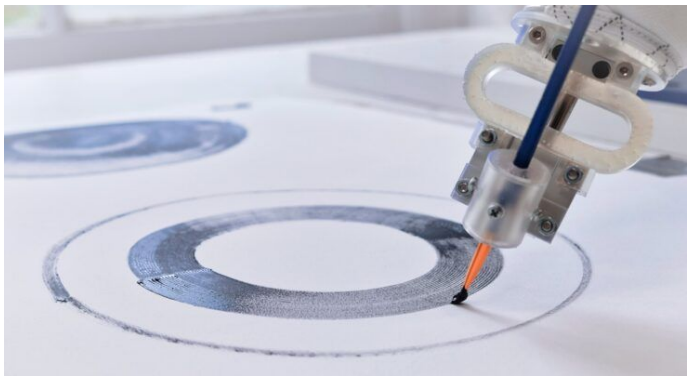
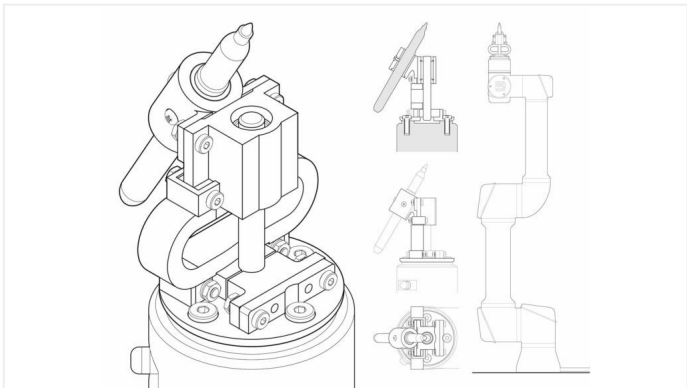
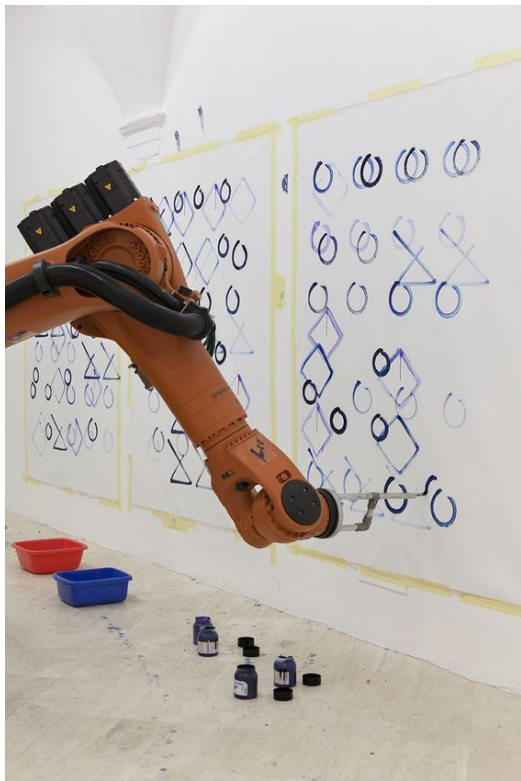
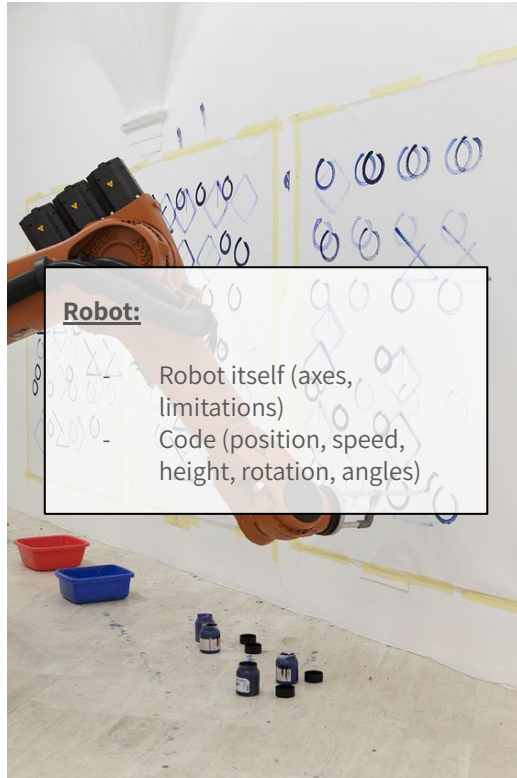




