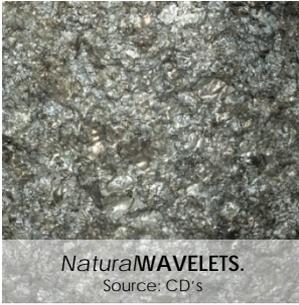


MeltingPotTABLE.
DoubleBASED, 480x120cm
BlackWhite&ASH..



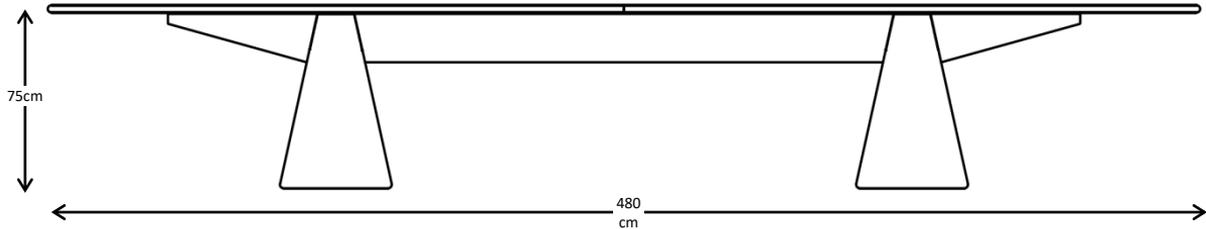
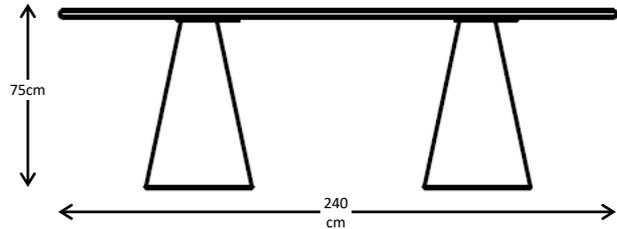
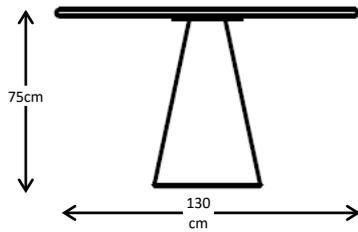
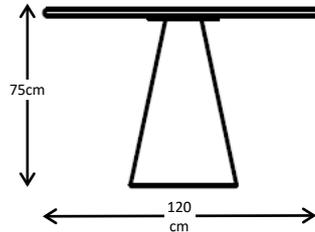
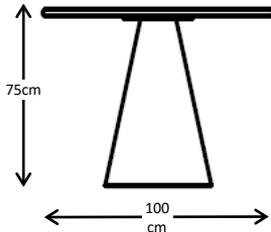
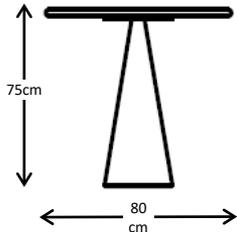
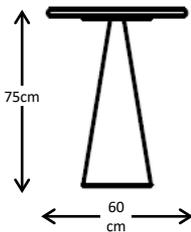
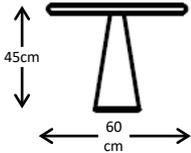
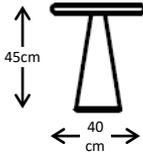
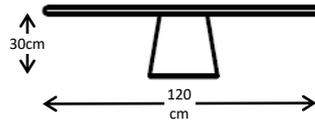
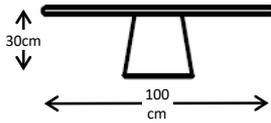
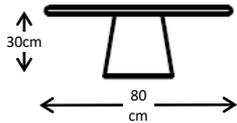
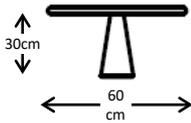
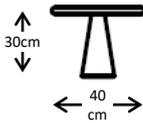
*MeltingPot*TABLE.
DoubleBASED, 480x120xh75cm
GoldSTONE.

