Zoe Romano- Fabricademy

Modular Fashion

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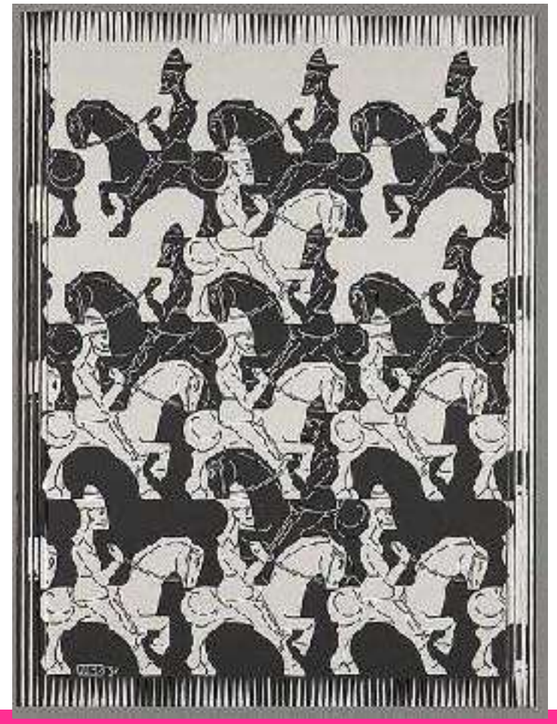
Modular fashion is an approach to the production of accessories and garments using **vector graphic** design of bidimensional **lasercut** modules.
They are then **interlocked** to create complex 3d **seamless** geometries.

What is modular fashion?

In plane geometry, we call **tessellation** the ways of filling a plane with various geometries, infinitely replicated without overlapping or gaps.