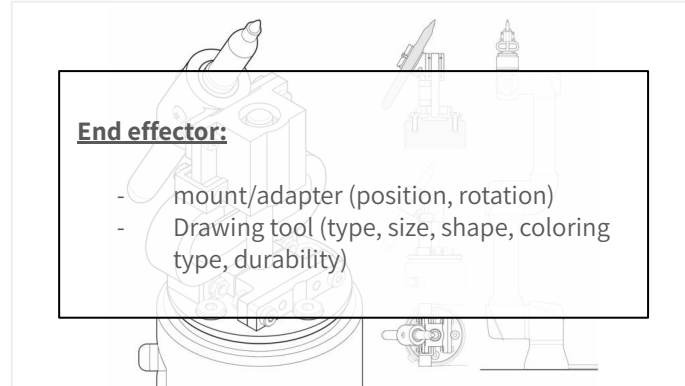
Robots_1stClass_Drawing





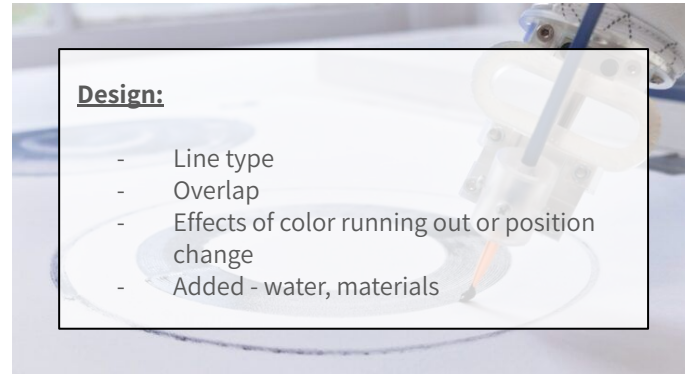
Robot:

- Robot itself (axes, limitations)
- Code (position, speed, height, rotation, angles)



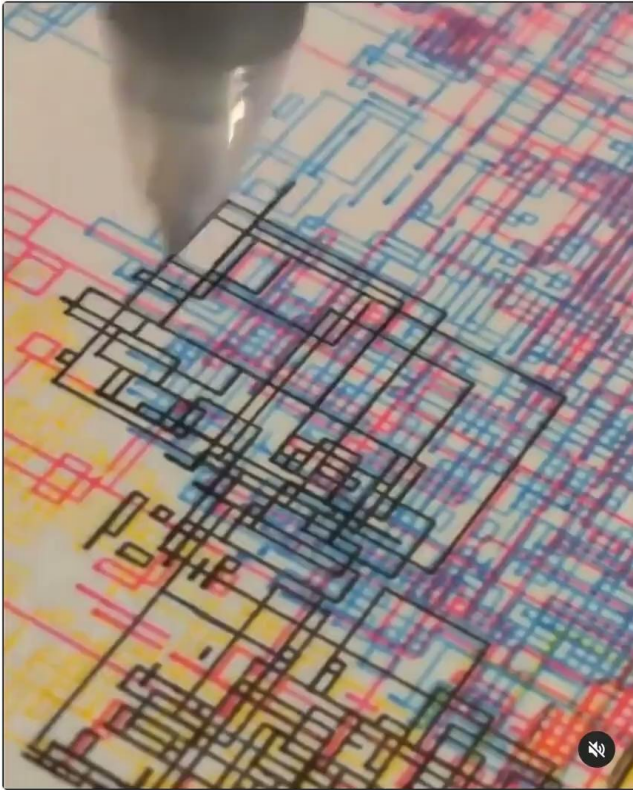
End effector:

- mount/adaptor (position, rotation)
- Drawing tool (type, size, shape, coloring type, durability)

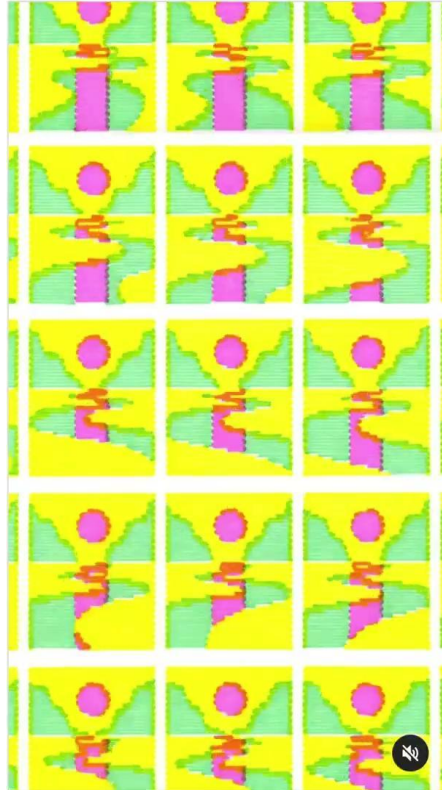


Design:

