

PORTFOLIO



By Imran Javed

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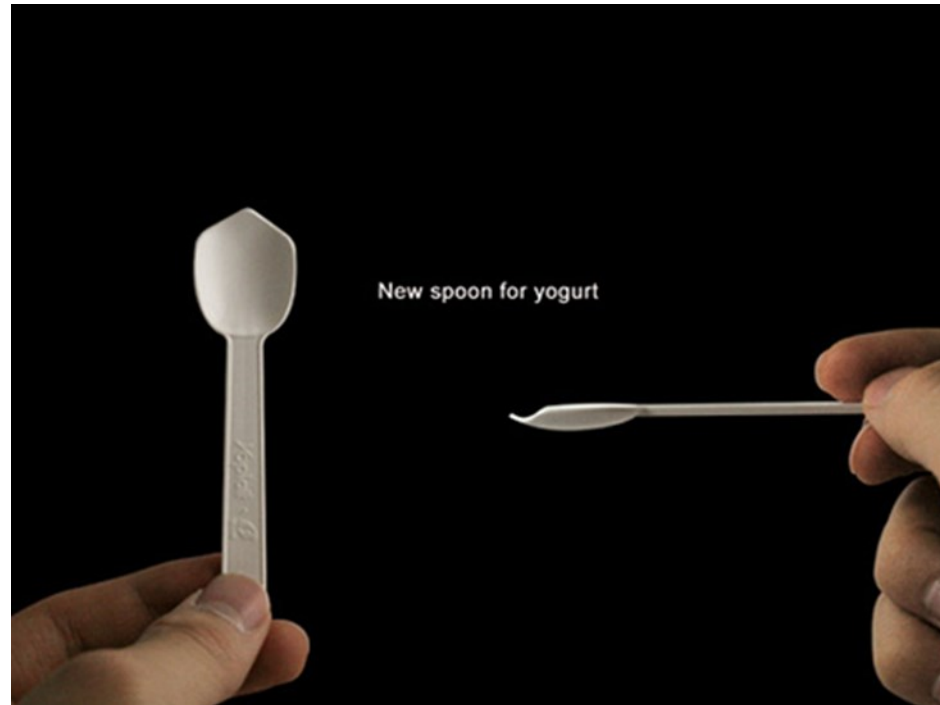
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Cutlery Project

Inspiration

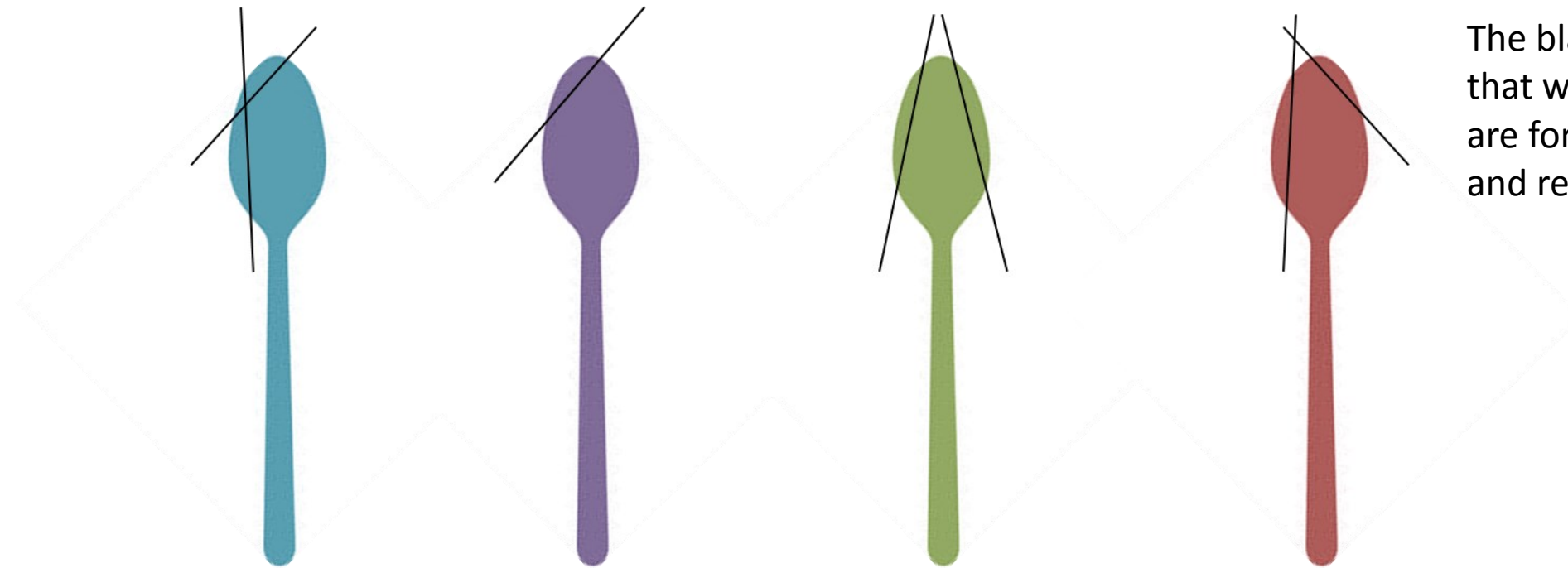


I like the concept but I want to transfer plastic to metal. Plastic is not a appropriate material to keep. I want to create something aesthetically pleasing as well as elegant and sophisticated.

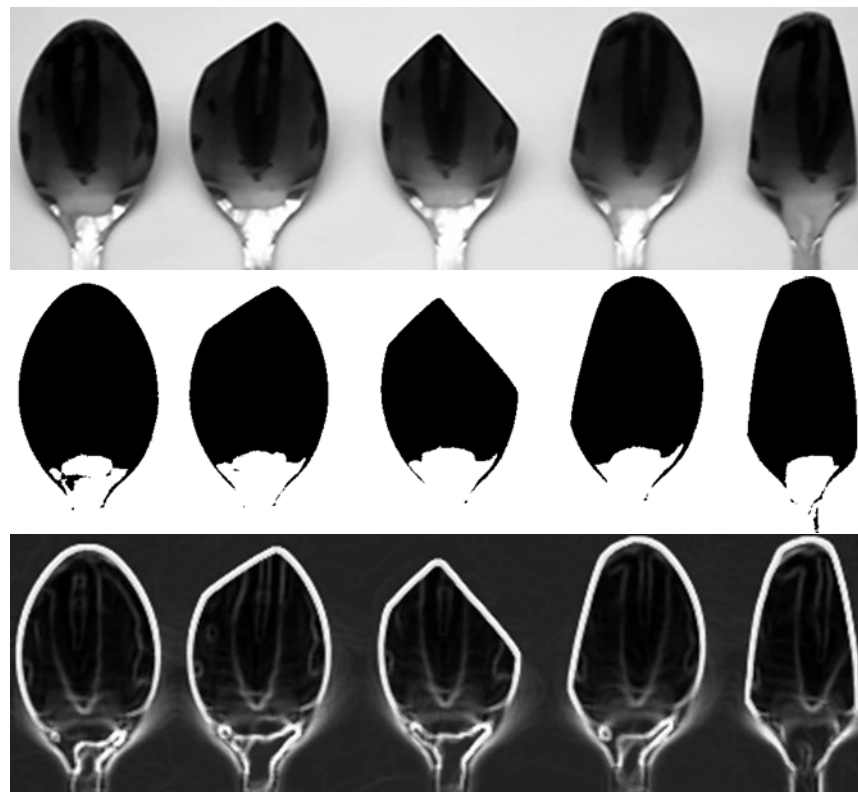
Market Research



Initial Ideas (2-D)



The black lines represent the segment of the spoon that will be removed. The blue and purple spoons are for right handed people only. As for the green and red spoon is for both.



Initial Ideas (3-D)

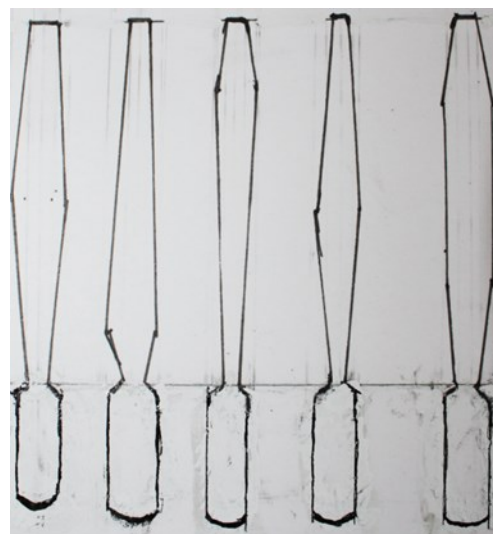
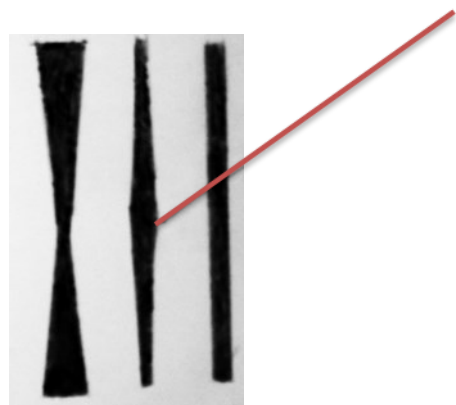
Yogurt & Ice Cream Templates



I used different yogurt and ice-cream templates to see which examples of my initial ideas 3-D fit more comfortably.

The Handle

For my chosen handle, I don't want the user to hold the handle in a traditional manner gripping the handle near the bottom of the spoon. A thicker handle in the centre forces the user to naturally position their hands nearing to the centre. This gives the user more durability due to the thickness in the centre. For the user to change their hand position to the centre the handle needs to be longer approximately 185mm similar to a desert spoon. The handle needs to be symmetrical as this gives the spoon more elegance as well as being more ergonomically practical.



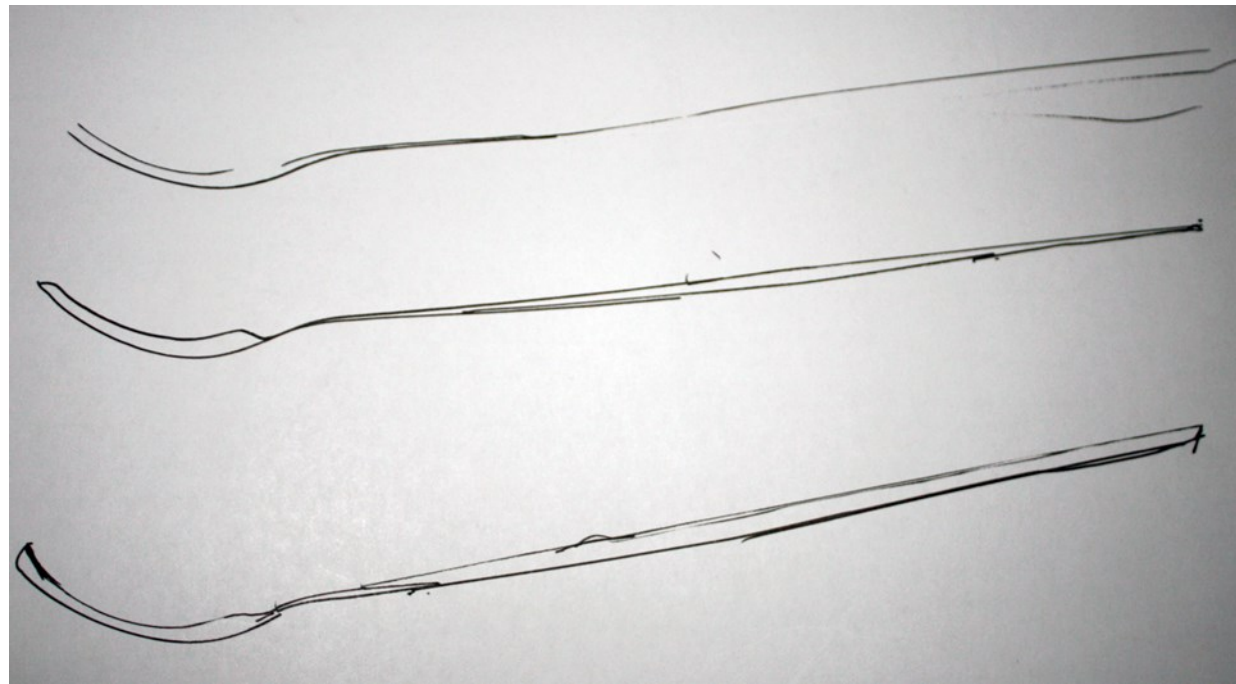
93mm average
teaspoon handle

spoon handle sketches

Front view



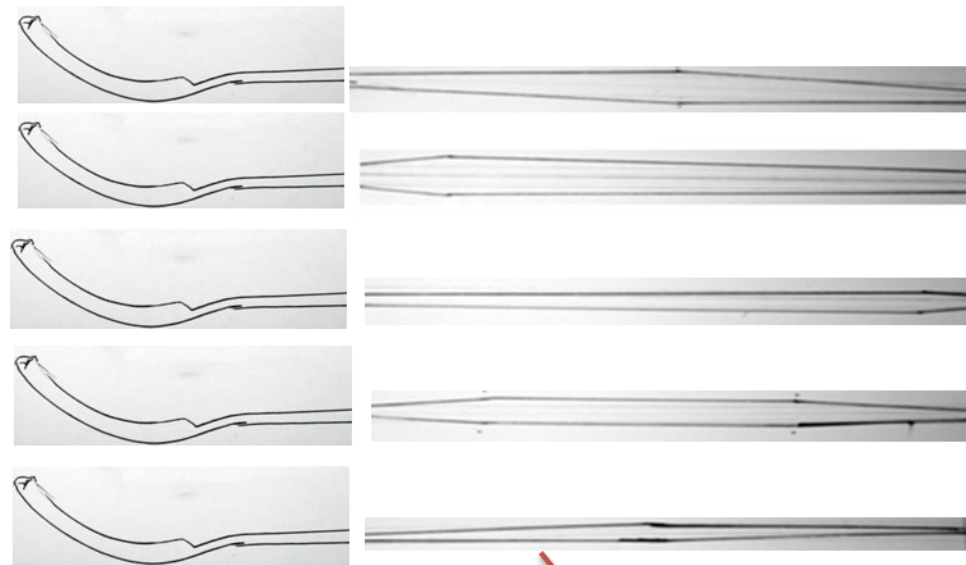
185mm ap-
proximately
double the
length of an
average tea-
spoon han-
dle



Side view of the bowl



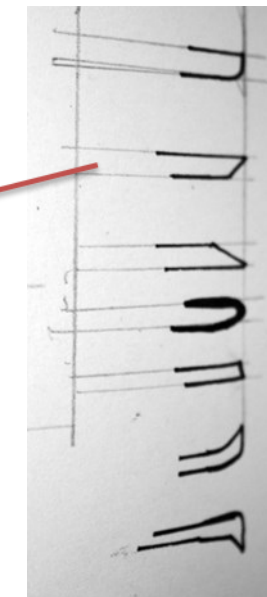
I like the simple shape of the bowl; it connects well with the handle as it's not too thin or thick that it clashes with the thickness from the centre of the handle.