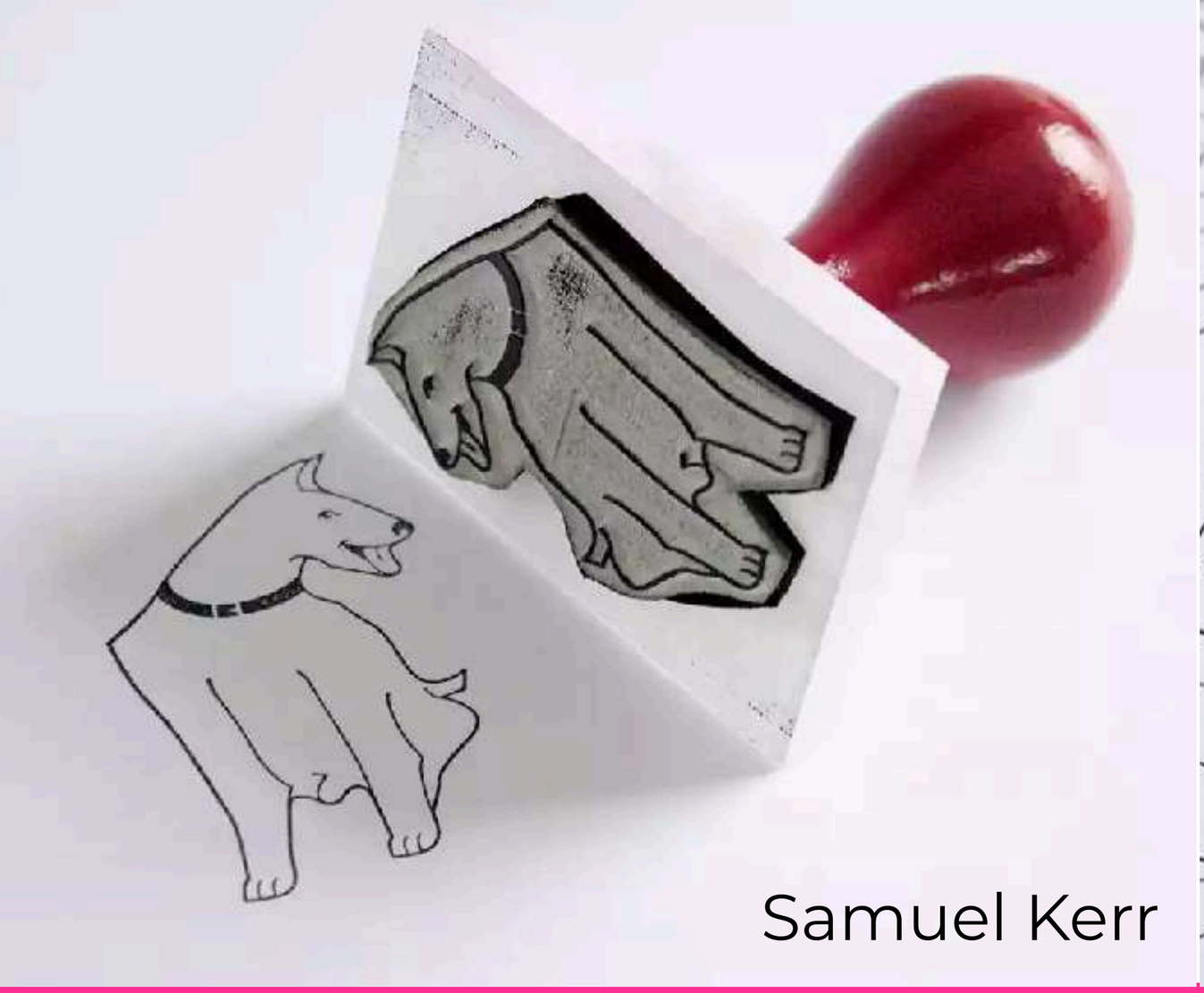
Nature

Art/Illustration

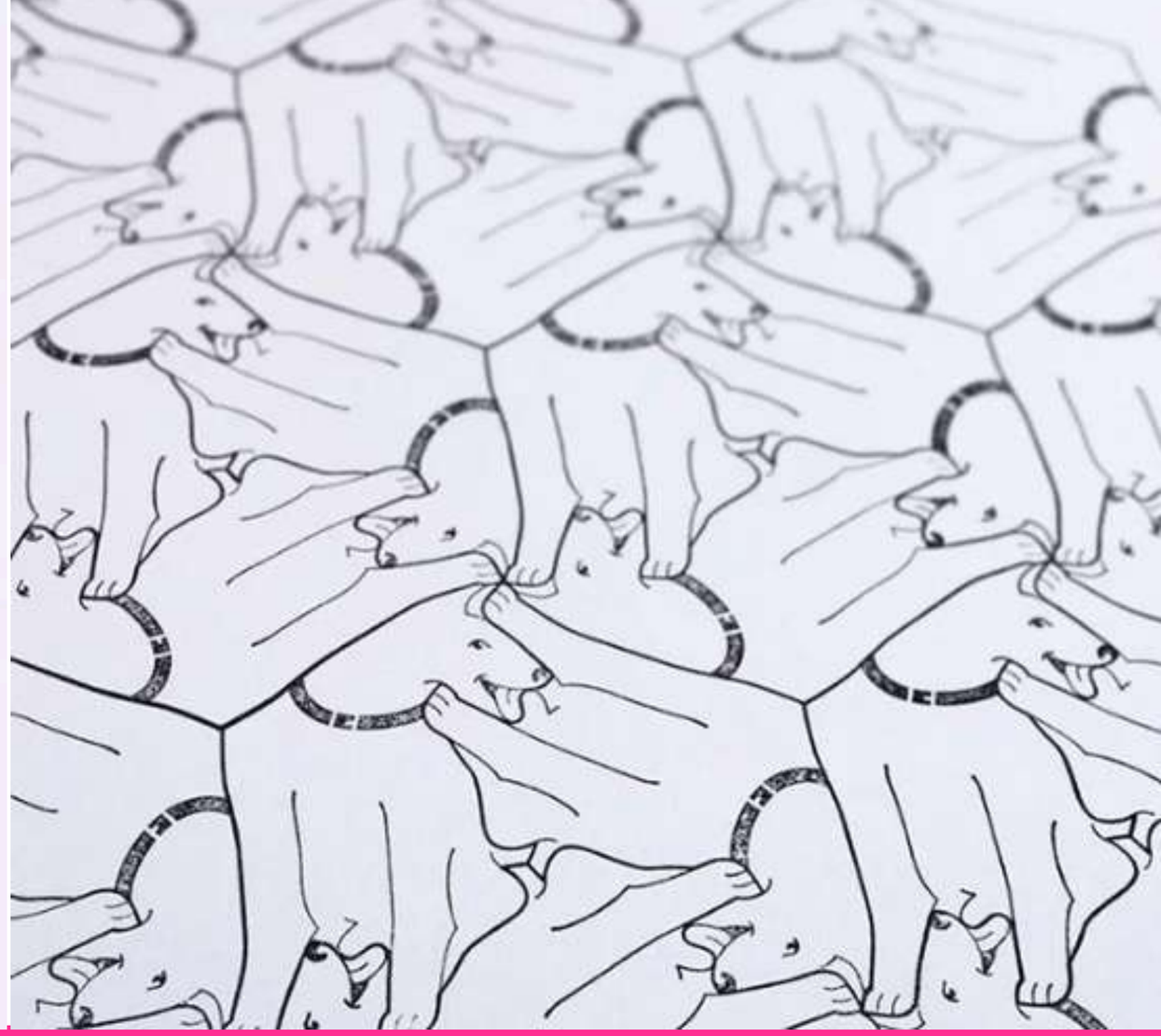


Architecture

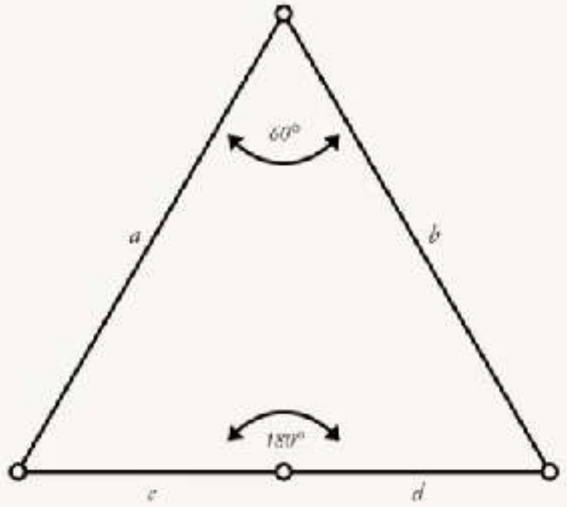
Tessellation and geometry

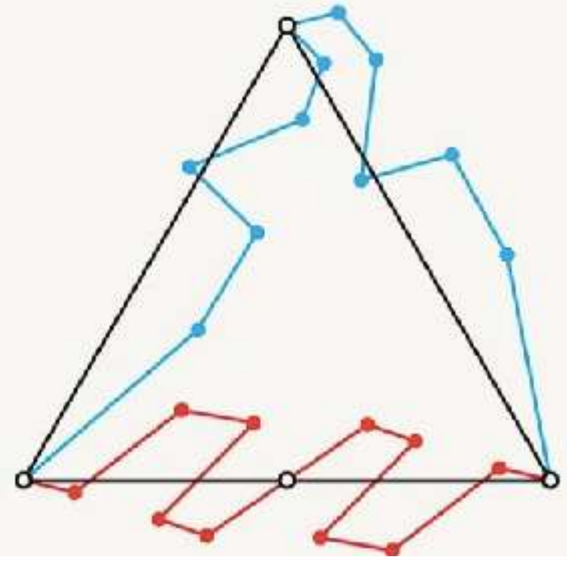


Samuel Kerr



Tessellation and geometry





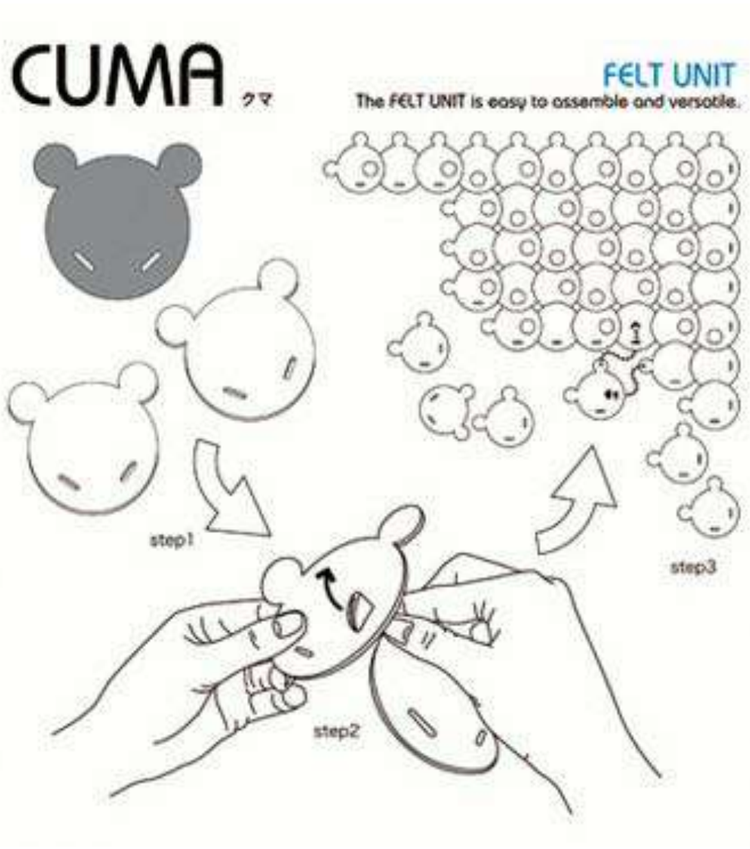
Samuel Kerr

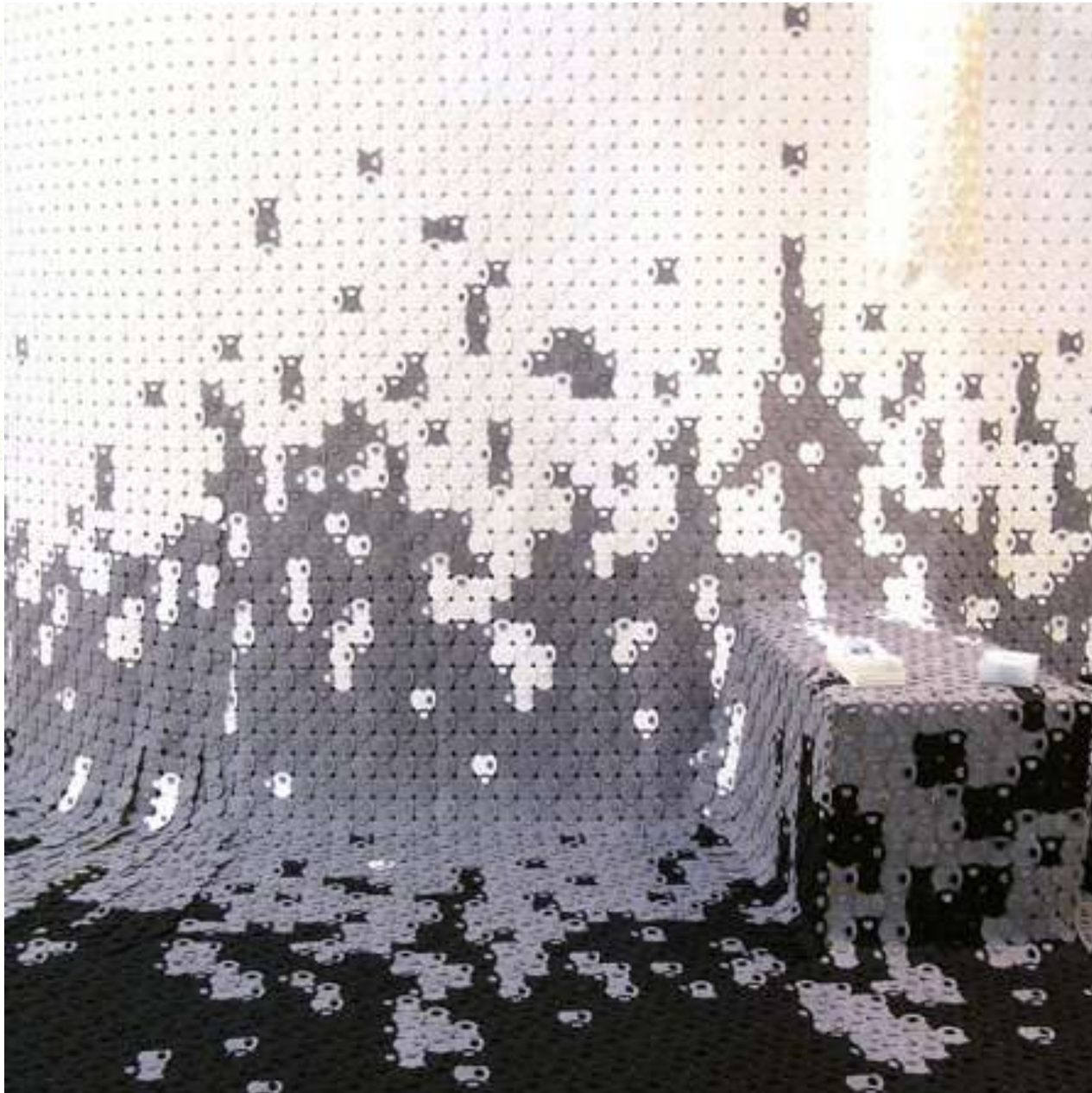
Tessellation and geometry

Any alterations made to the left side are copied and rotated 60° to the right side, so that each side is a perfect fit for each other. The bottom side is divided in half with any edits made to one half copied and rotated 180° to the other, again making them perfect fits. These applied rules are ultimately what will allow the tile to repeat infinitely.