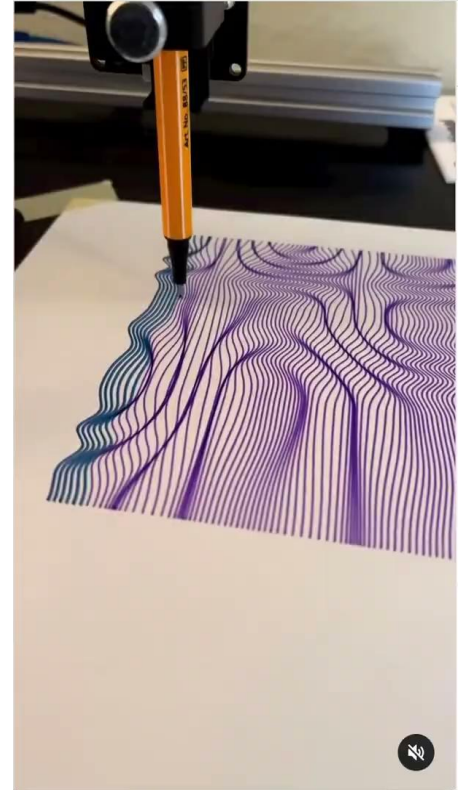
- Line type
- Overlap
- Effects of color running out or position change
- Added - water, materials



<https://www.instagram.com/reel/CQd-Mosh31I/>



<https://www.instagram.com/p/CxT4tl-v6Je/>

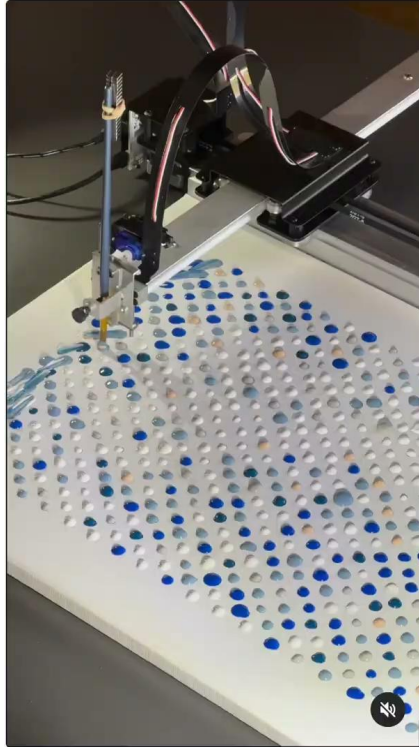


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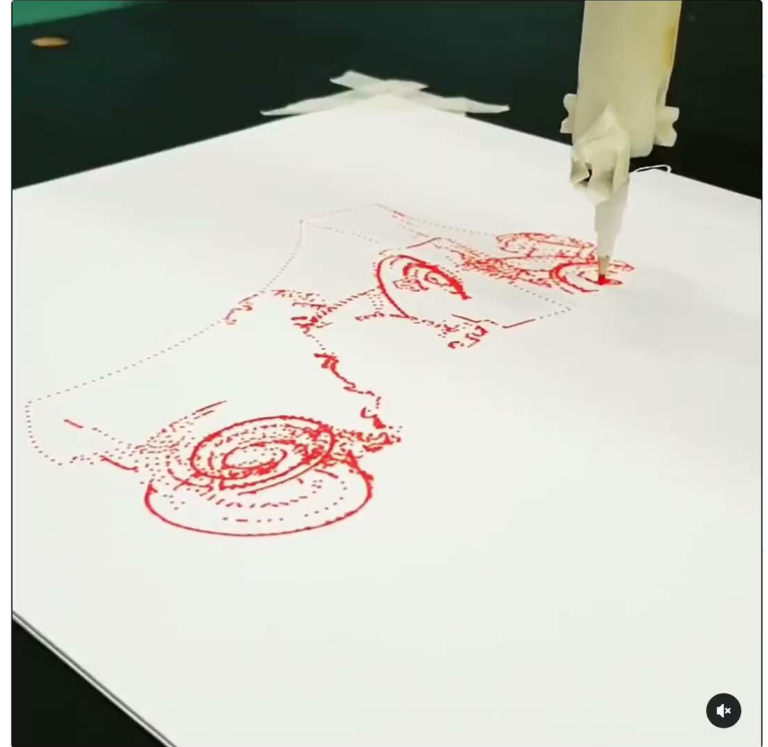
Basic - one color at a time, one height and position



