

Community for Creators of Origami

Origami for the Visually Impaired

Indurstial Design Project

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5TH CONVENTION - APRIL 04-06 2025 - HANOI - VIETNAN

About me

- Folding Since 7 years old
- Origami creator since 2015
- Member of the OrigamIsrael board
- Industrial design student at Bezalel Academy in Jerusalem



Why this project?

Answer the needs for a Industrial design course about manual tools



Why this project?

- VIP like to fold just like us
- They enjoy the process as well as the result



Origami Creators United - CFC

Adrienne, Alessandra, Alessandro, Alexander, Andrés, Anicé Claudéon, Bodo, Boice Wong, Cekouat, Daniel Bermejo, Daniel Chang, Daniela, Dasa, Dave Bril...

r~ &~

traditional Japanese noshi?

Hello everyone!

Recently, I've been doing a bit of research about manual tools for origami.. I'm looking for interesting tools that you use of any kind - types of cutters, bones folders, clips, tweezers, additional aids or anything else. I would appreciate it if you could share some photos with me please Thank you very much.

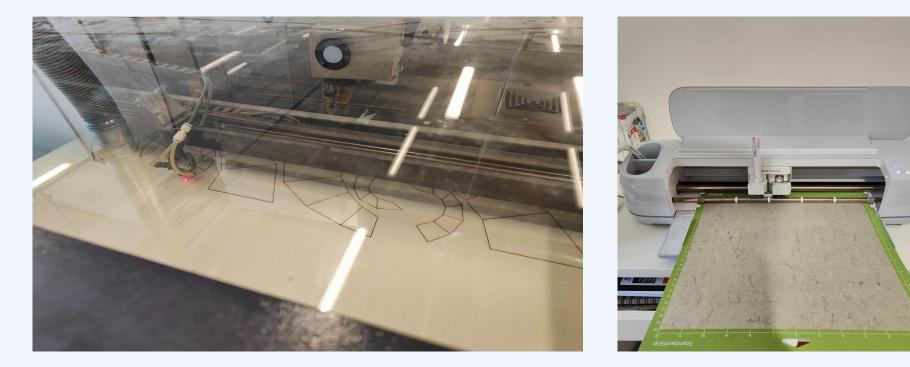
Which tools do we have?



so MANY



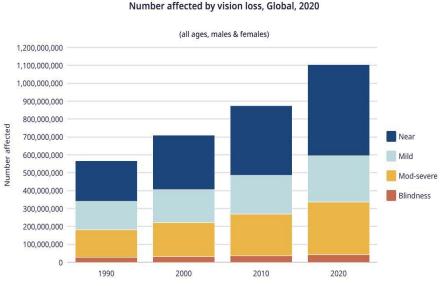
Or even those!



Which folding tools the Visualy Impaired Community have?

About the Visualy Impaired People (VIP)

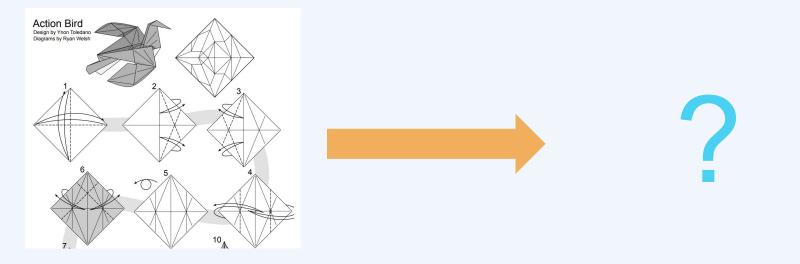
- There are more VIPS then folders (~43M)
- VIPS are on a scale from complete blindness to color blindness
- Super sensitive hands



Source: Data from VLEG/GBD 2020 model, accessed via the IAPB Vision Atlas

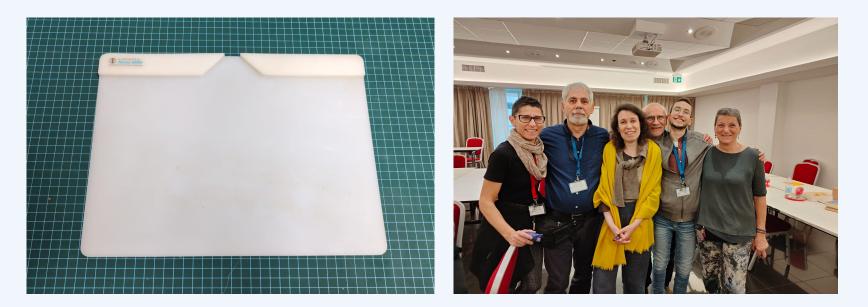
The challenges

- Visual craft for none visual people
- Visual instructions are not easily transferable to the VIP
- The folding process must be changed accordingly
- The folding method, as well as the teaching method must be changed