Moda modulare - Examples

TAKEHIRO ANDO





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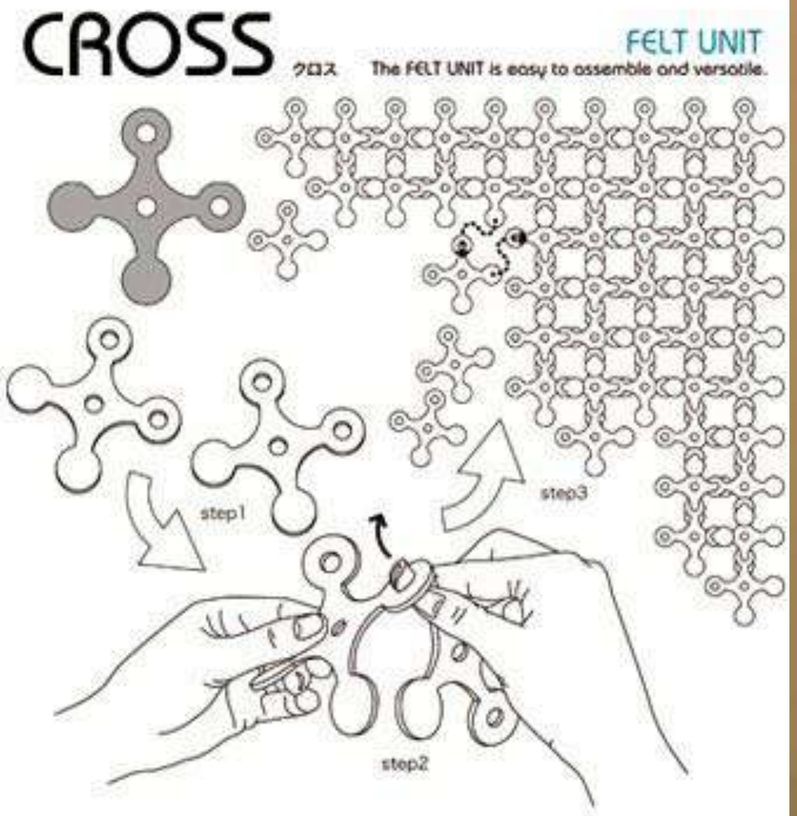
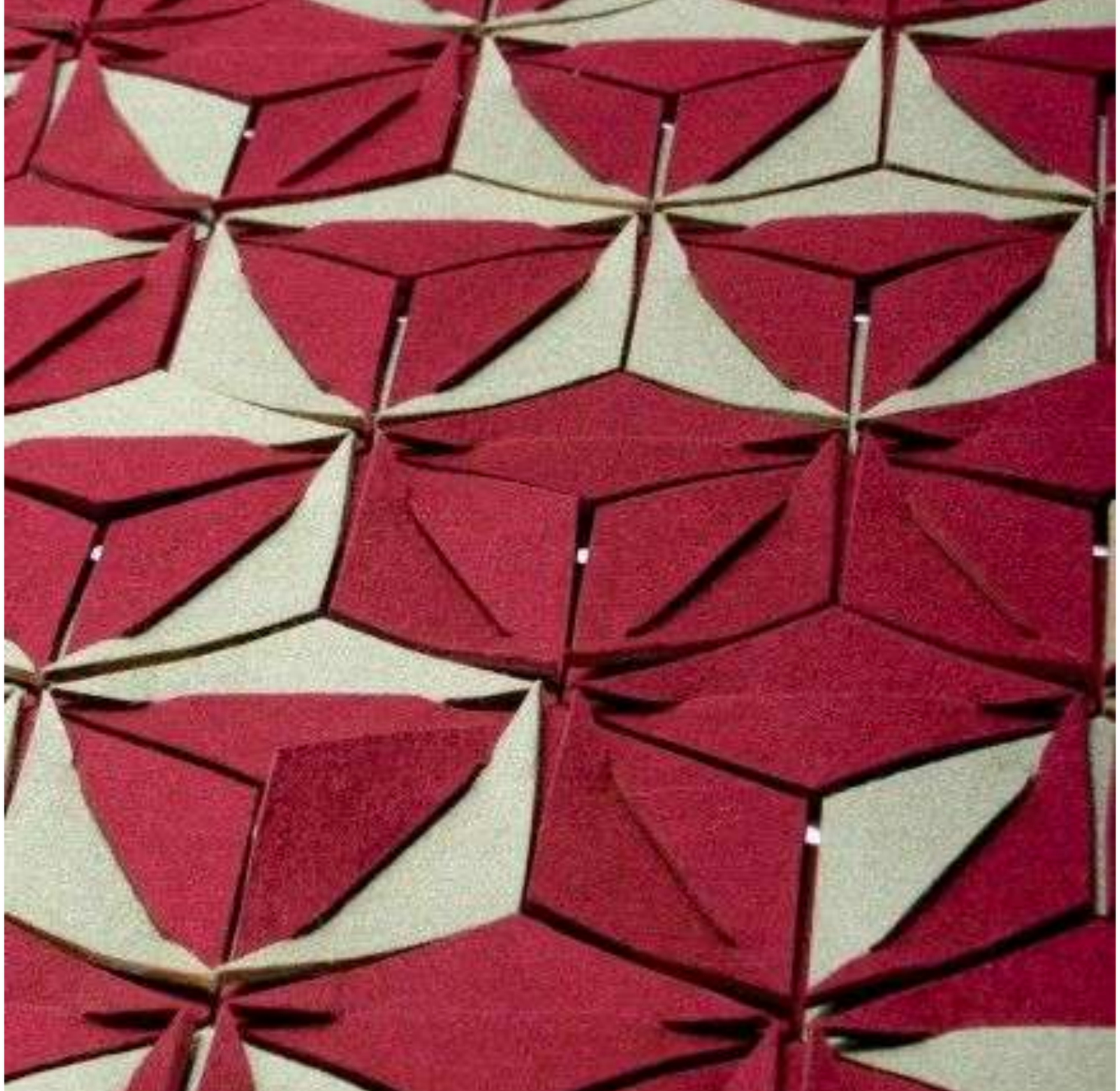