Side view

The handle needs to be symmetrical as this gives the spoon more elegance as well as being more ergonomically practical.

I like the simple sharp lines it gives the handle some 'edge' and character.



Handle tip



This shows the development of the making of the handle as well as the overall process of the spoon from start to finish.

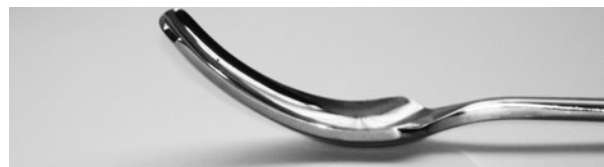
Final Design



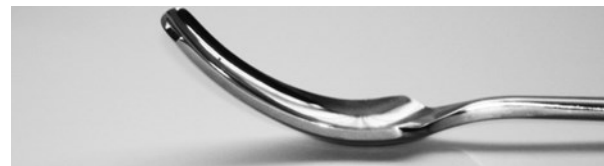
This spoon has a multipurpose function, eating ice-cream, the side of the spoon allows the user to cut through the ice-cream. The handle gives strength, as the user holds the spoon from the centre of the handle due to the thickness which is inspired from the ice cream scoop.

This spoon can be used for taster menus for sophisticated dishes or chefs, e.g. Heston Bloomingdale. The spoon can be used for spice plates as well as eating luxury foods such as caviar.





Spoon with '***Black Pepper Corns***' Caviar



Spoon with **Red Chilli Power**



Spoon with **Madagascar Bourbon Vanilla Bean**

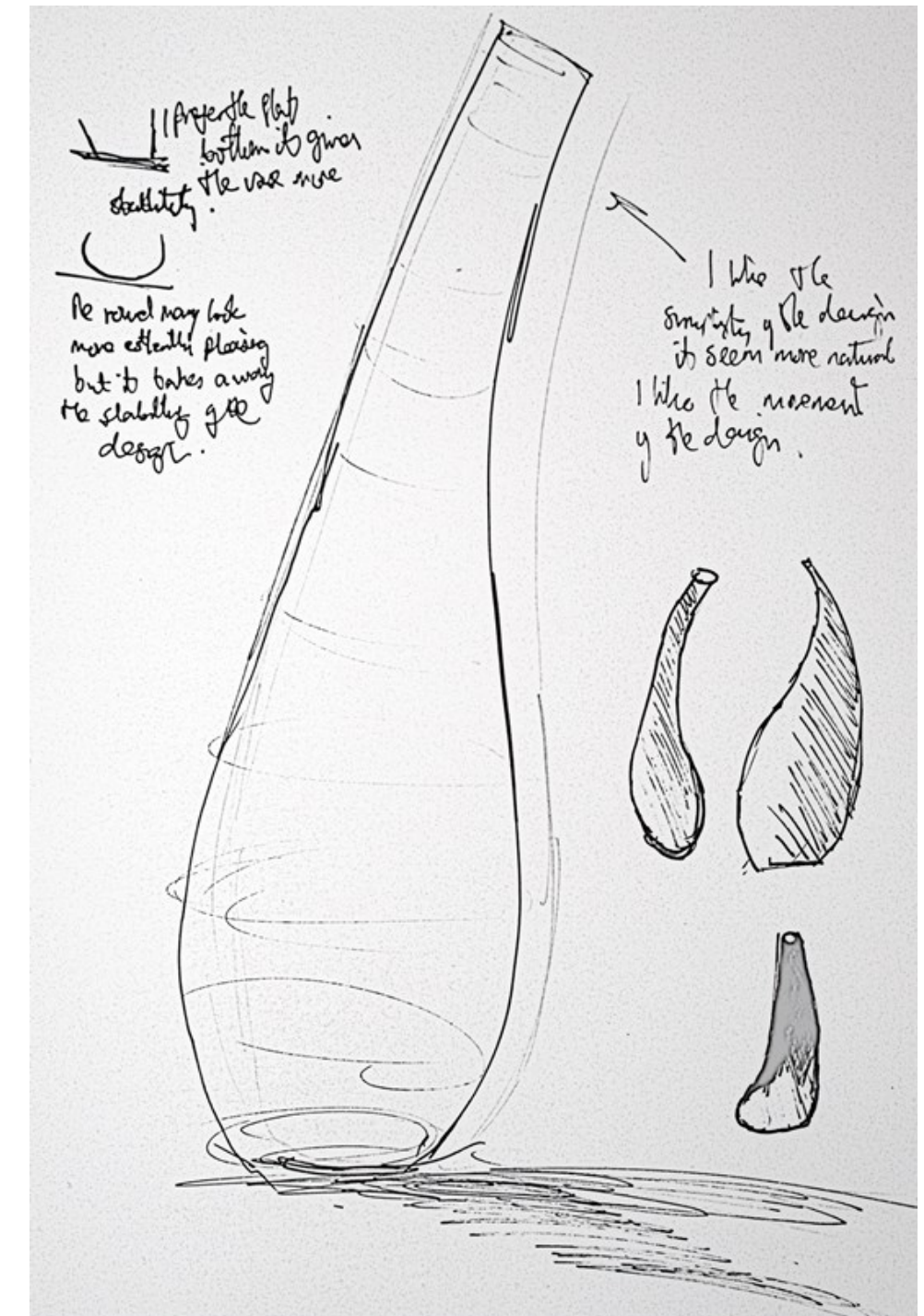
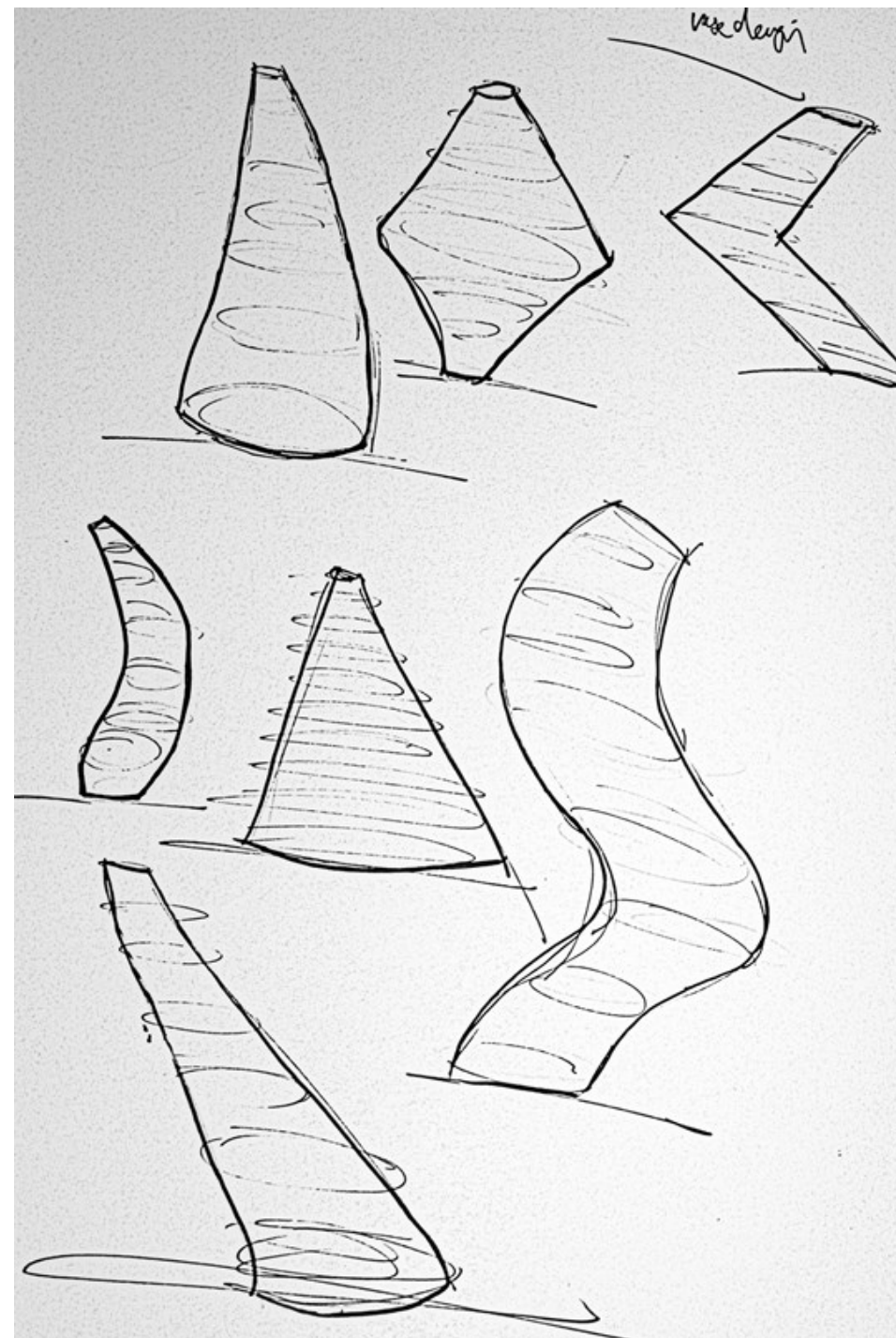
Cake Stand.

Inspiration



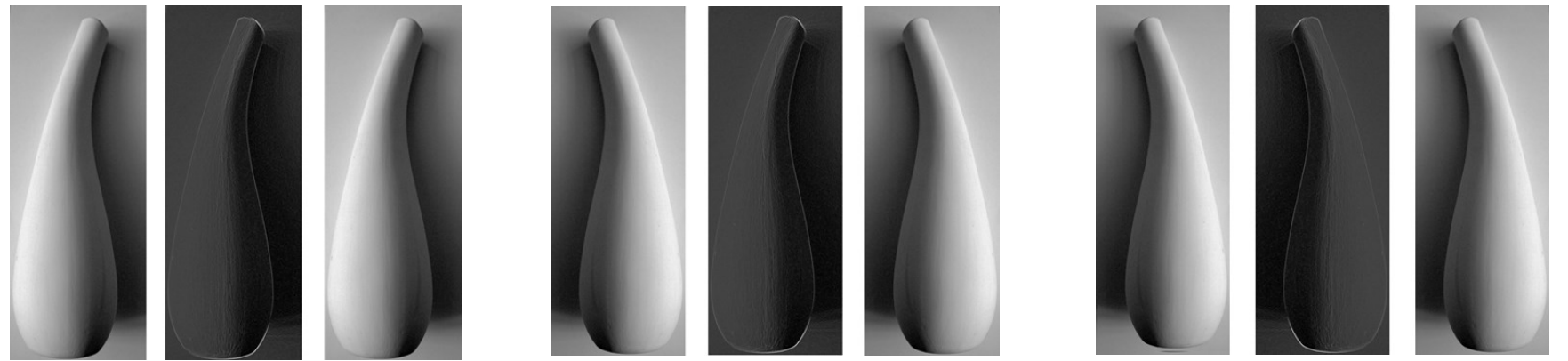
I like the simple shapes and movements, of the designs. I want to create a design that has simple curves flowing with a smooth finish.

Initial Ideas



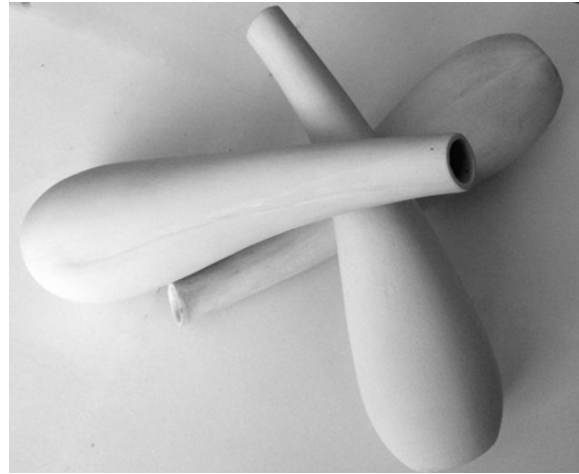
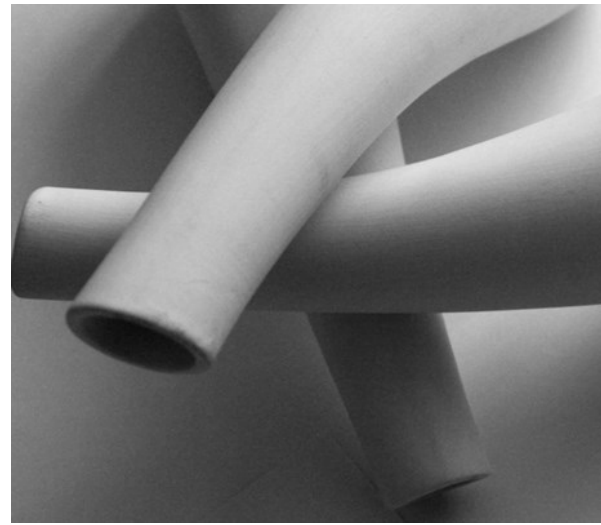
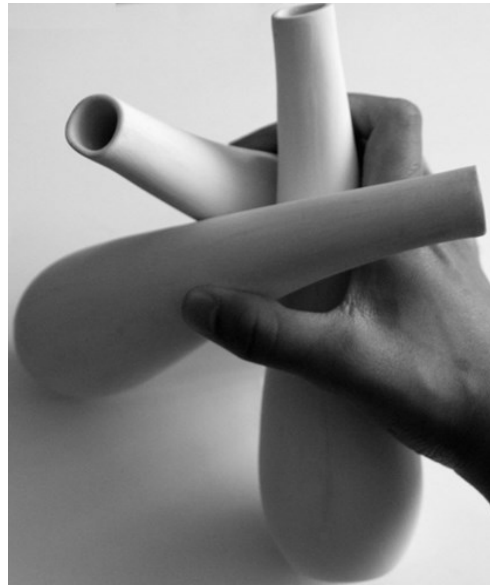
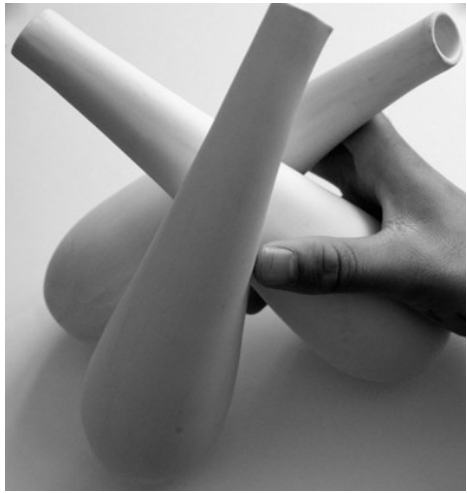
The original sculptor