Insperation

- Francesco Decio Grandpa Gino and his Tablet
- Caterina Avoledo CDO convention



The Process

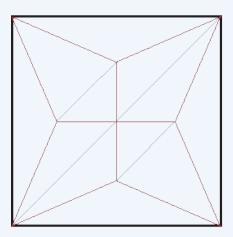
- Folding with VIP in jewish instinte for blinds in Jerusalem
- Understand they needs



The Solution - Principals

- Using the hand's sensitivity
- Solving the spatial orientation issue
- Creating a specific helping tool
- Humane guide support

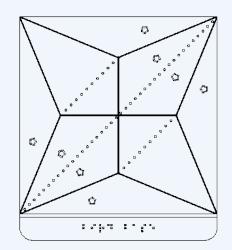
The Design - Creating a Tactile language



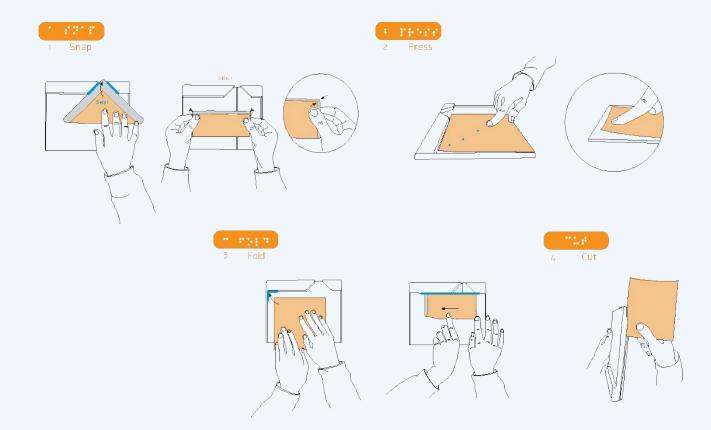
Mountain fold

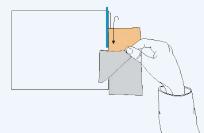