BERBER SOEPBOER

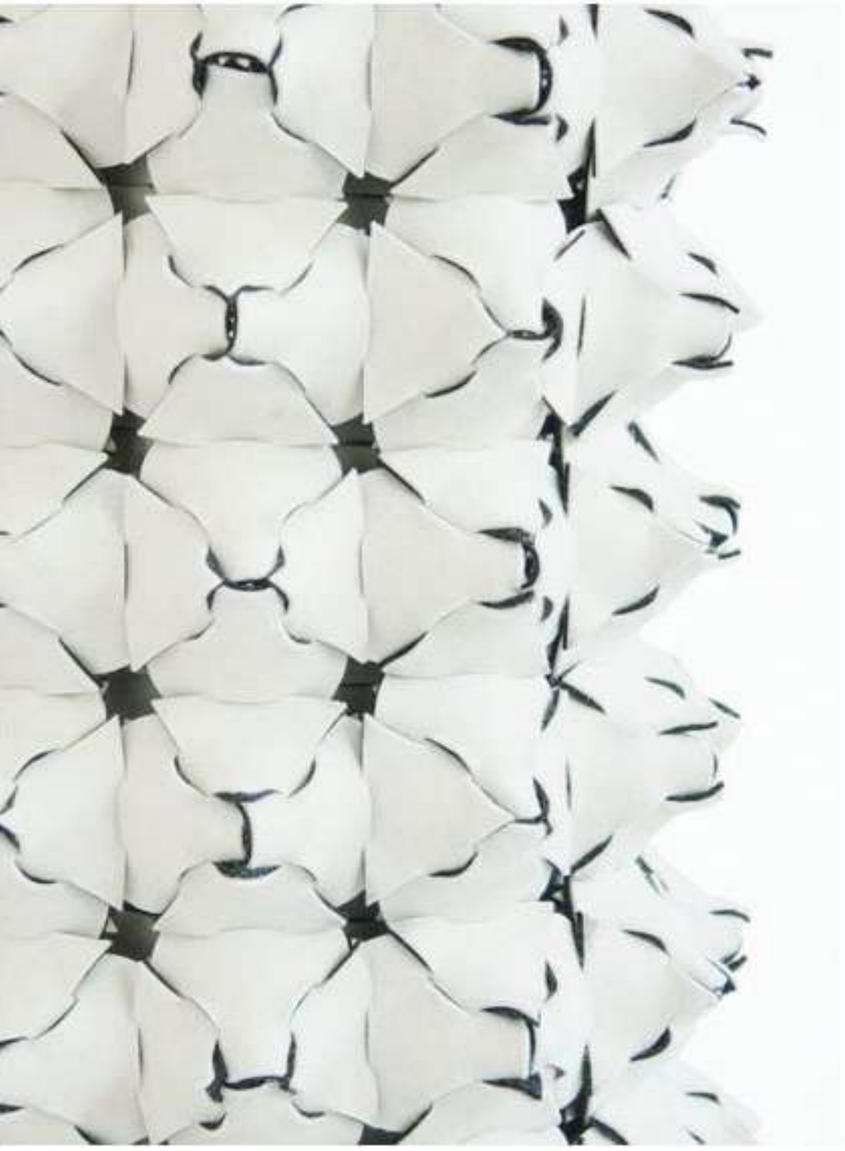


NASIA BURNET

SARAN YOUKONGDEE

Galya Rosenfeld