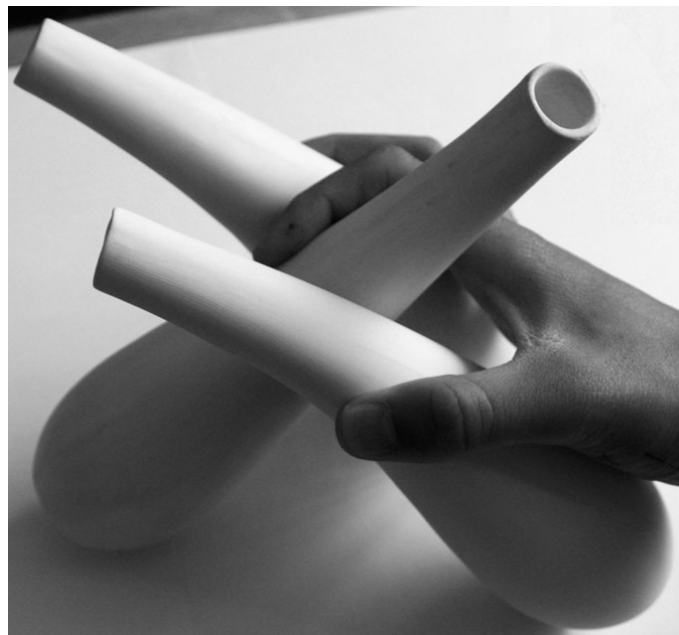
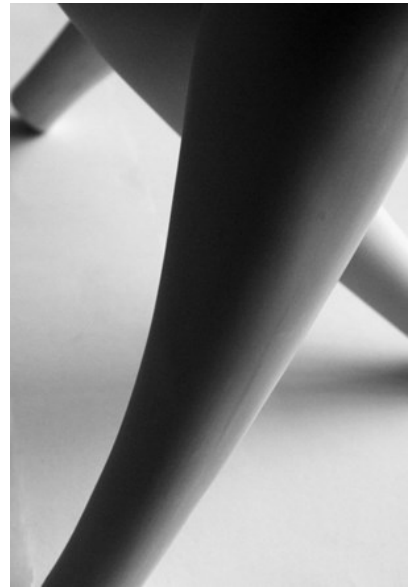
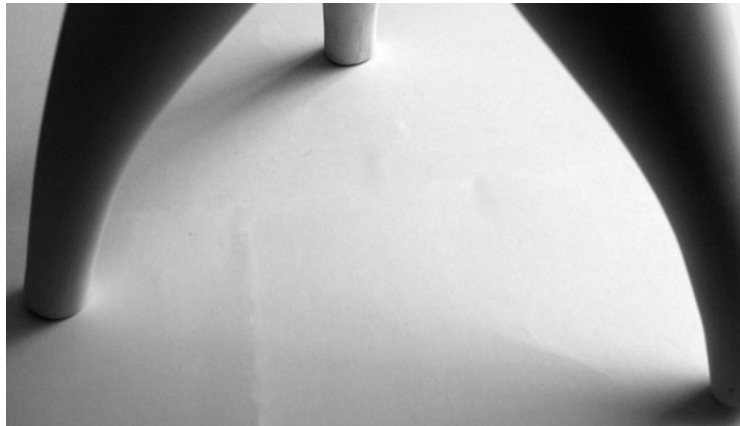
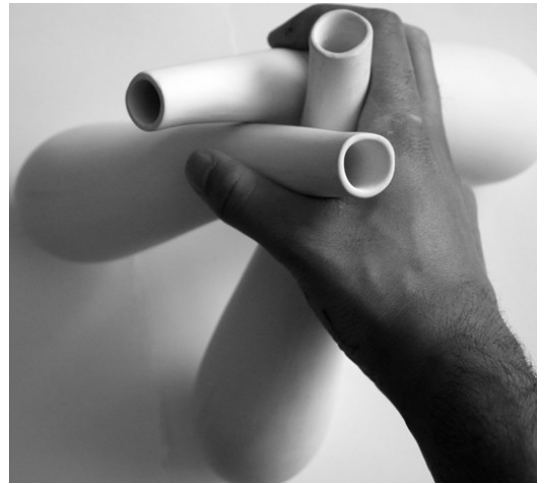
I like the simple curves, the way the shape flows from top to bottom.

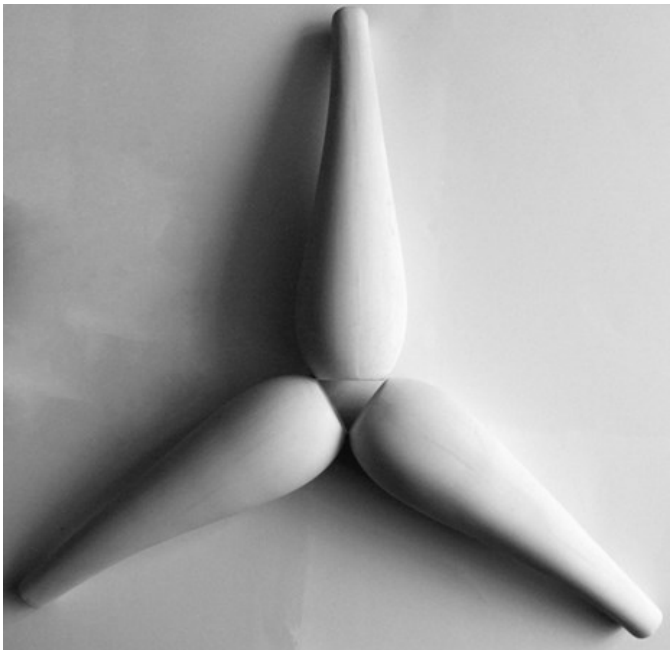
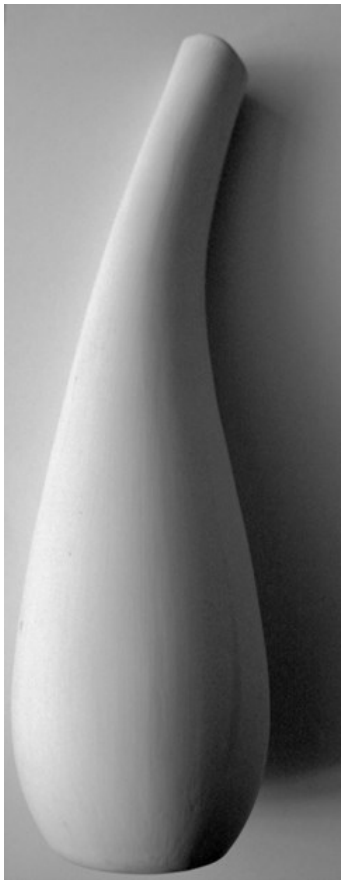
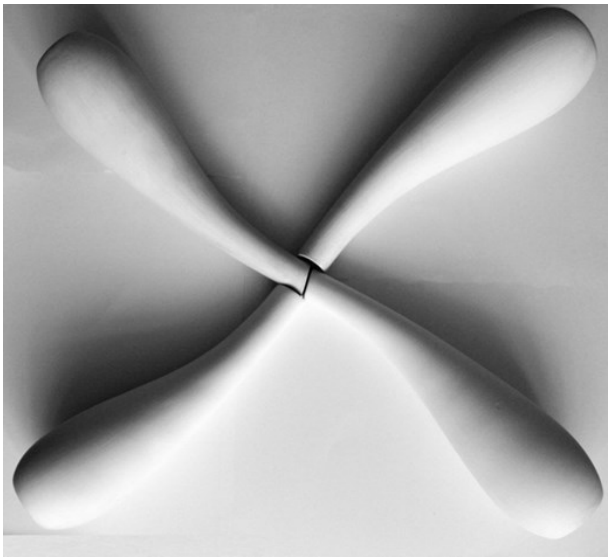
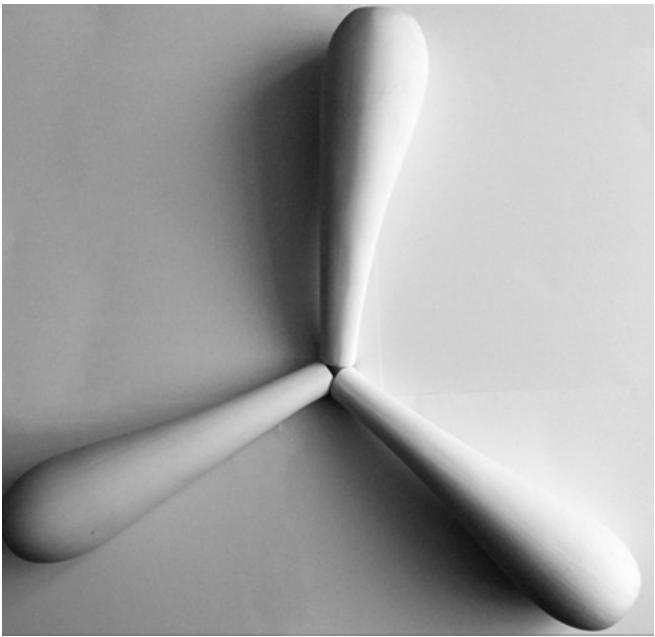
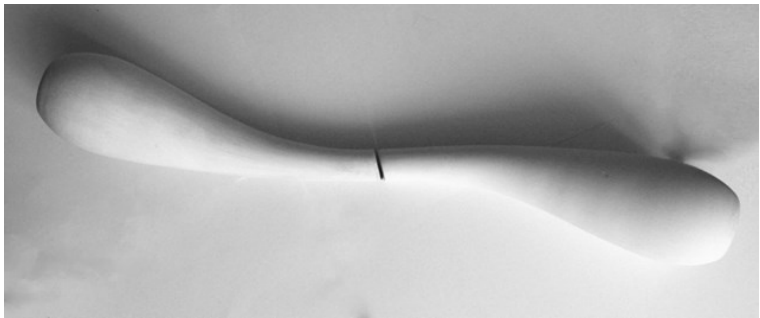
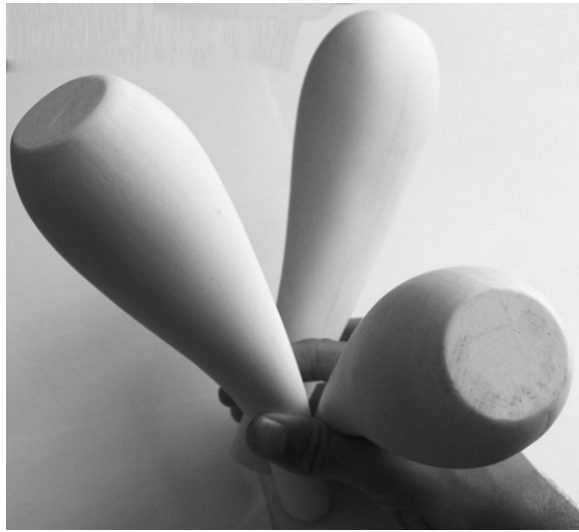
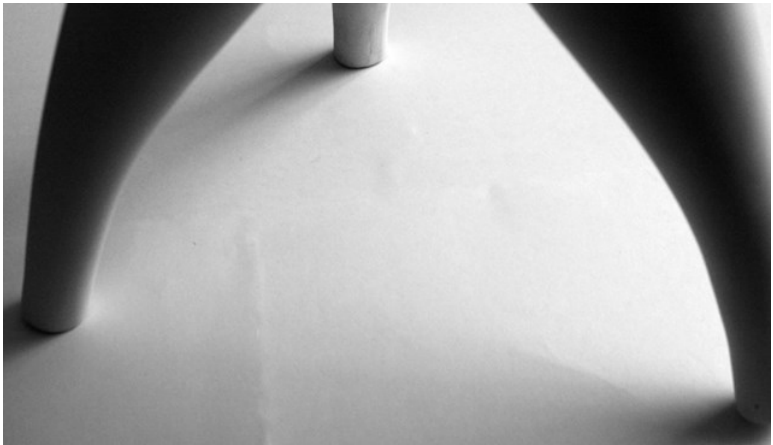


Different arrangements of my model



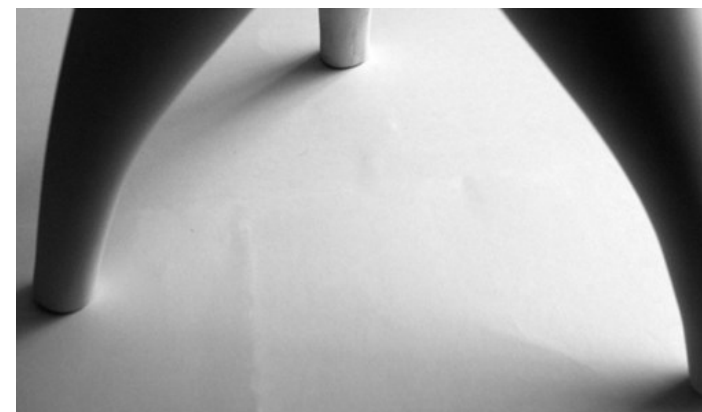
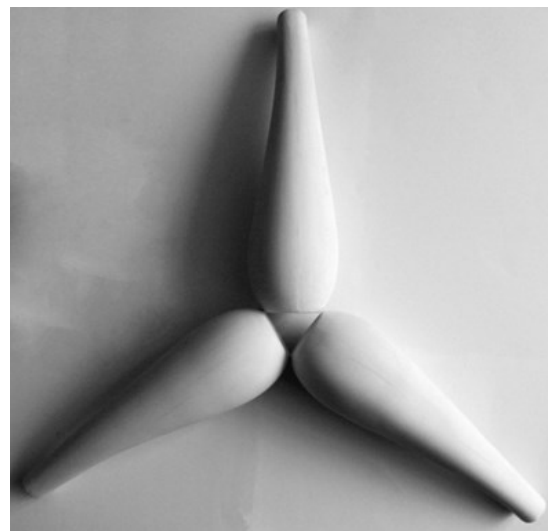