Valley fold

Bird base

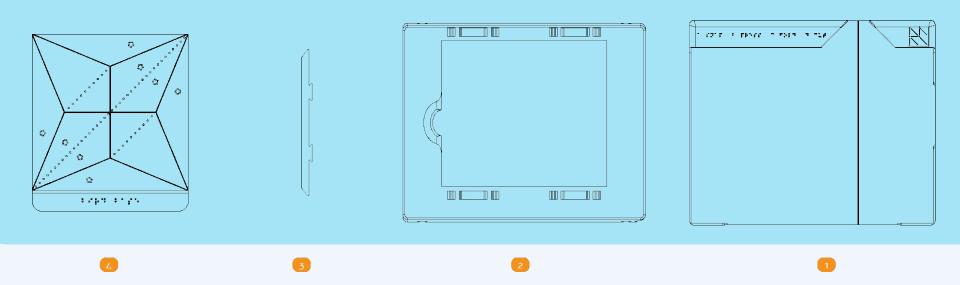


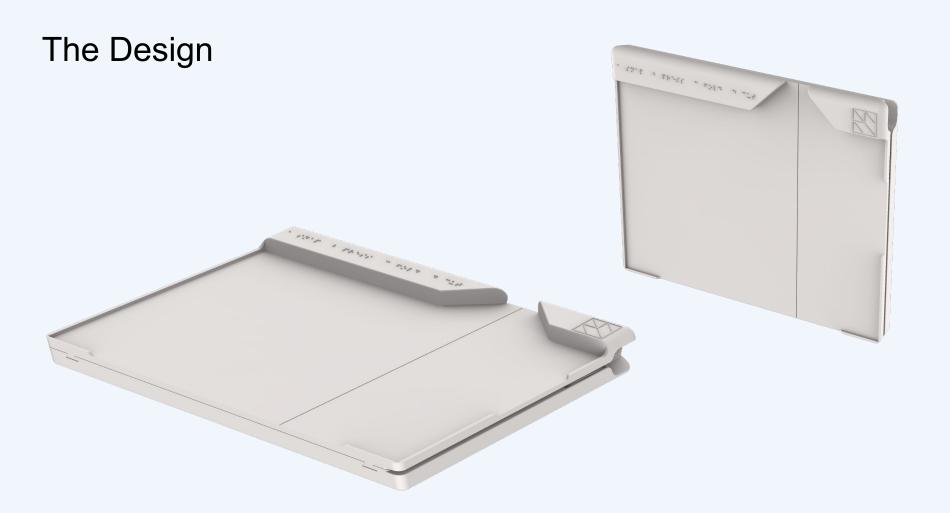
How to use - Using Case





The Design - Assembly

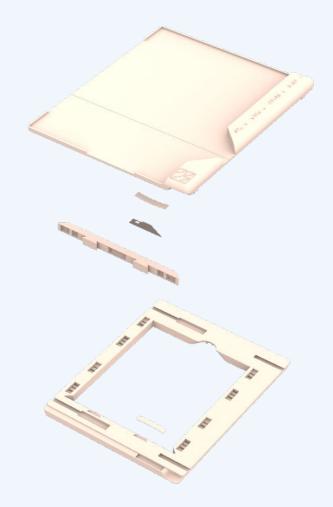




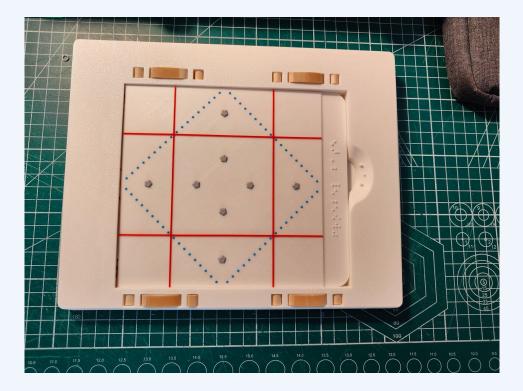
The Design

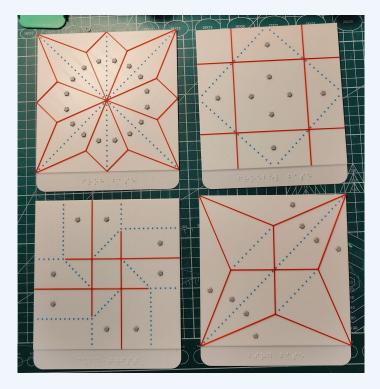


Assembly

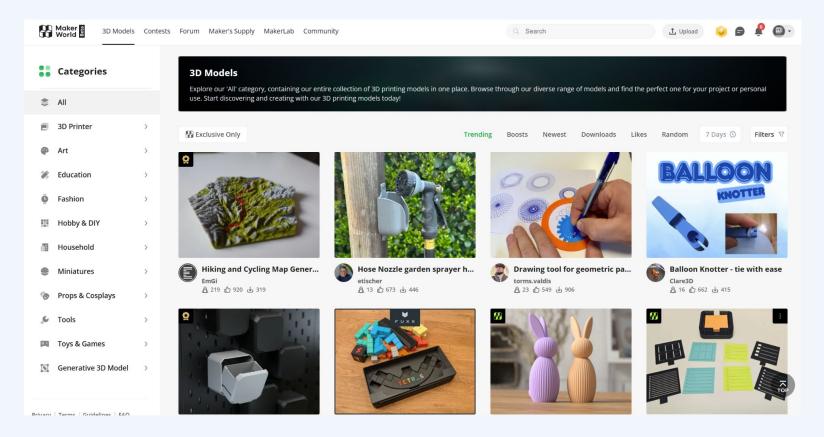


The Design - Templates

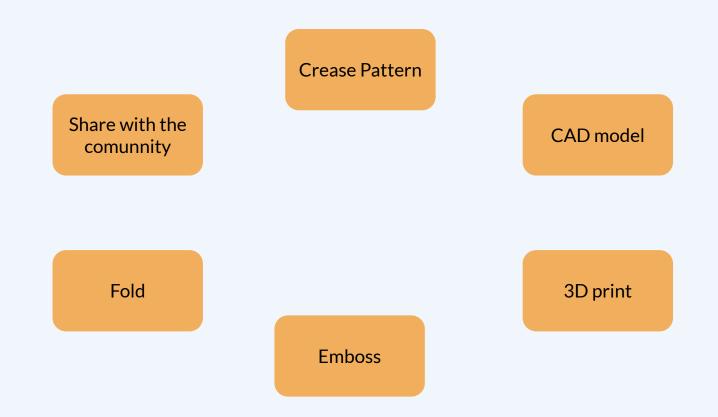




Open source - Sperd the Joy



Future Directions



Open discussion

Questions?

Thank you!



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