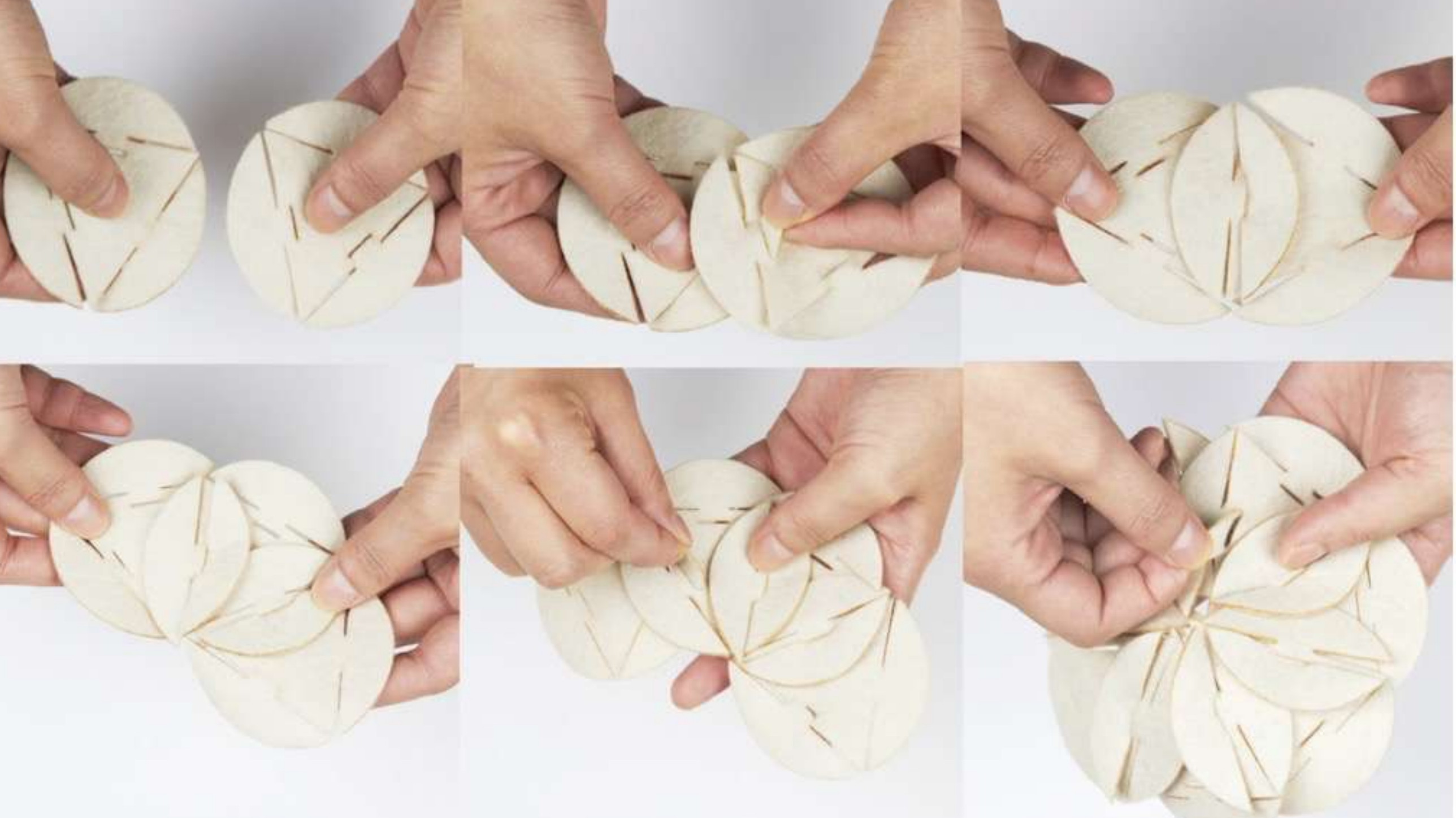
MARY ANN WILLIAMS

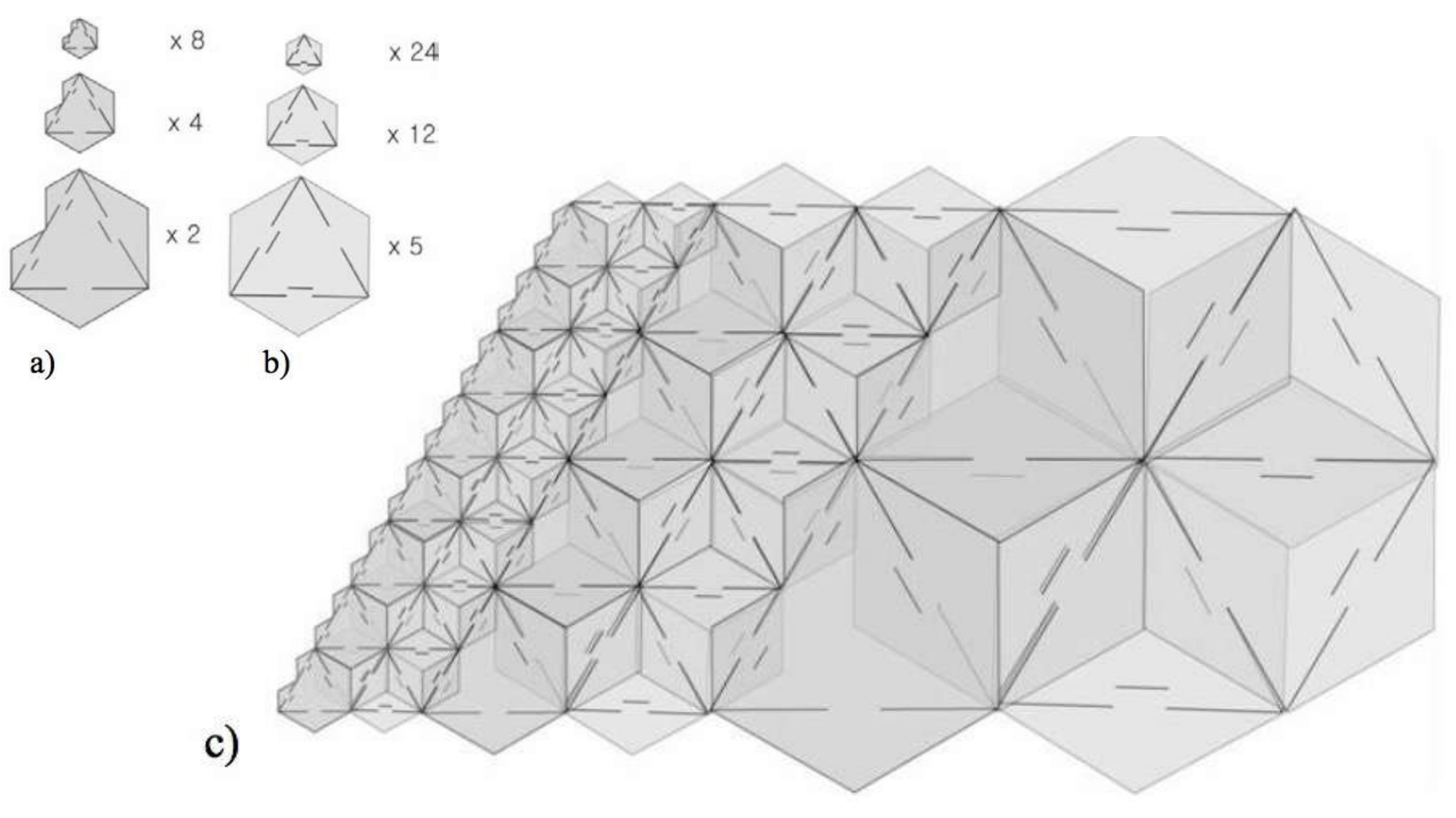


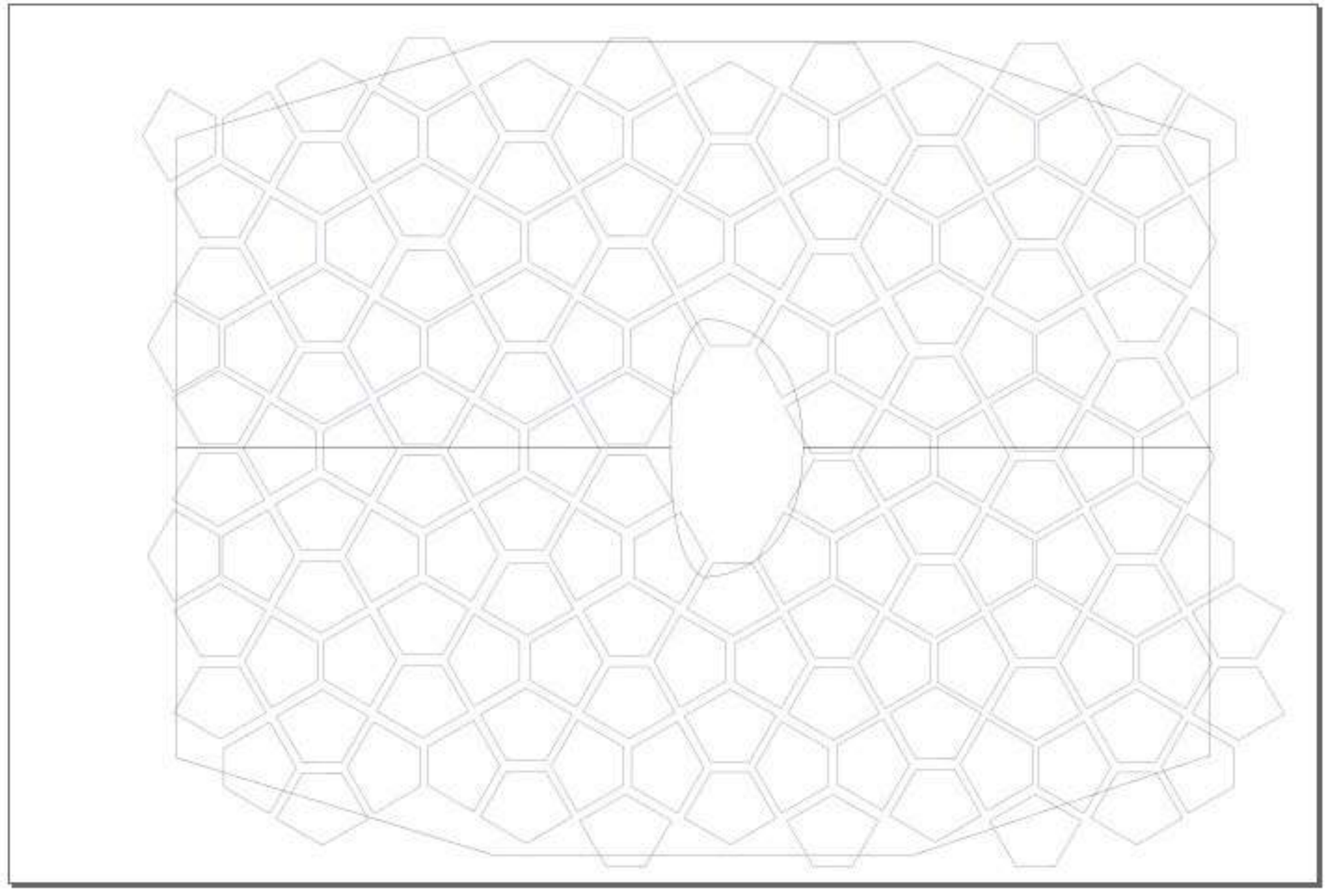