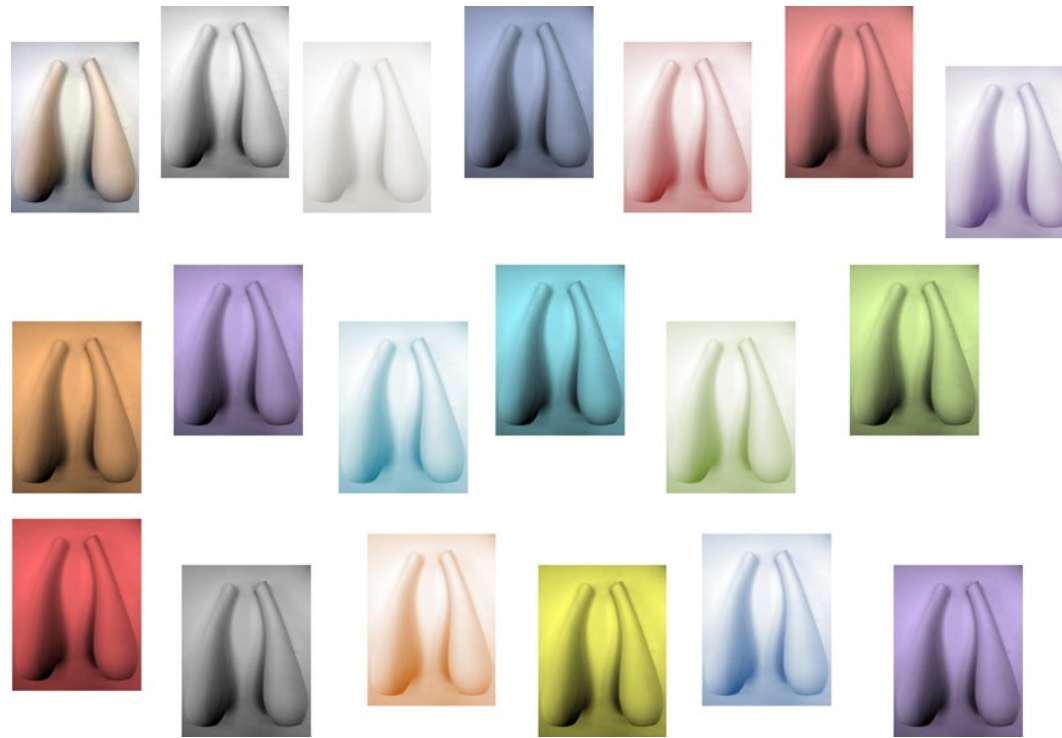


My chosen layout



This my chosen position, I decided to go with 3 vases as this create a symmetrical dimension to the design. This enhances the design in elegance and strength as I'm placing a plate, the load will be distributed evenly.

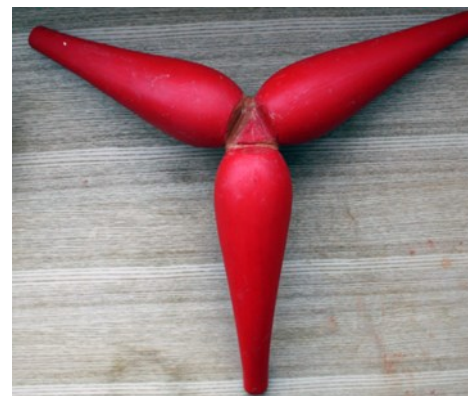
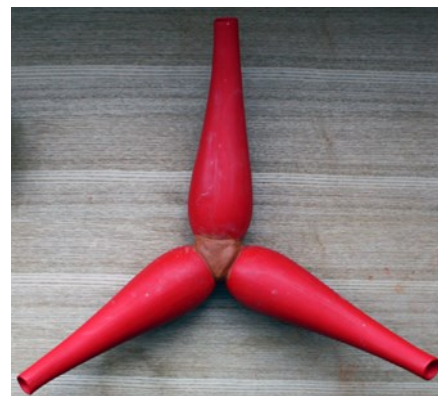
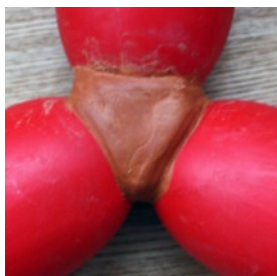
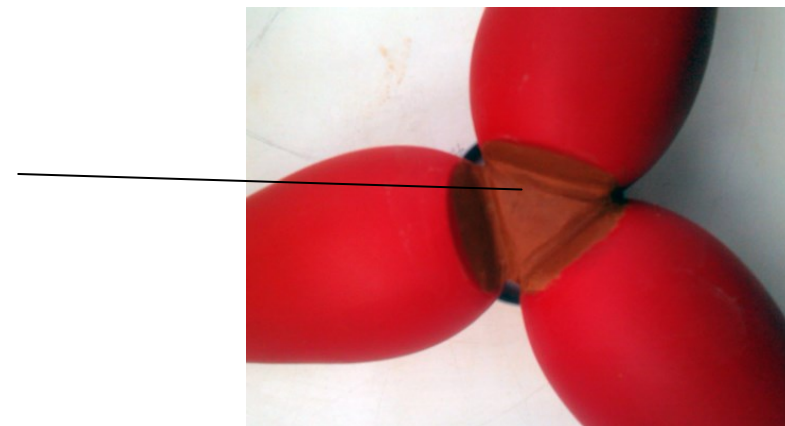
My Chosen Colour



My choose colour is **RED** as it's vibrant, this will give contrast and depth to the cake stand. I'm using a spray paint called '*Liquitex Artist Acrylic Spray Paint*' the specific type of red is '*Cadmium Red Deep Hue 5* and *Cadmium Red Medium Hue 5*'. I'm combining the two differnt reds to create a two toned effect which will inhance the over all design. The two sides of the model top and bottom will have a slightly differnt shade of red to create contrast and a two toned effect which is very difficult to achevive.

Connecting the 3 models as one

To hold my chosen position for the cake stand in place I used a two part epoxy putty called '*milliput terracotta*' this holds the 3 models in place, when placing the transparent glass plate the cake stand needs to be strong enough to withstand the applied load (plate and cupcakes).



Glass blowing: plate for cake stand

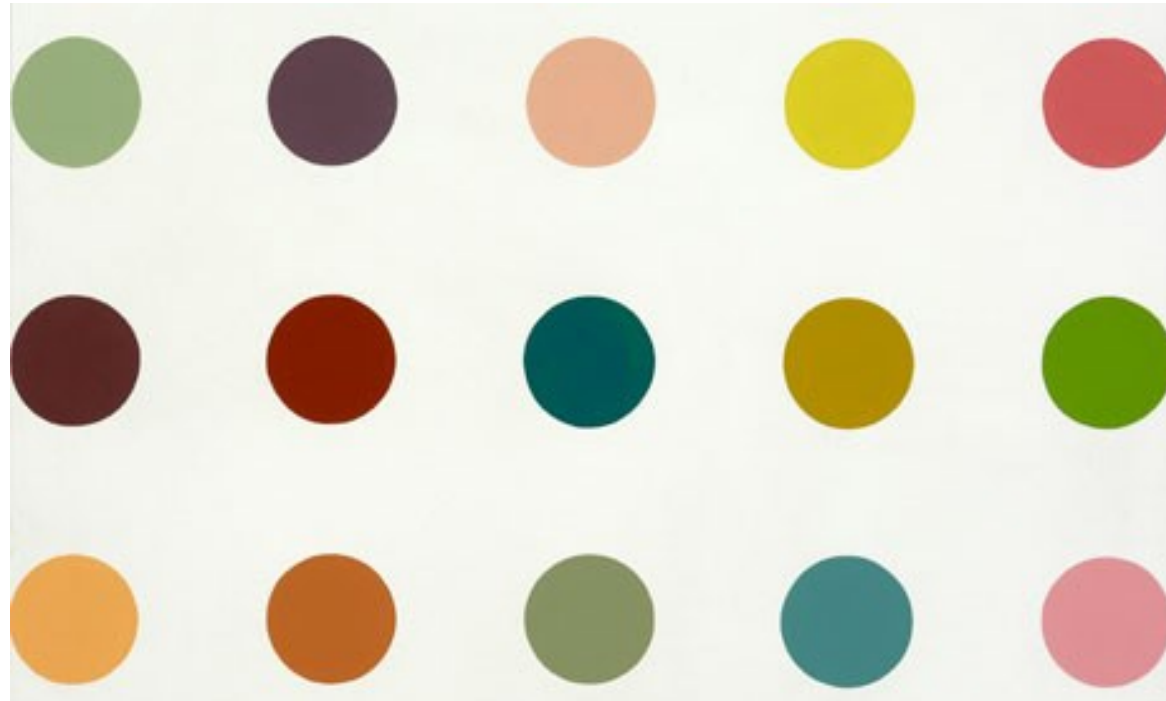


Different displays of the cake stand



This design gives the user choice, they have the ability to remove the plates decide in which way they want to place the cake stand top or bottom. The cake stand can even be a table piece with the plate removed.

Inspiration



Damien Hurst *'Dots'*

I like the simplistic nature of this work, I would to transfer this to one aspect of my work for the cake stand. The plate creates optical illusions which add another dimension to the cake stand.





Inspiration



BLACK RED WHITE

BLACK RED WHITE

BLACK RED WHITE

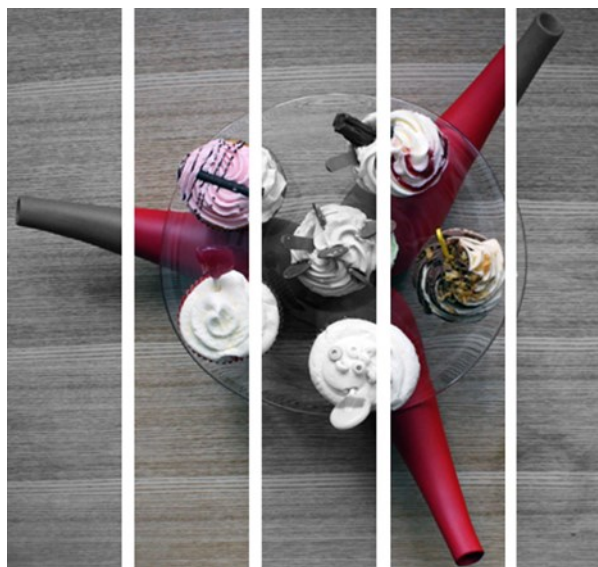




Inspiration



This is inspired by a flower opening it also reminds me of a hand, it's trying to invite to the user to '*come and eat*'. The glass plate gives the design an added elegance and sophistication, it allows the user to see the complete design.



The Final Design



These 3 positioning's are my favourite displays. What I like about my design is it gives the user choice, either removing the plates to create a table piece (sculptor) as well as choosing their own plates to suit their own needs. They can even choose in which way they want to display the cake stand top or bottom. I like the contrast between red, white and black, which gives the cake stand an art deco feel. The glass plate enhances the design by exposing the entire sculptor which gives style to the design.



Reuse Project



My Chosen Material: WOOD

Wood is primarily recycled by being reused it can be sawn down and have its appearance drastically changed to suit a different function. The wood can be shaved and used in landscaping as chips or it can be mixed with other materials to form polymer alloys and also it can be used in a commercial, industrial and even domestic capacity as an absorbent.

What else can be done with wood?

Wood from your own home could be used to make other items such as shelves or even shaved down and added to your compost heap.