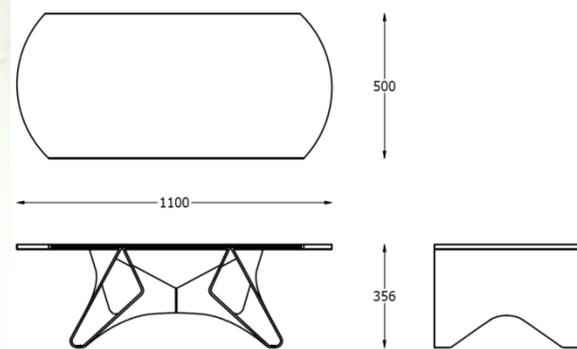
Colorways of the MeltingPotTABLE.



YourPlasticWASTE.
Ask for possibilities.

Sizes of the MeltingPotTABLE.

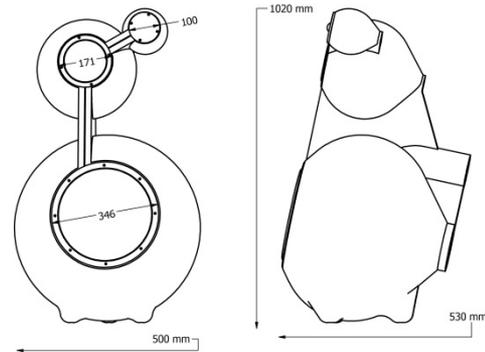




FlowCoffeeTABLE.

material
process

100% recycled plastics
low res 3d print



SnowMEN. speaker set (2016)

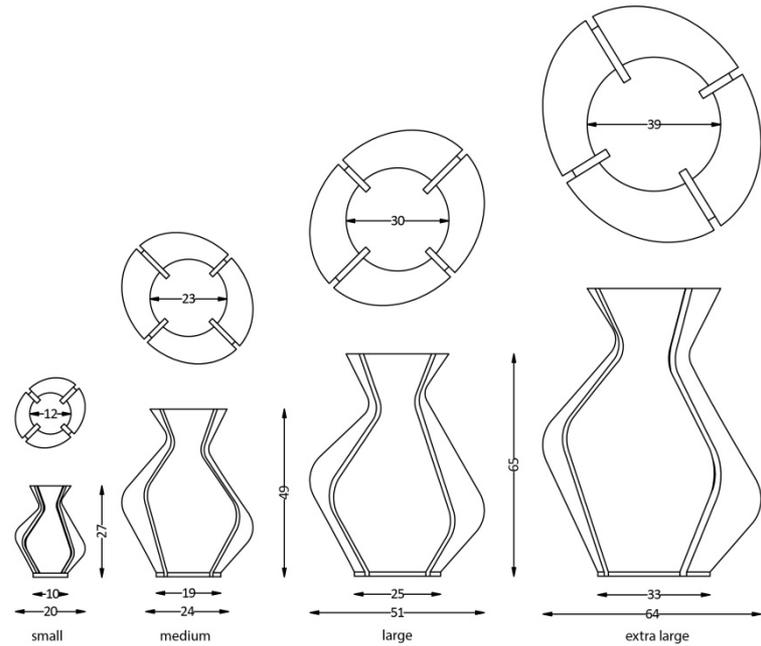
Together with high-end speaker engineer Henkjan Netjes, we created a revolutionary new speaker, mixing contemporary esthetics with high technical performances. A revolutionary and rewarding combination of process and product: The new SnowMEN speaker set is made with the help of an industrial robot. This robot is pushing out one continuous dense line of reclaimed plastics. This rock solid structure makes the speaker completely oblivious to all the resonating energy the 12" woofer is producing. The result is a crisp and clear sound, even with the highest level of volume.