<https://www.instagram.com/reel/C2gCv0yvi2d/>

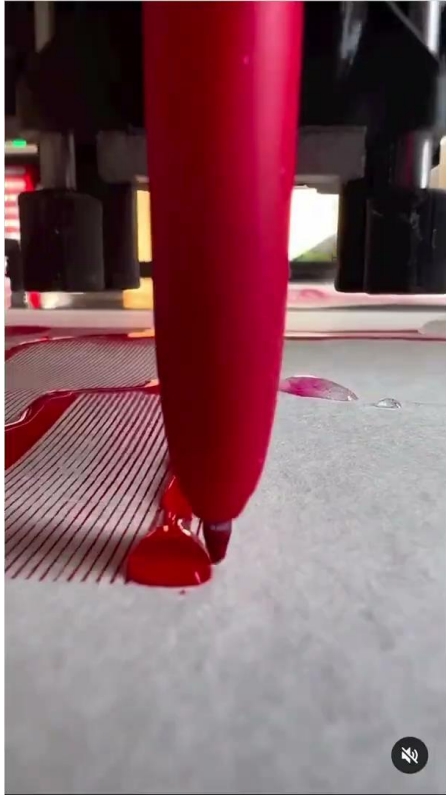


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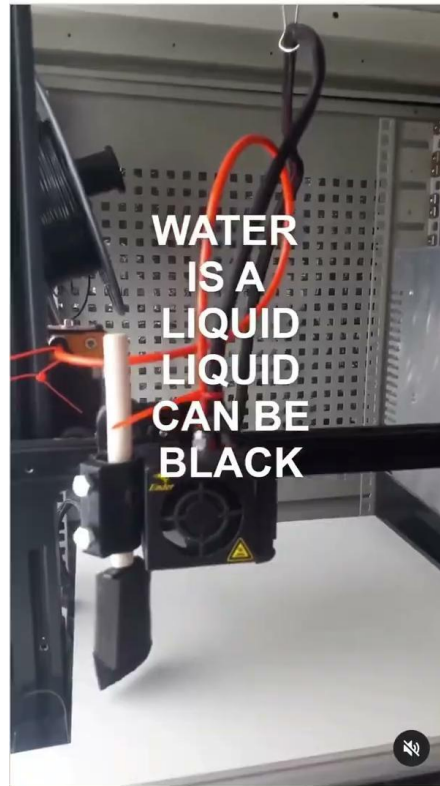
Basic - one color at a time, one height and position



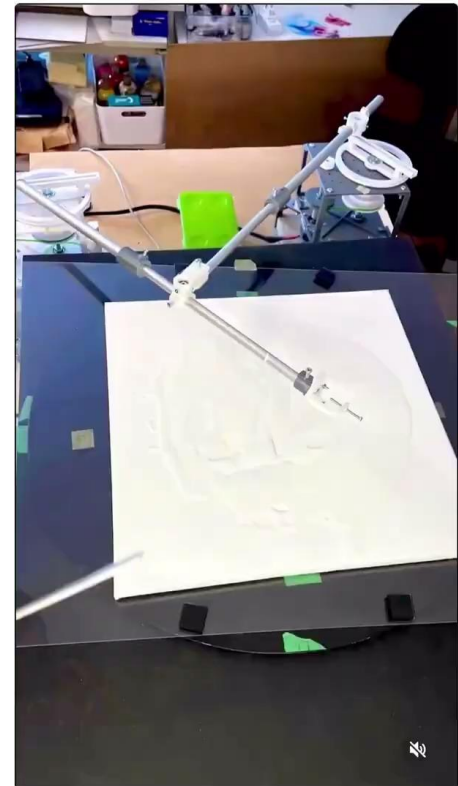
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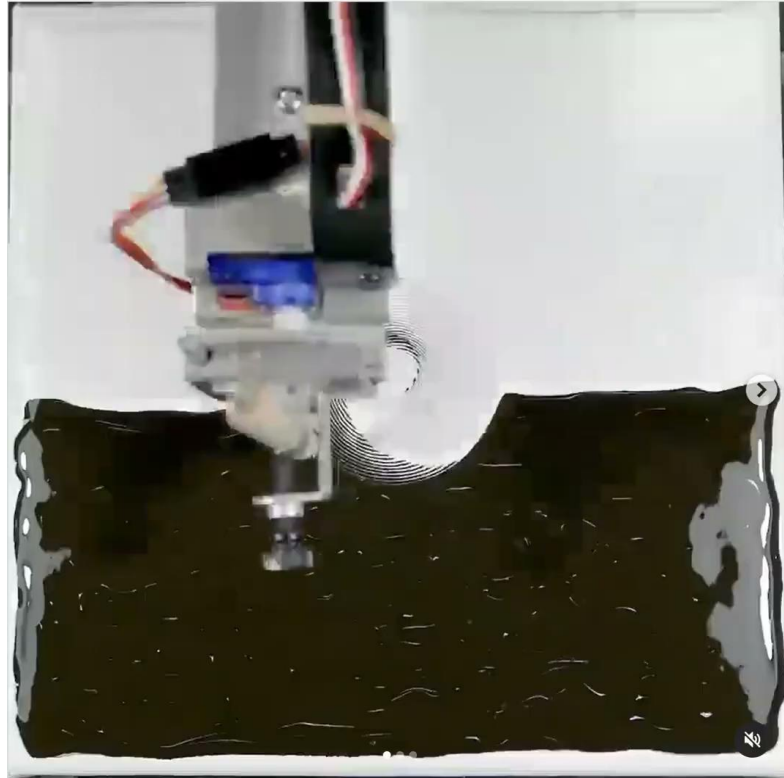