KOSUKE TSUMURA

MATIJA COP

EUNSUK HUR

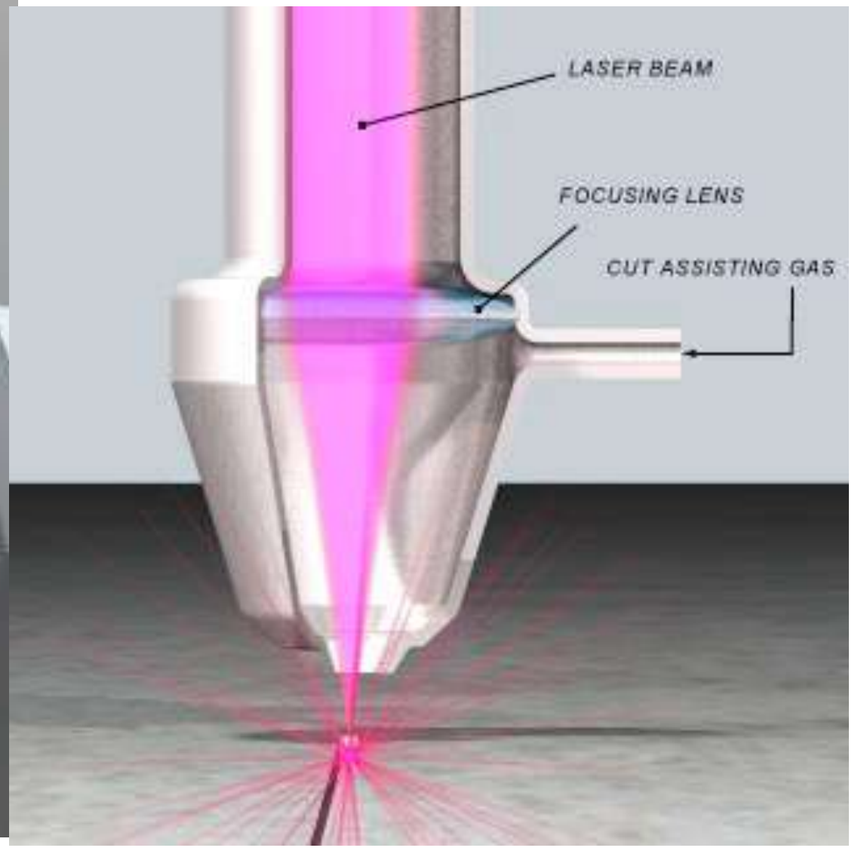



x 8
x 4
x 2
a)
x 24
x 12
x 5
b)
c)