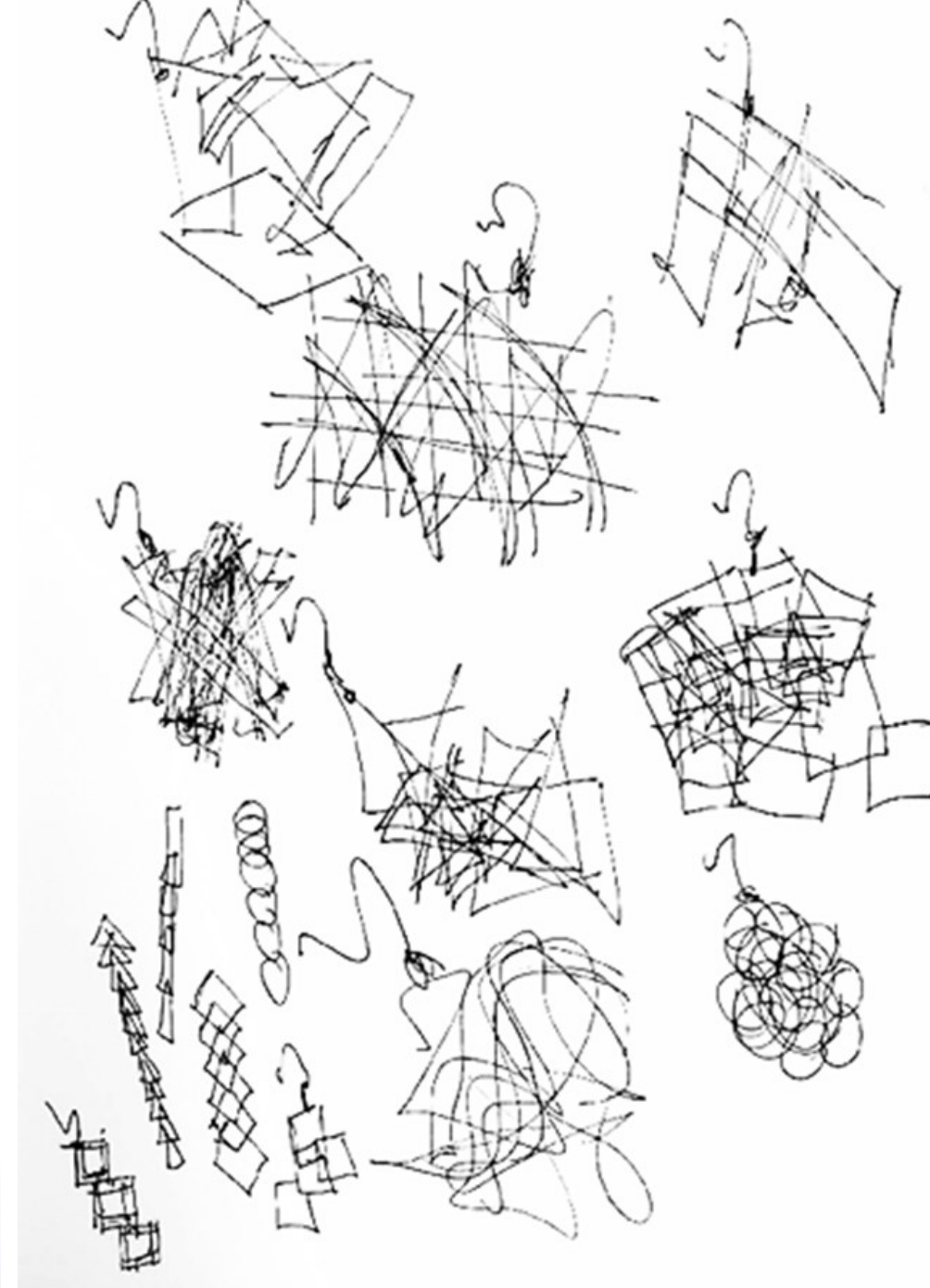
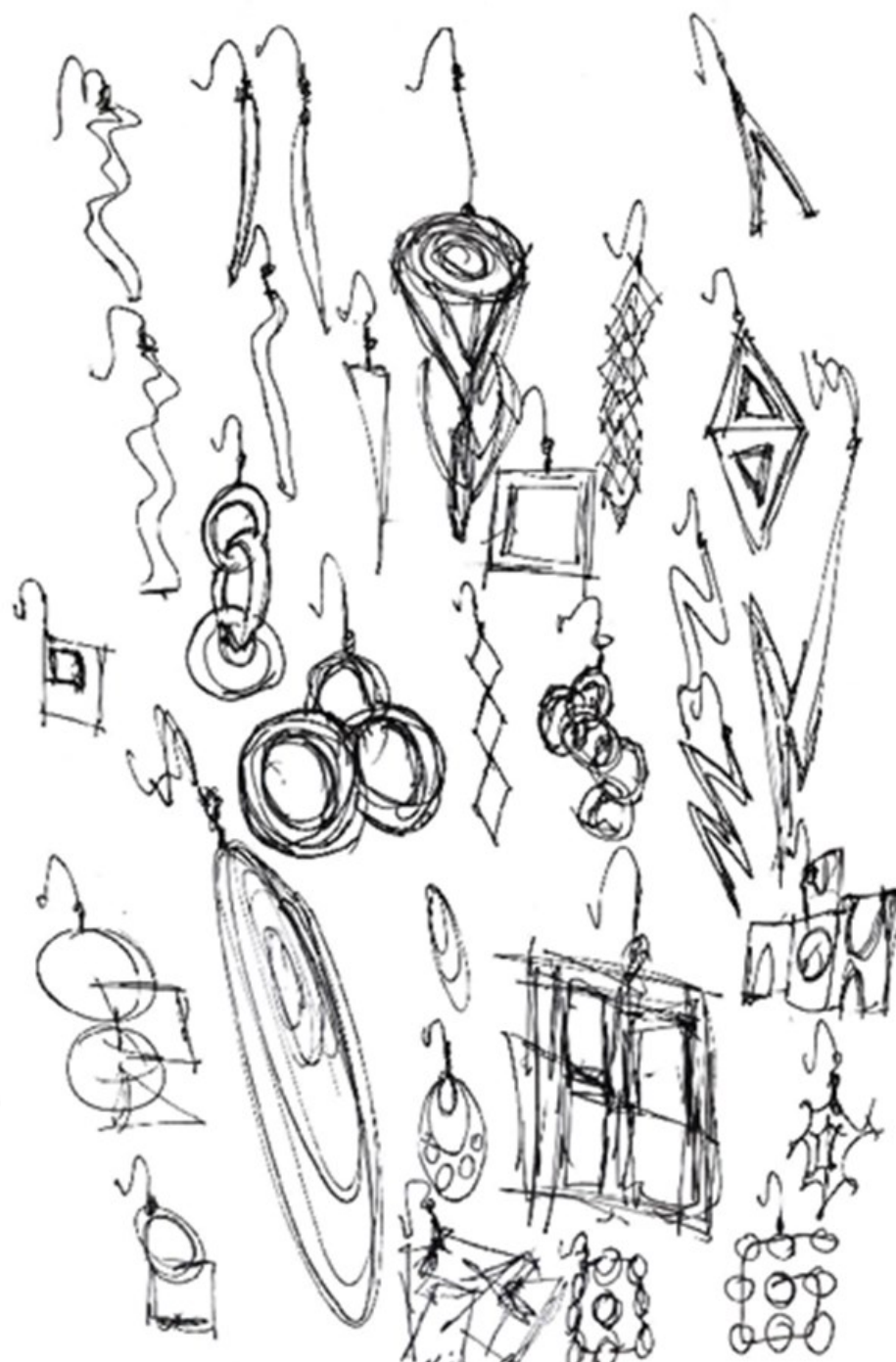
Woods can be recycled in the following manner using the wood as mulch by chipping them into small pieces. As a composting agent sawdust can be used as a bulking agent to improve air flow and decomposition. Pet Bedding – Untreated material can be used for pet bedding, Chipboard and Medium Density Fibreboard (MDF) – these are produced by mixing chipped wood with a resin and applying heat and pressure to form a board.

Market Research for my chosen idea: Earrings

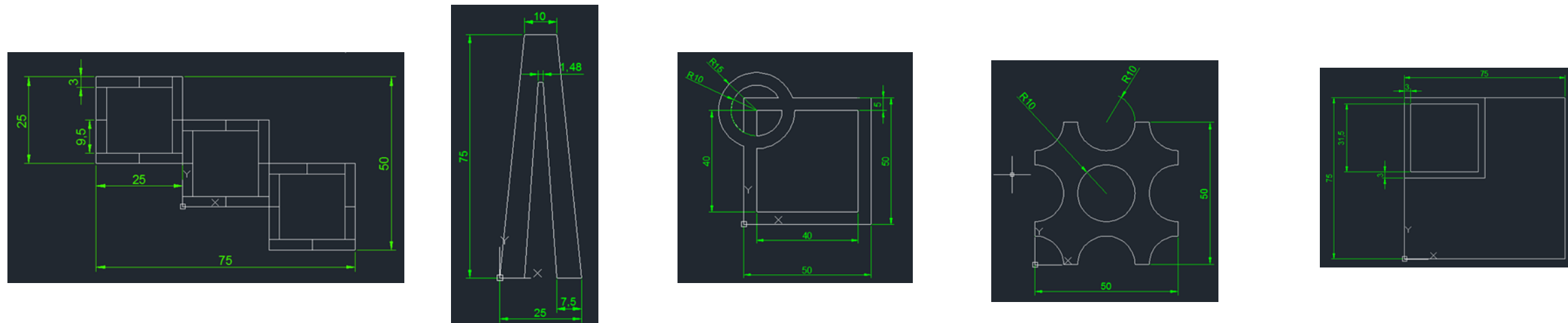


Initial Ideas

Sketches of earrings

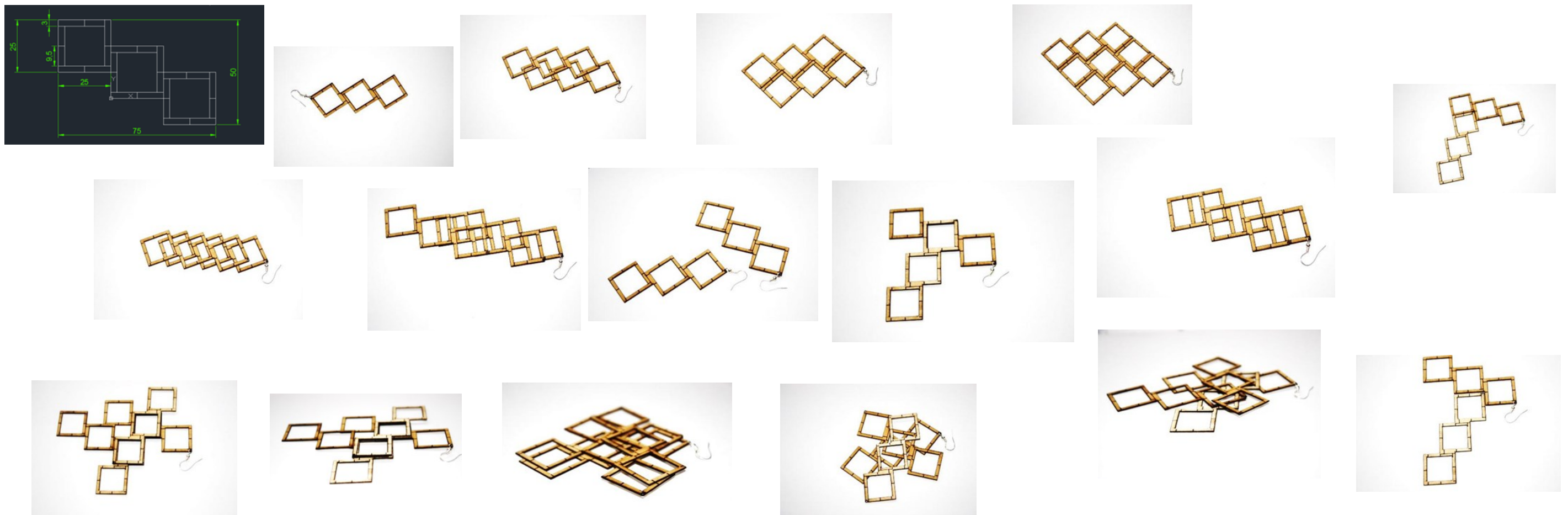


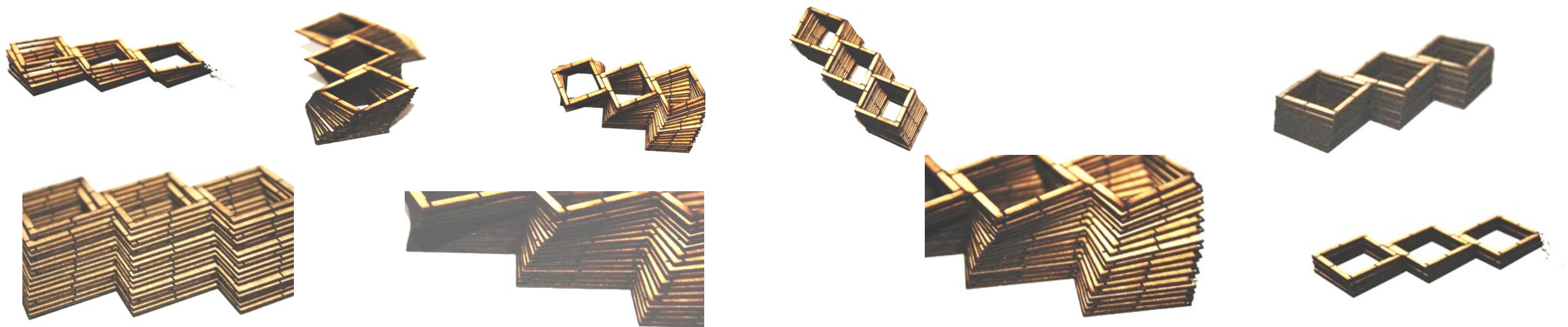
Initial Ideas(2-D)



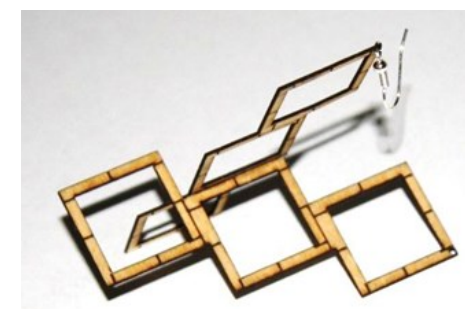
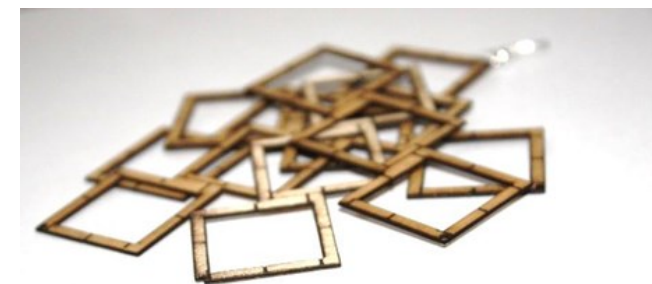
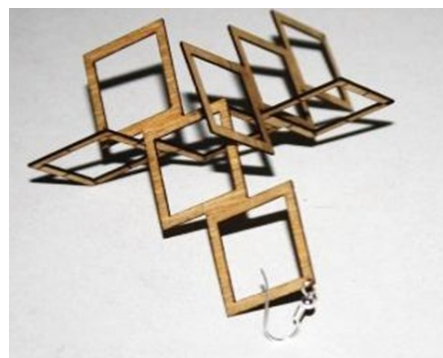
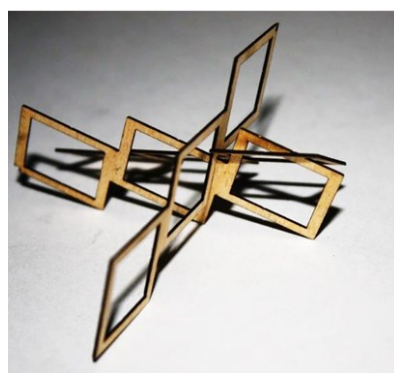
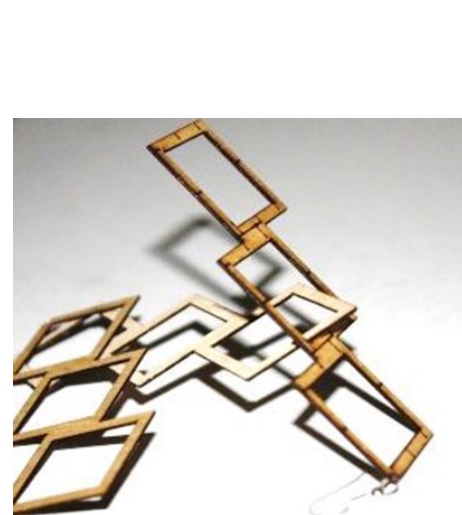
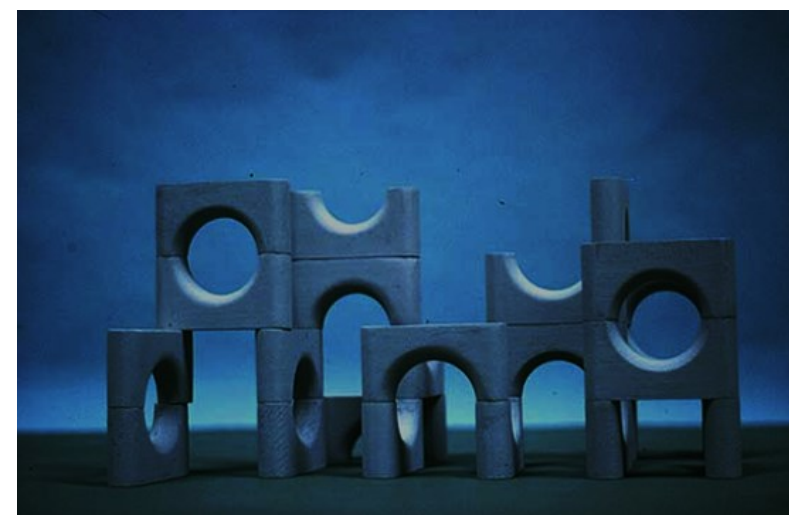
I've created 5 Auto CAD drawings, that could potentially be my chosen earrings. For the chosen design I will laser cut them by saving them as a DXF file. I believe the laser cutting process will give the earrings a sharper quality finish and more of a symmetrical finish.