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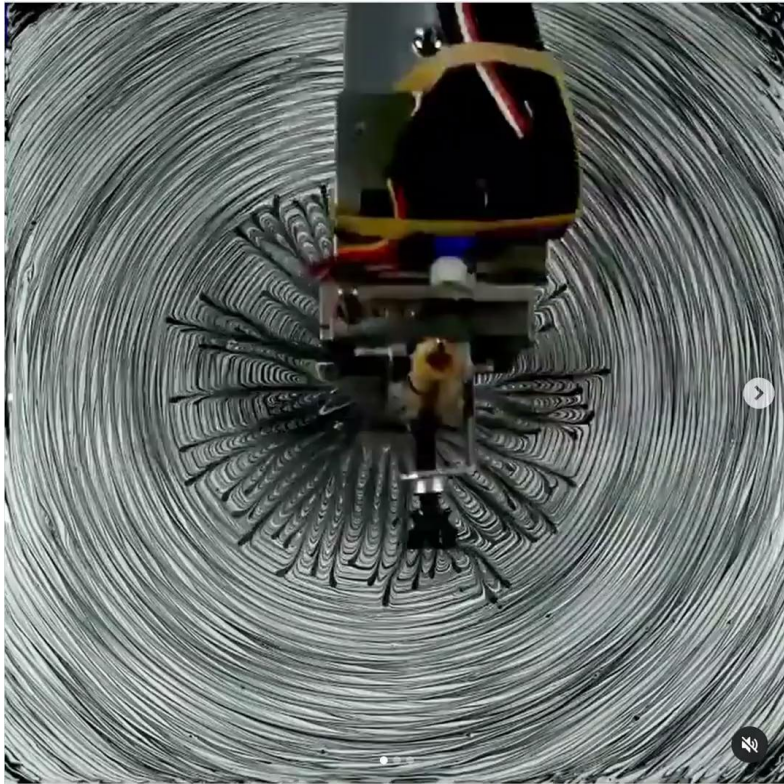
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Added - water, materials