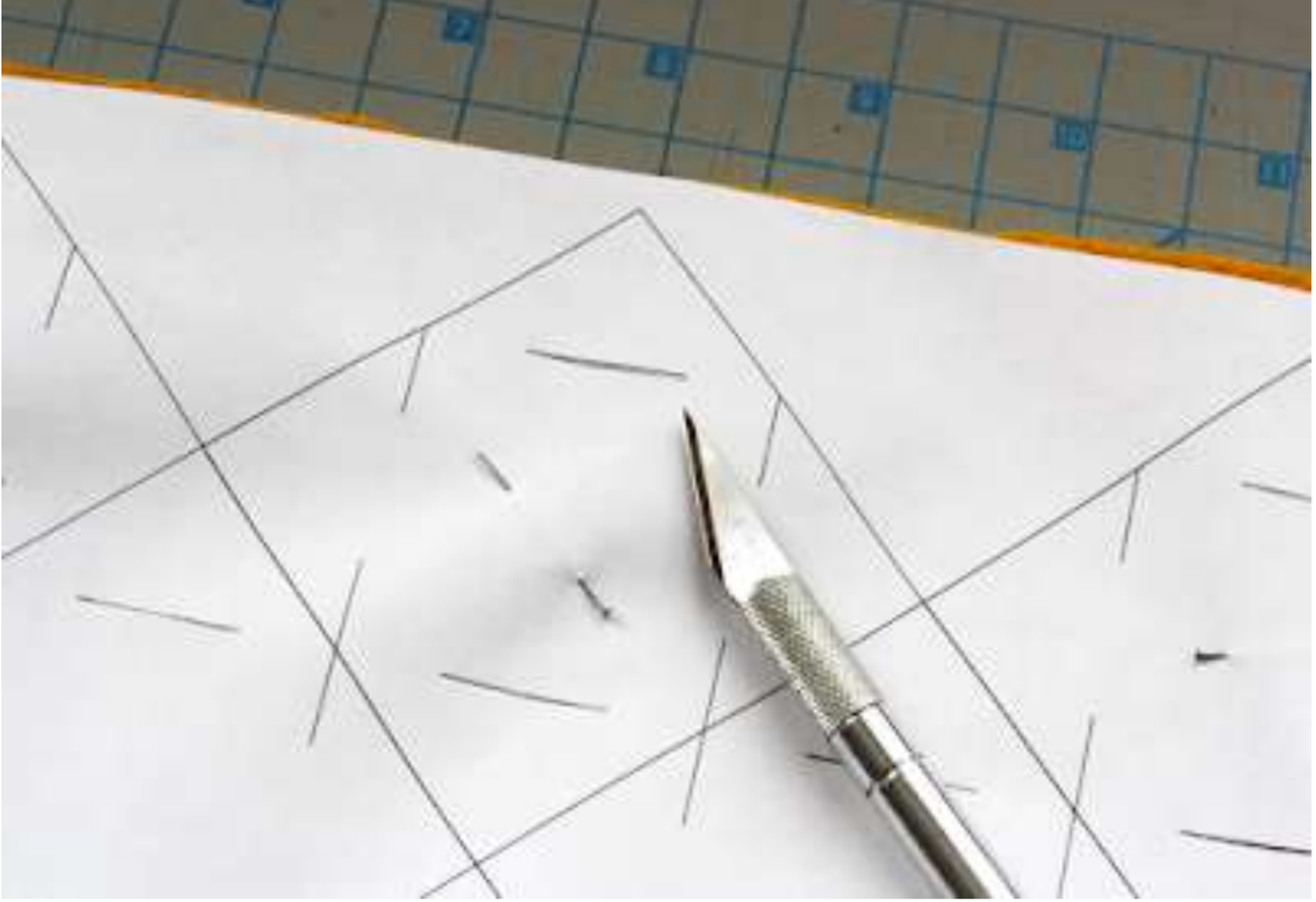


The Lasercut

How does it work?



The process



pic from tutorial

- Paper and Pencil
- Vector software
- Lasercut

Tools

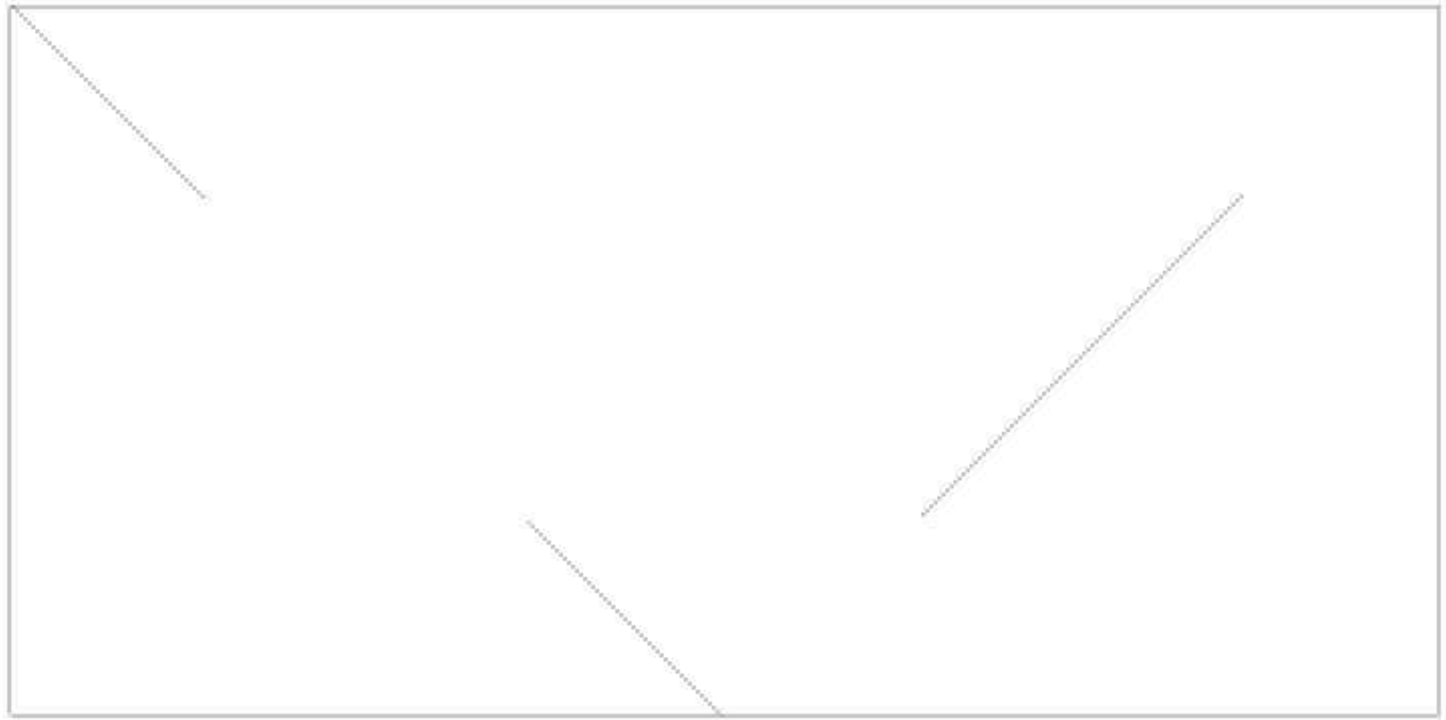
- Breathe, we're not in a rush
- Start from a basic geometry (triangle, square, hexagon…)
- Design interlocking (internal or external)
- Iterate
- Start simple, then go complex
- Explore 3d options

How to proceed

Materials

- Felt
- Scuba Knit
- Recycled Jeans
- Eco Leather
- Recycled Leather
- Thick Wool/Acrilyc

Examples Files



- http://oscircularfashion.com/project/-LAUmbh5TcTSSuGLJjmz
- http://oscircularfashion.com/project/-KxsHEQbWoLHY4_vVVj-
- http://oscircularfashion.com/project/-L6R94fjVctPy7GKWhyk

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THANKS!