Different arrangements of my chosen drawing





Inspiration

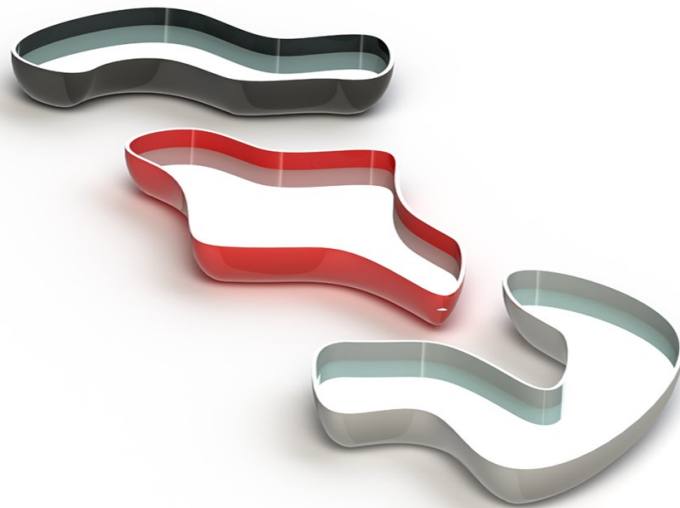


Final Design



Splash! Bowls

Encouraging Social Interactions Through Dining



By Imran Javed

Content Page

What's the purpose of Splash! Bowls?

Development of Design

2-D Drawings

Male Mould

Manufacturing Process of Corian

Corian Bowls

ABS Moulds & Spray Paint

Development of Design

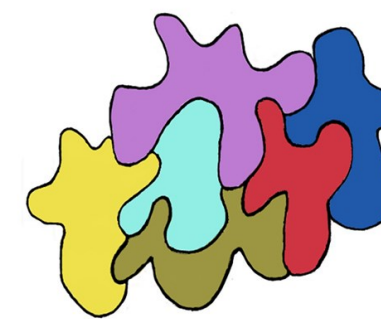
What's the purpose of Splash! Bowls?

The aim of the project is to 'Encourage Social Interactions Through Dining.'

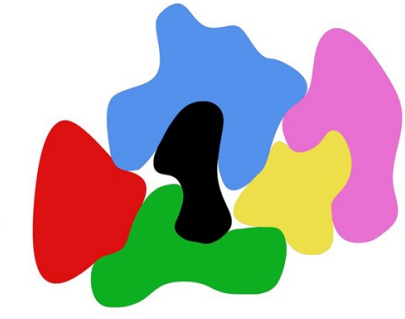
To create a social dining experience focusing mainly on bringing strangers together.

Getting strangers to communicate voluntarily is a difficult task; in order to do this successfully I looked at psychological research in order to find ways of gently encouraging strangers to socialise.

For a new social dining experience, I decided to place strangers around round tables with the buffet in the centre of each to provoke socialisation. Usually buffets allow people to get their food and then carry back to their individual tables, however, by having the buffet at the table there is nowhere else for customers to retreat. The design will be fun and interactive where user can take the bowls apart and share among themselves.

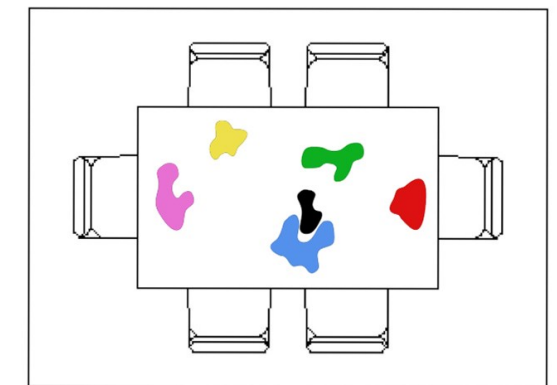


Initial Sketches of Concept – Own Work

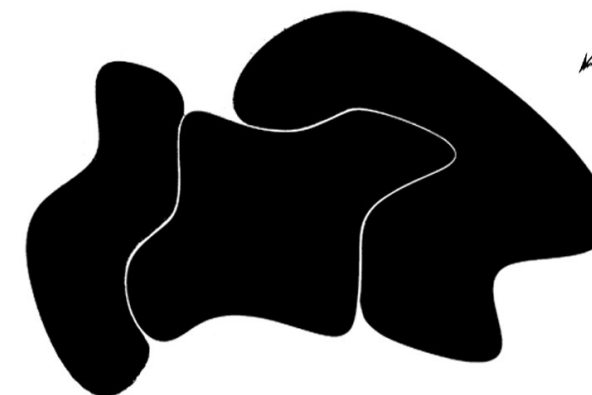


Improved Sketch of Concept – Own Work

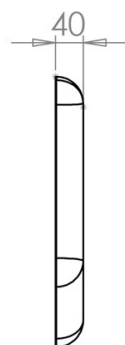
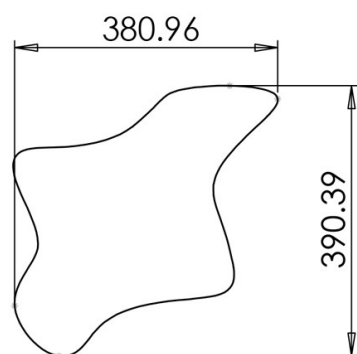
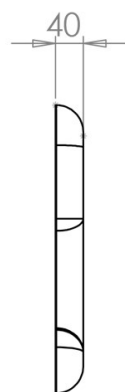
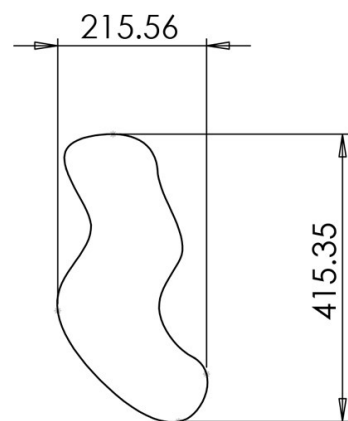
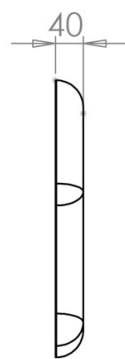
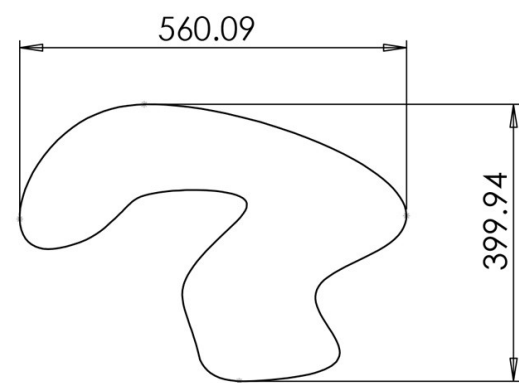
From my Initial Sketch to my improved Sketch of Concept; I had to alter the design. This was due to sharp curves which cause under-cuts when vacuum forming or using a bag press.



Sketch Scaled on Dining Table – Own Work



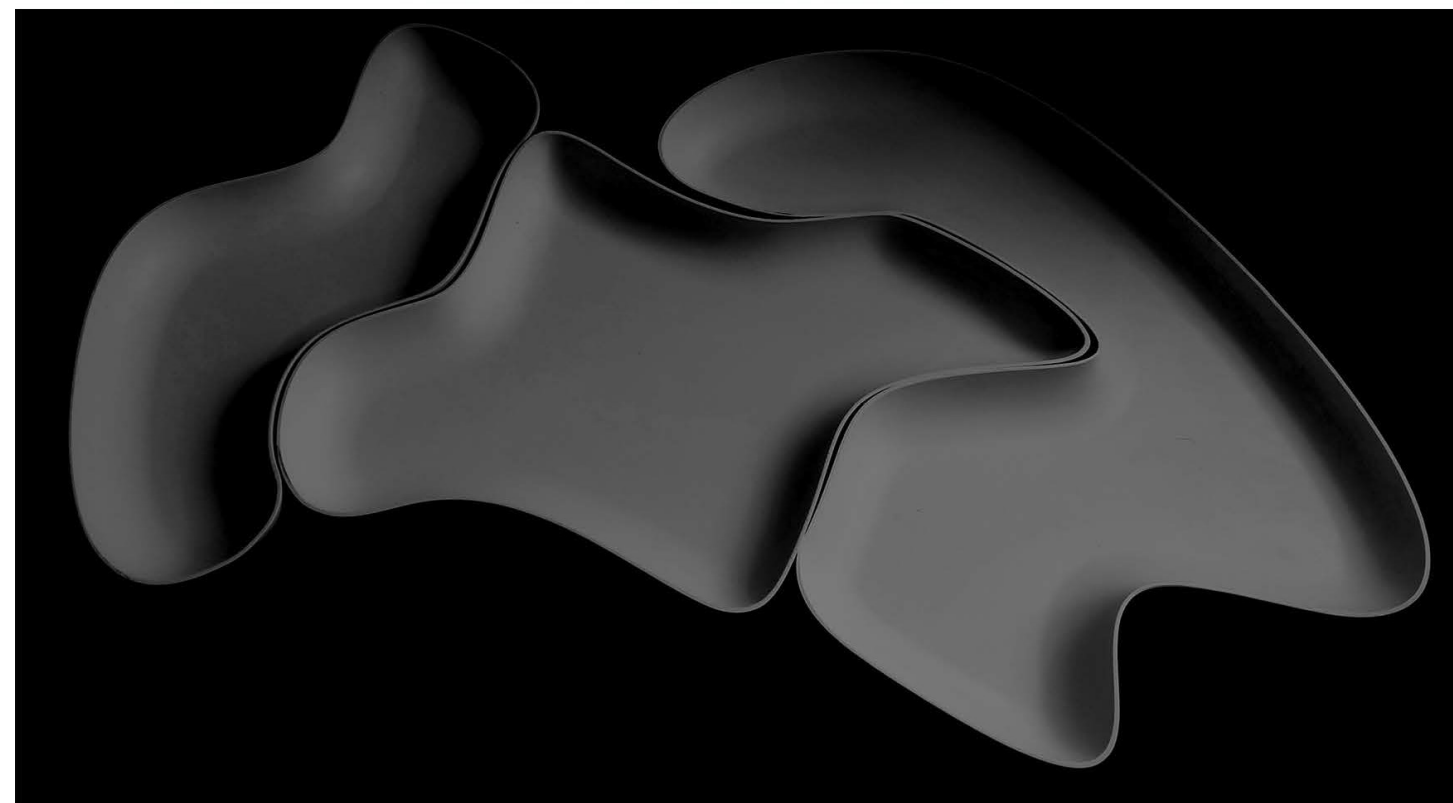
I decided to reduce the number of bowls to three, due to their large nature. Having odd numbers is a very collective occurrence within the design community. There are also better colour combinations within a three. I decided to stick with my original sketch of concept as there are no gaps when the bowls are interlocking.



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
NAME		SIGNATURE		DATE		TITLE:		DWG NO.	
DRAWN						Splash! Bowls 2D Drawings			
CHK'D									
APPV'D									
MFG									
Q.A						MATERIAL:			
						WEIGHT:		SCALE:1:50	
								SHEET 1 OF 1	

Male Mould

MDF Male Mould where created by using software called SOLIDWORKS. I saved the file as a DXL file to be sent for CNC machined. Which is a process needed to create the mould. The moulds need to be sanded down to prevent marks from showing once thermoformed.



Manufacturing Process of Corian

This the process for manufacture to heat the Corian to 170°C, then used male former for bag press.
As Corian does not compress I have be left with antennal material therefore I removed excess material.
I also used translucent material to see if you could use more of the acrylic element to reuse the radius.

Standard Corian is 2/3 stone and 1/3 acrylic.

Whereas the translucent 50% Corian/ acrylic.

1



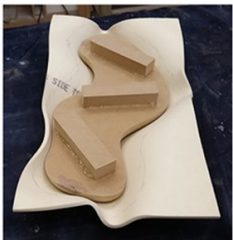
Wooden blocks placed on to moulds to allow Corian to cover the entire mould during bag pressing.

2



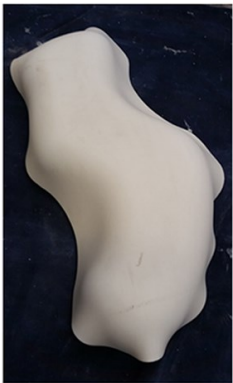
Bag over males moulds, this is to see if the Corian will form around the various angles.

3



Corian bag pressed over mould (After).

4



Excess Corian trimmed.

5

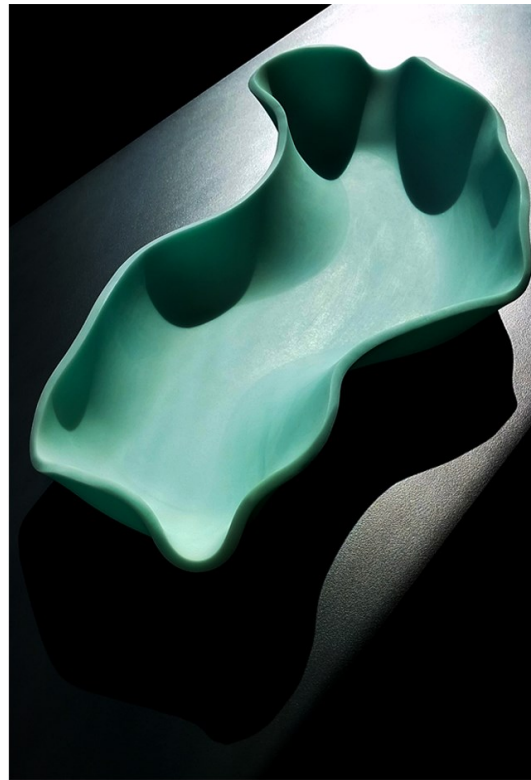


Final bowls where edges have be routed and sanded off to produce a smooth finish.