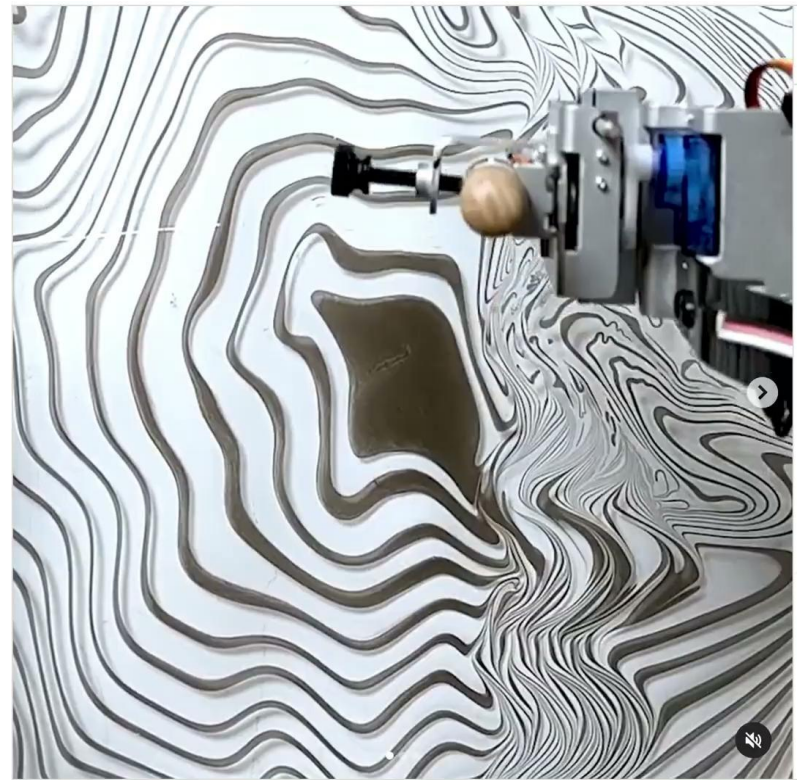


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Added - water, materials

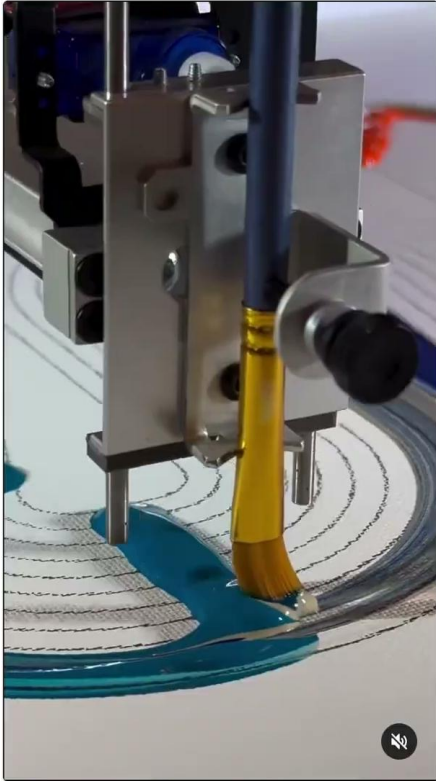


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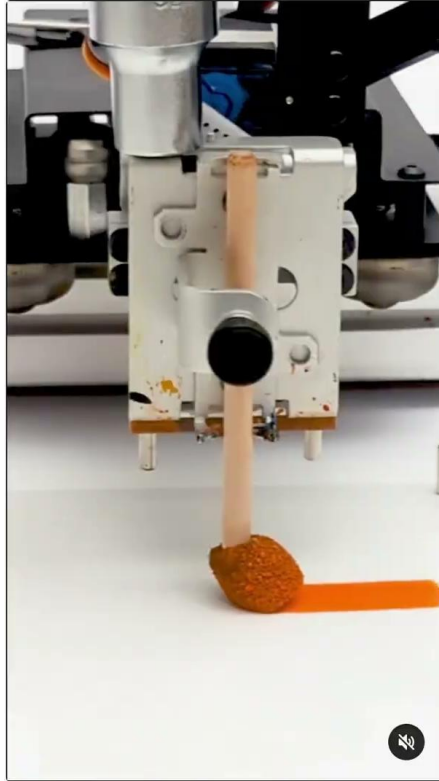


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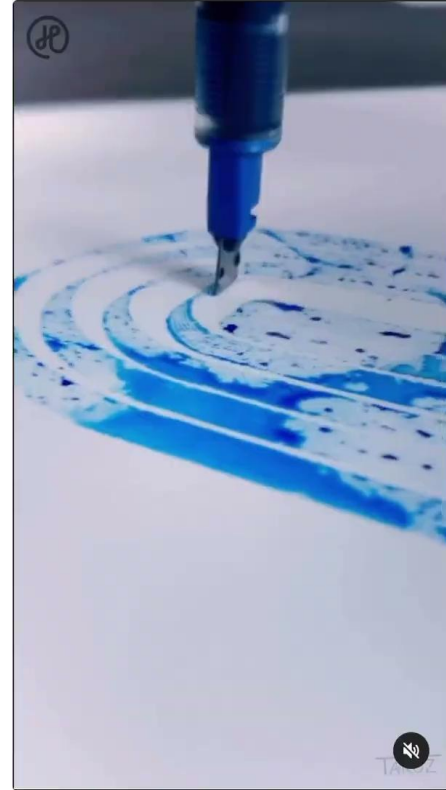
Added - water, materials