The ball or egg shaped box is not only very contemporary looking, it also allows the sound waves to radiate in an optimal way. The sound spreads in all directions, giving a mind-blowing sound experience. The inside of the speaker is ideal for eliminating standing waves due to its rough surface. This ribbon-like texture, an inevitable consequence of the production process, is perfect to mute the sound internally by scattering the soundwaves.

This highly intelligent speaker set provides you with impressive clarity, range, and sound staging in a timeless piece of design.

material speaker cabinet:
process:

100% recycled plastics
low res solid 3d print

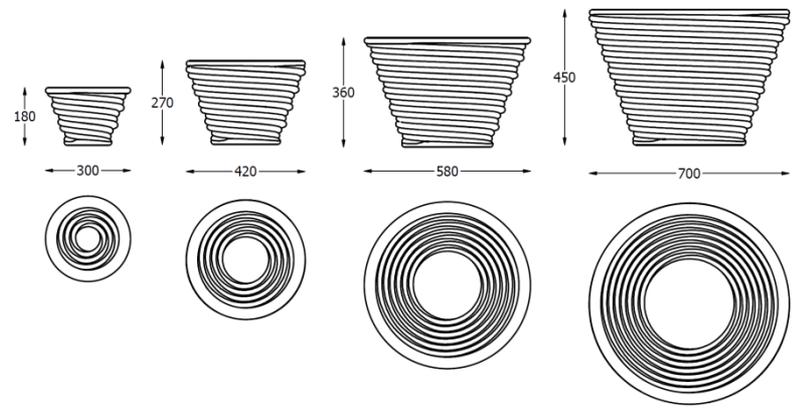


ChangingVASE.

An extraordinarily designed sculptural vase in four different heights. The ChangingVASE looks different depending on the angle from which it's looked at.

material
process

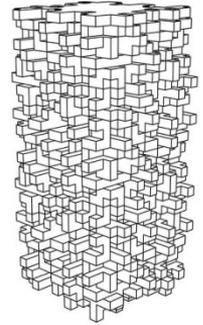
100% recycled plastics
3d print



*Mummy*PLANTER.

**material
process**

100% recycled plastics
super low res 3d print



*Diffuser***CABINET.**

A fascinating eye-catcher, this chest of drawers.

The Diffuser Cabinet originates from acoustic research. The wood is positioned according to an existing mathematical principal. The result is an ornament that optimizes sound.

The cabinet revives the room's acoustics and reduces echo's. The notable pattern looks like a construction of building blocks but it solely consists of longer beams of tulip wood. The direction of each beam is different in order to realize a proper overlap and a self supporting construction. From top to bottom there are nine deep drawers that come out in all directions. A masterly example of professional skill.

The dimensions of the Diffuser Cabinet are (lxwxh) 80x80x150cm.

material speaker: magnolia wood
process: low res solid 3d print



*Welcome*DESK. W Hotel, Amsterdam (2015)

We were commissioned to design a 'skin' for the Entrance Cube. The Entrance Cube is a service point, where guests are welcomed when they check in. Because the actual reception desk is planned at the 6th floor, the Entrance Cube is the first impression of the W Hotel.

We designed a transparent 'skin', that is completely made with our Endless technique, somewhat like 3d printing. The transparent 'skin' is from recycled material and allows it to be lit from the inside out. The entrance cube makes a strong presence in the entrance of the W Hotel. The structure of the lines functions as little lenses and direct and diffuse the light, so that it is not unpleasant to look into. In the evening the LED lights work magic and the object changes into a lamp which makes the guests of the W Hotel feel even more welcome.

material desk:
process:

100% recycled plastics
low res solid 3d print



*ElephantSkin***TABLE** and **STOOLS.**

show of Ingo Maurer in Milan (IT), (2009)

*Triangulate*LIGHTS.

Beijing Design Week, Beijing (CN), (2012)





← Pels Rijcken &
Droogbloem Fortuijn
Piazza

*NewBabylon*VASE.

New Babylon, Den Haag (NL), (2013)
3 meter sculptural vase