Translucent Corian
50% Corian/ 50% Acrylic

This was my tester.



Corian



ABS Moulds & Spray Paint

I'm showing the process of the white moulds before and after spray painting.



Spray Painted Moulds



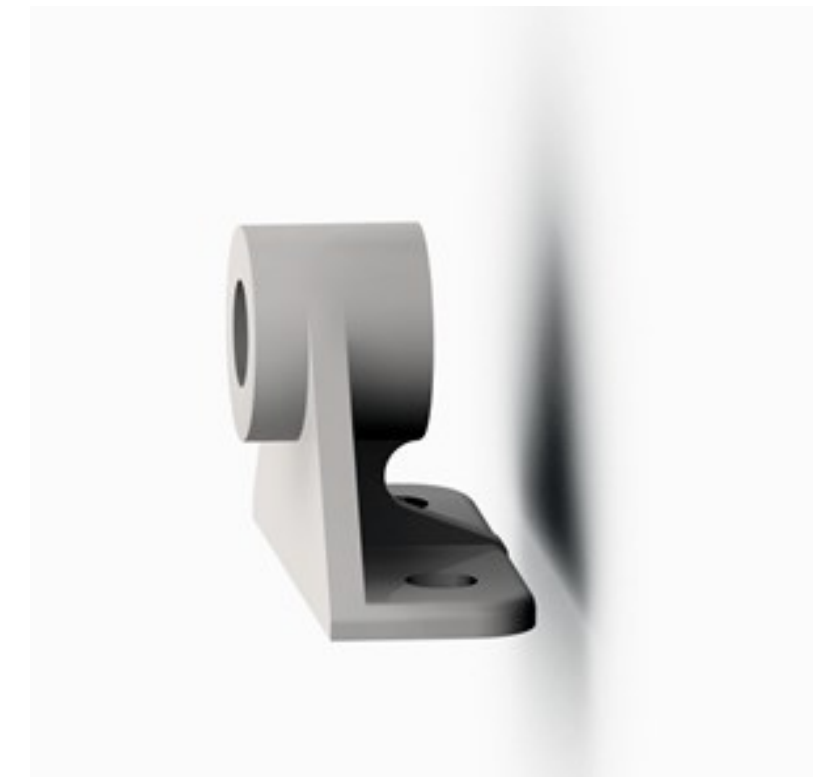
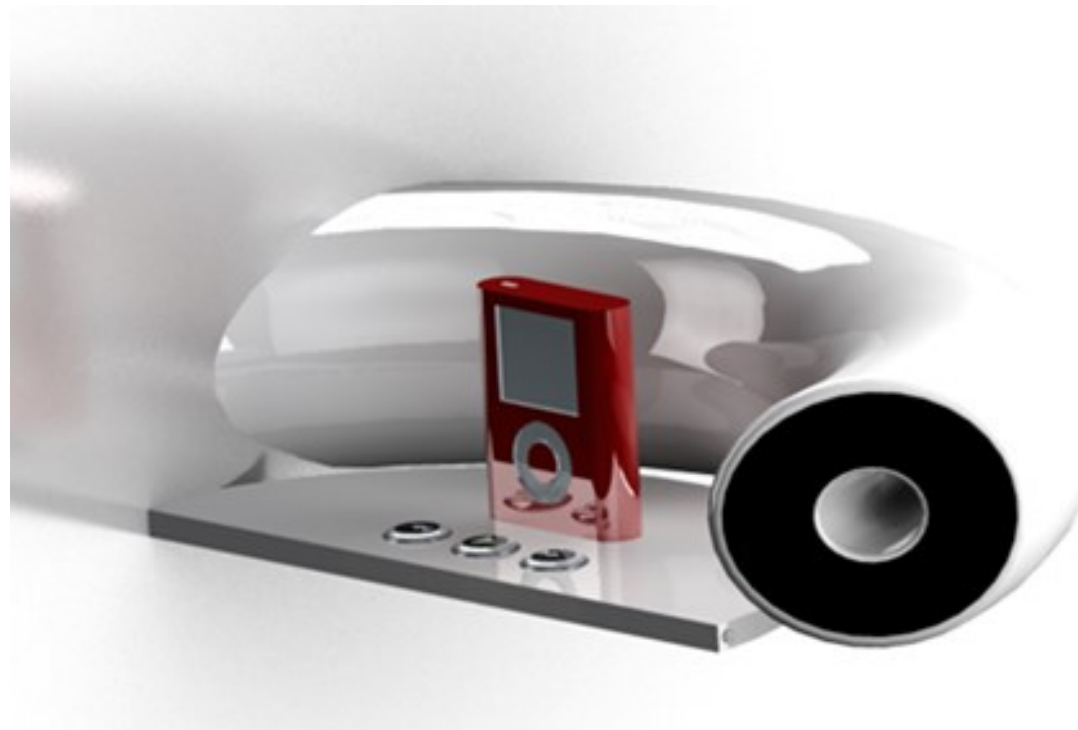
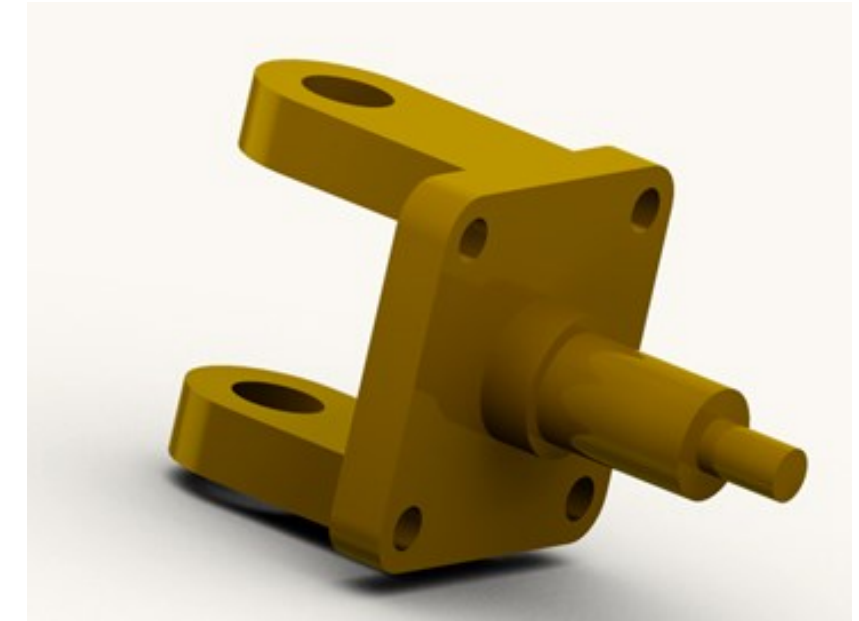
Final Design

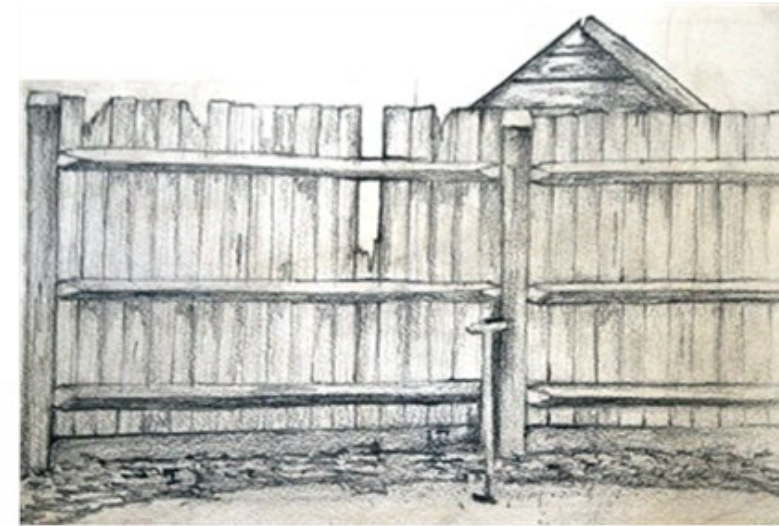


CAD Drawings

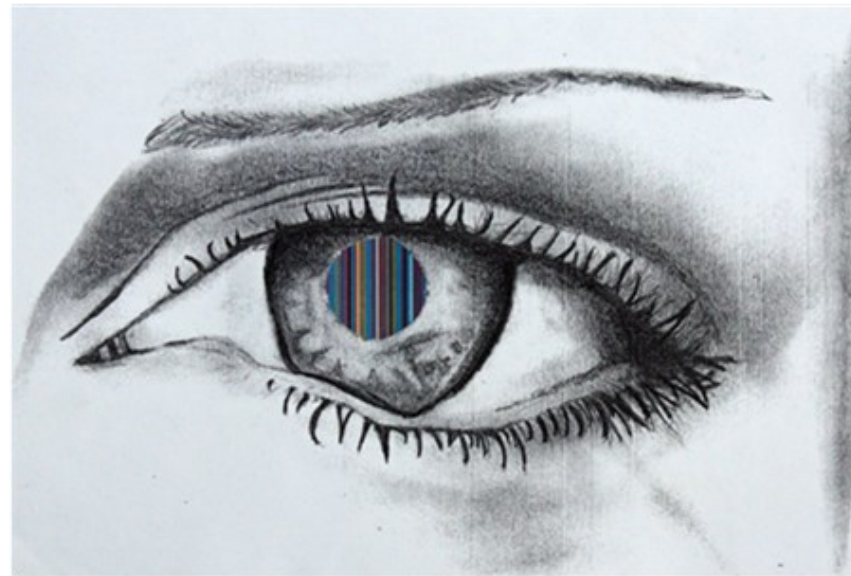


From: [Fluiddesign.com](#) Autodesk

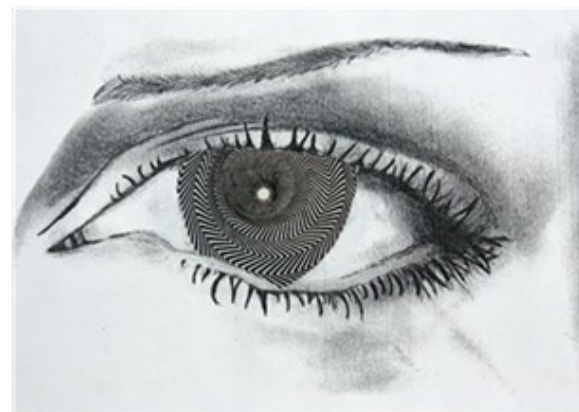
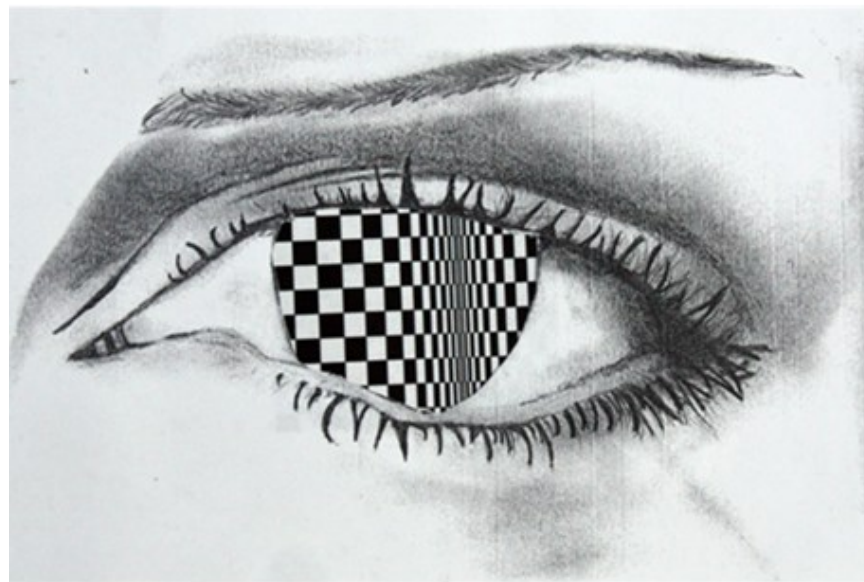




'Sketches'



'The Eye Illusion'