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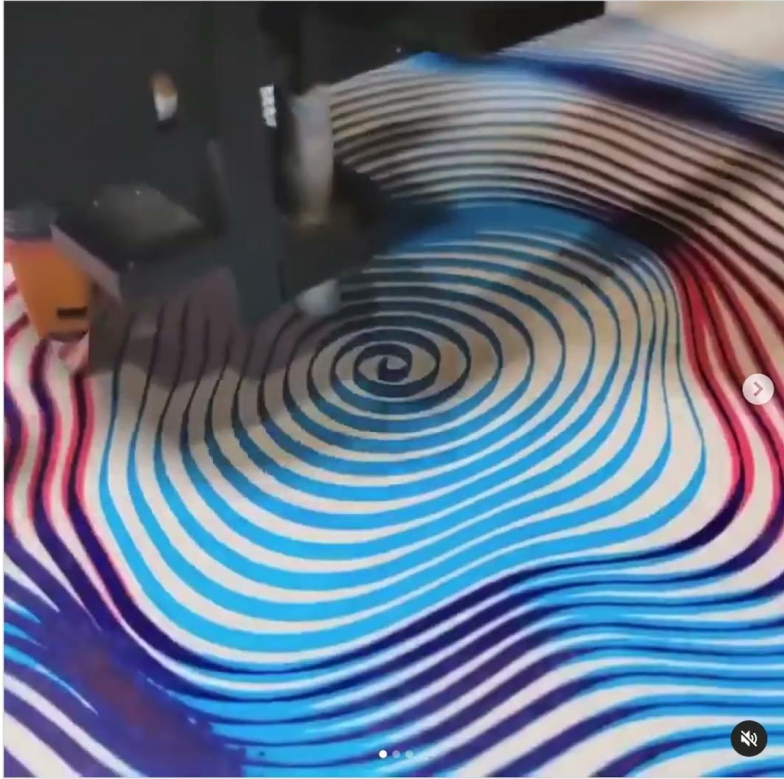


<https://www.instagram.com/p/CwdUBlEsnyE/>



https://www.instagram.com/reel/CpyOjz_DjjD/

Stroke design control - through material, code and end effector.



<https://www.instagram.com/p/CZnDlnpvlNx/>



https://www.instagram.com/p/CV_LDM9hki4/

Stroke design control - Pilot Parallel Pen: Varying Line Width With Just One Pen



<https://www.instagram.com/reel/C5J2CnFy6MV/>

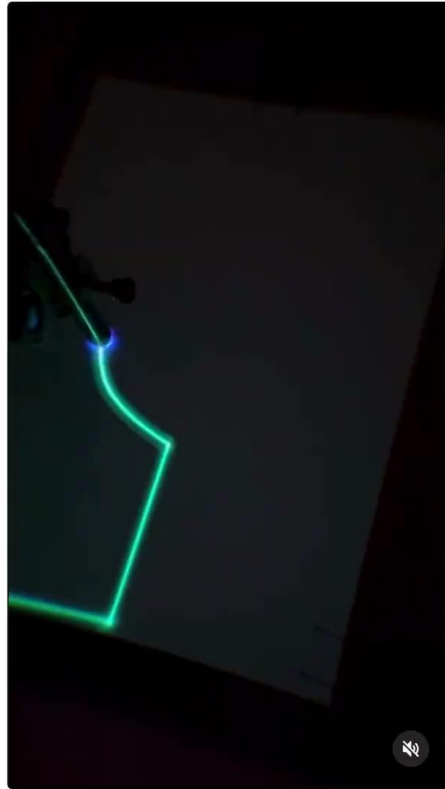


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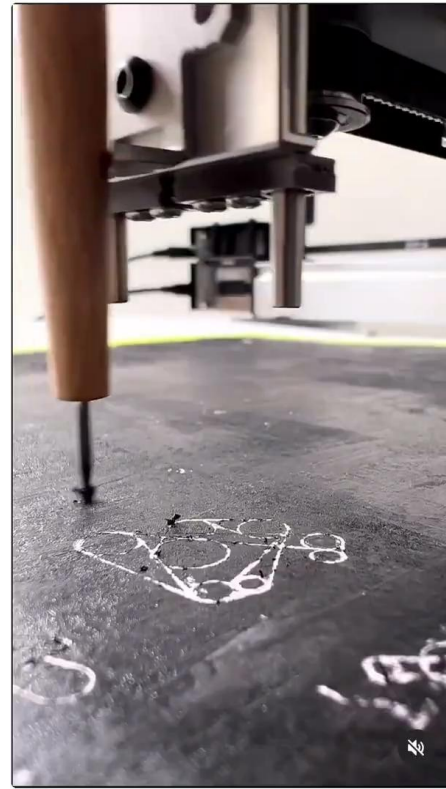