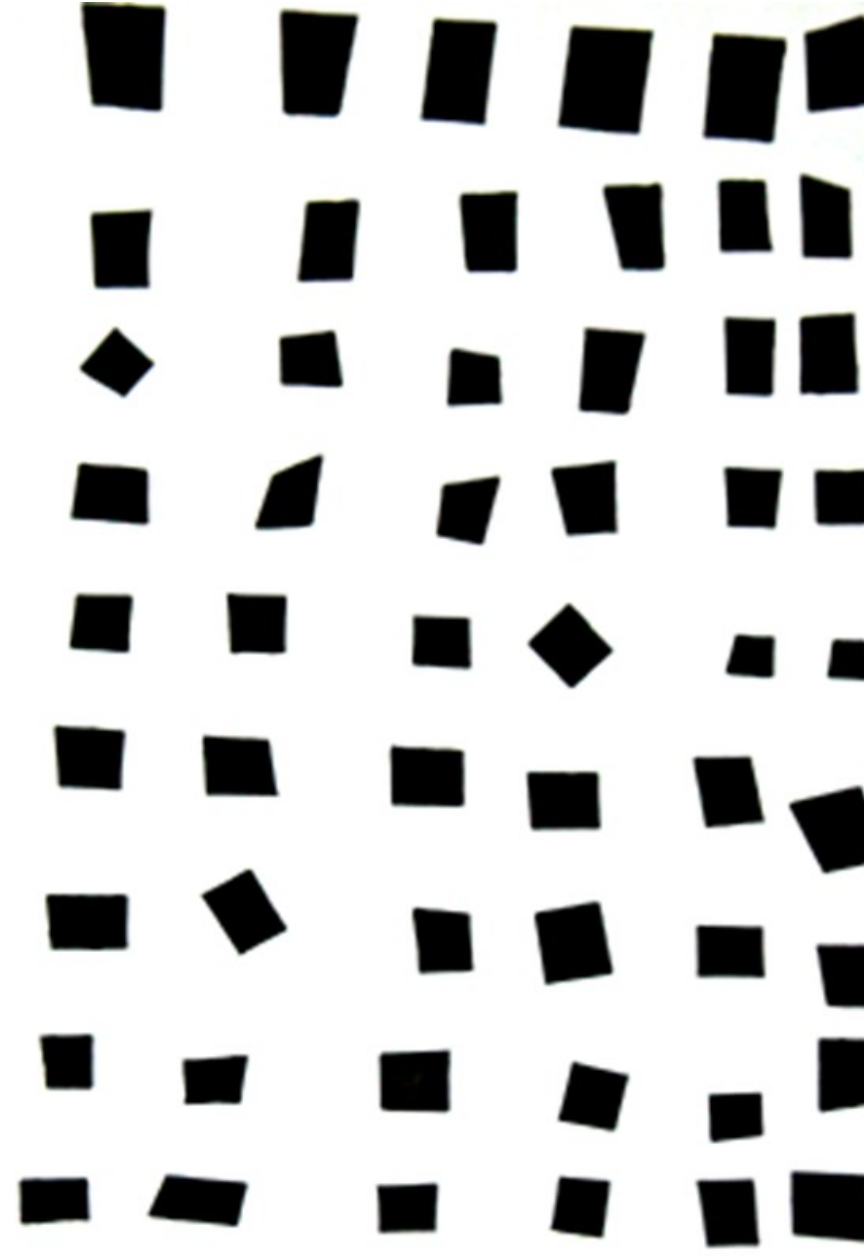
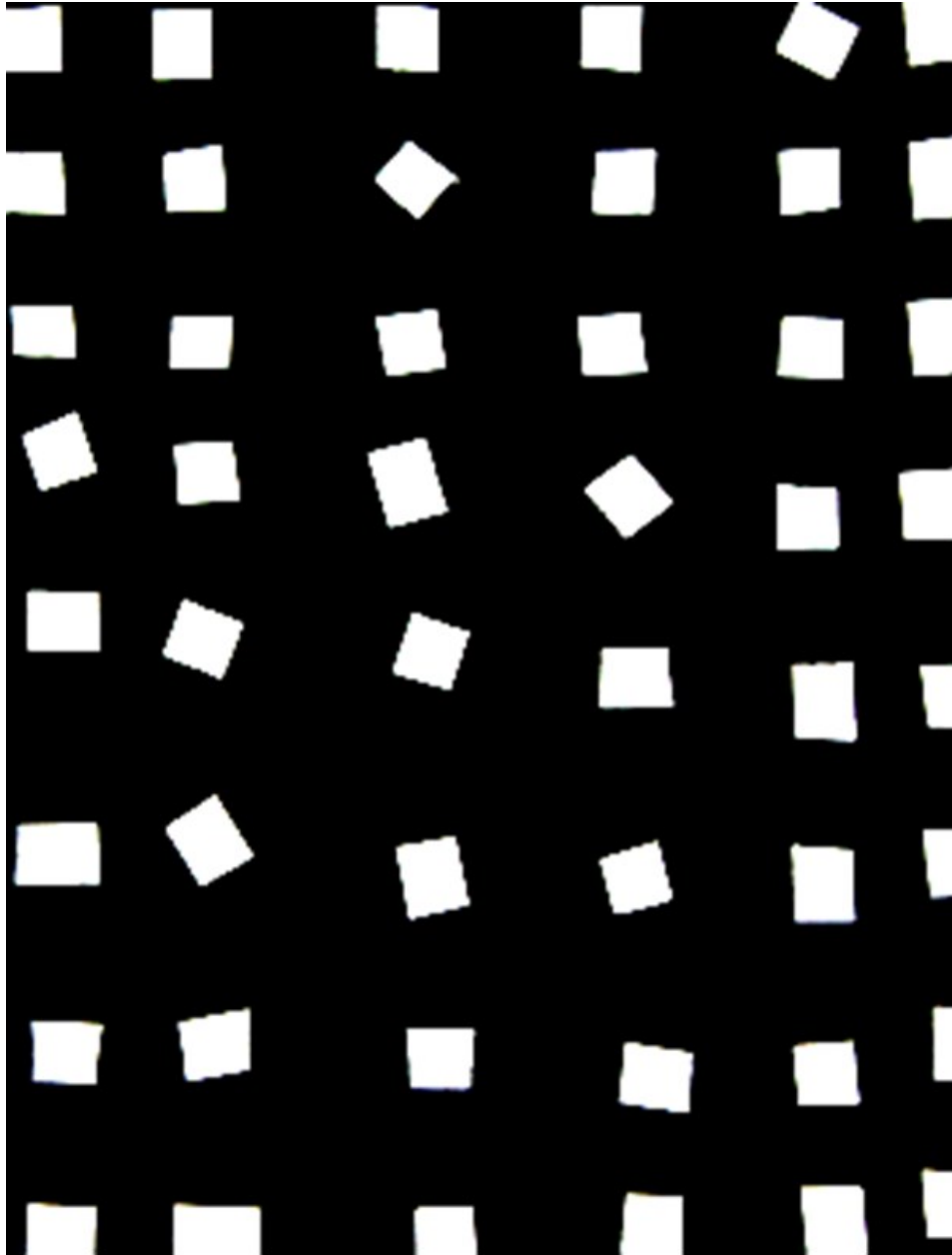


'Op Art'

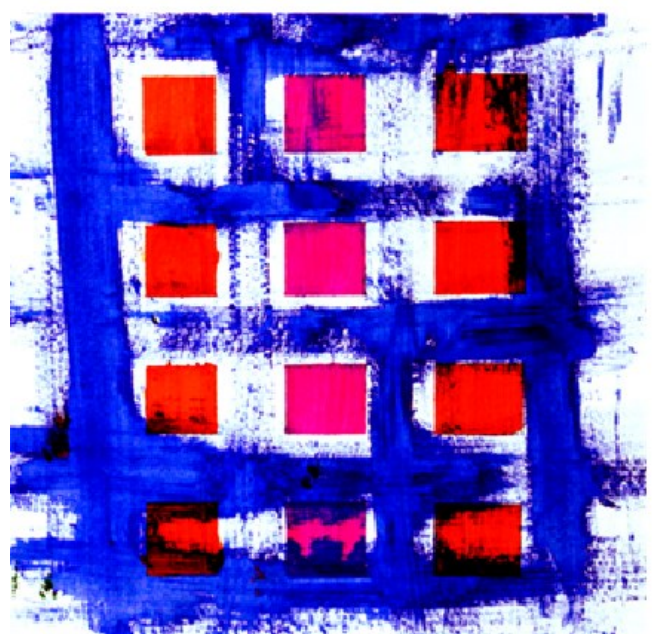
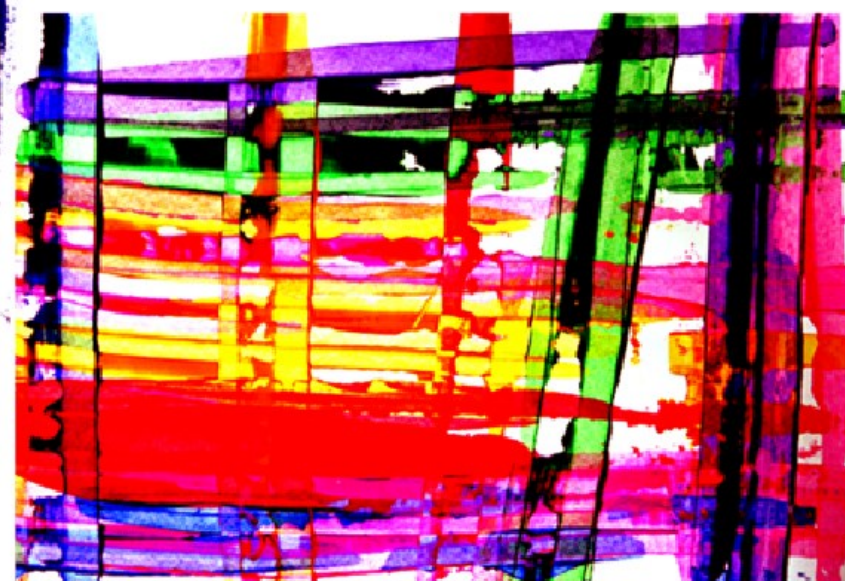


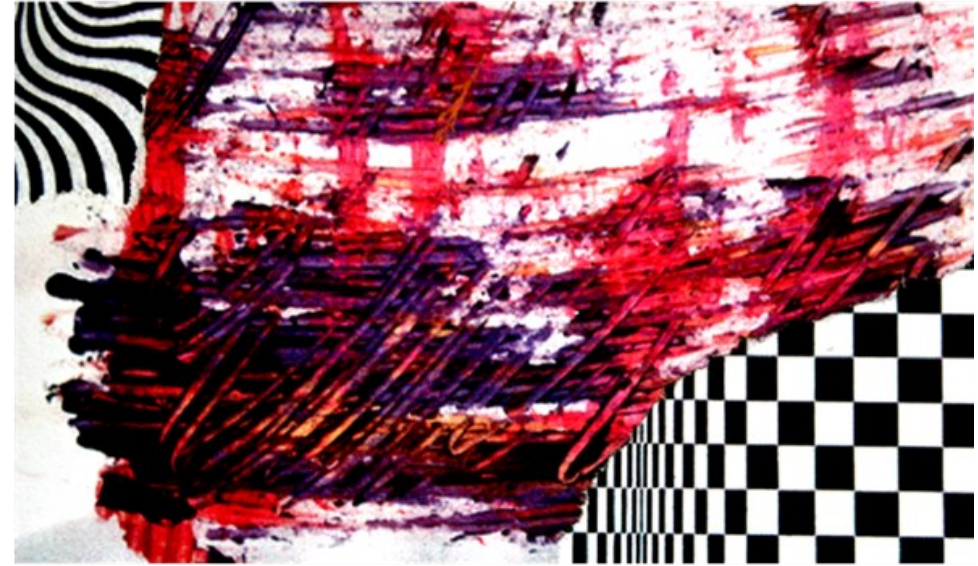
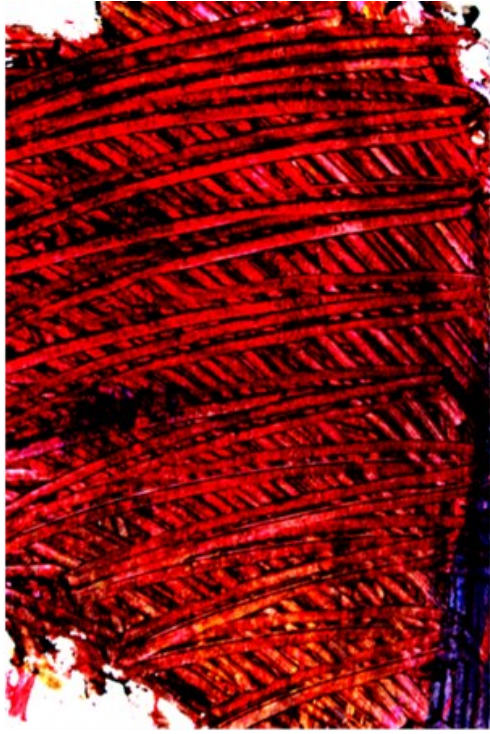
'Opposites'

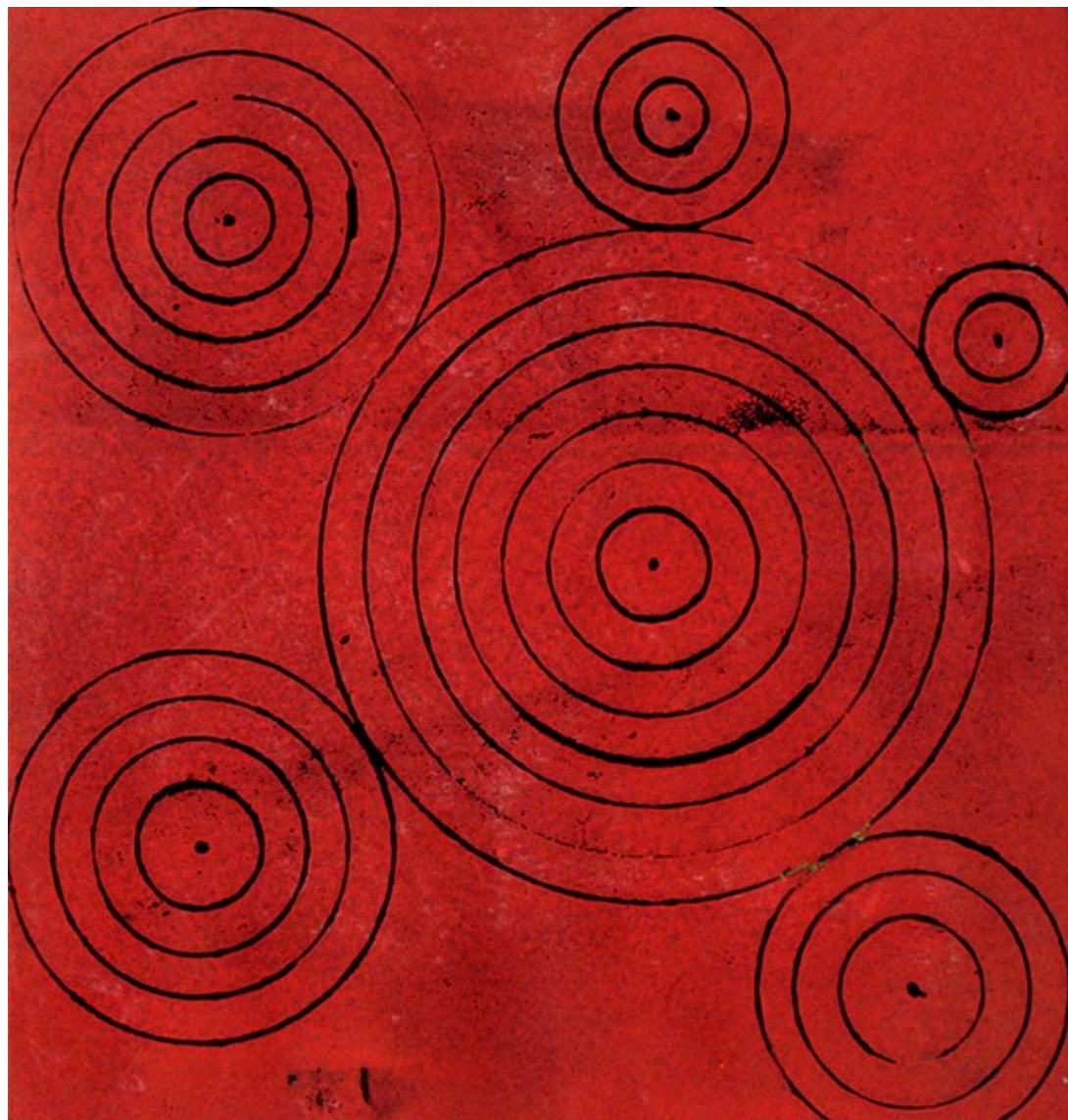




'Black on White & White on Black'







'Op Art Prints'



'Colour'



'Ink Print'





‘What do you See?’

Thank you!