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Different material and tools

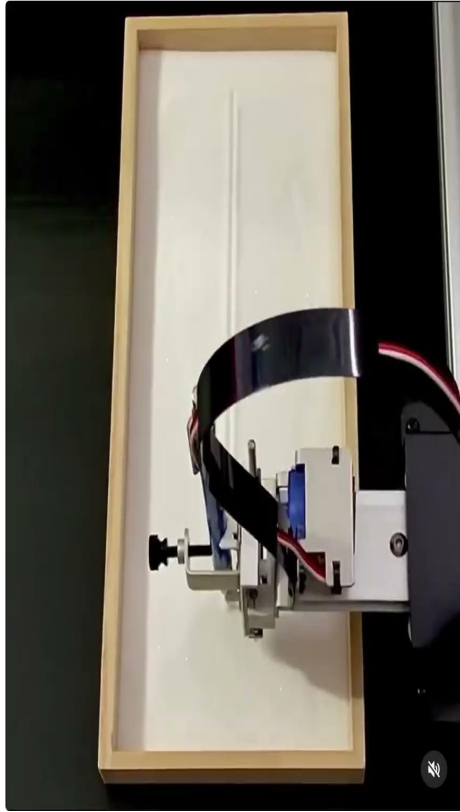


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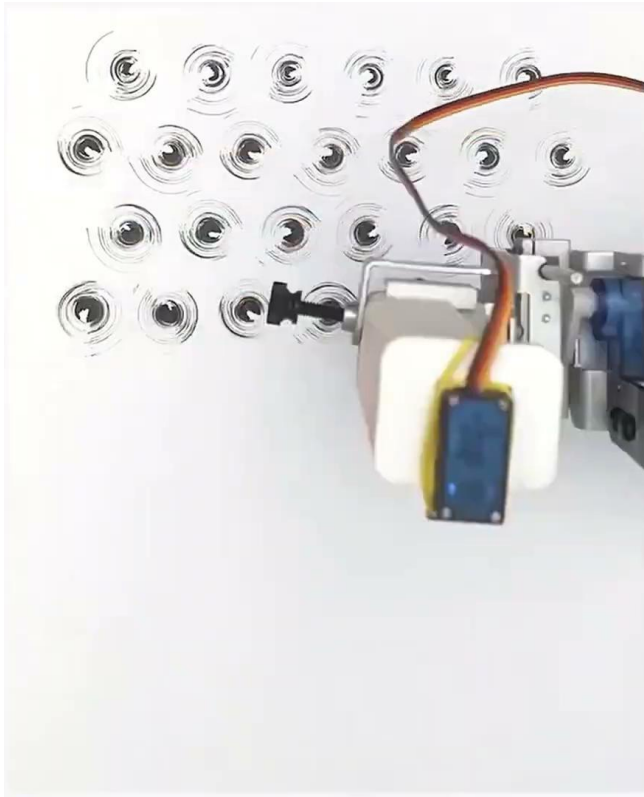
Different material and tools



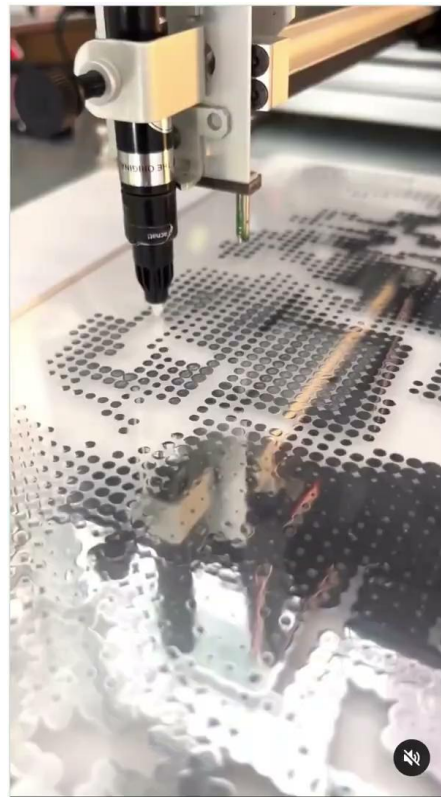
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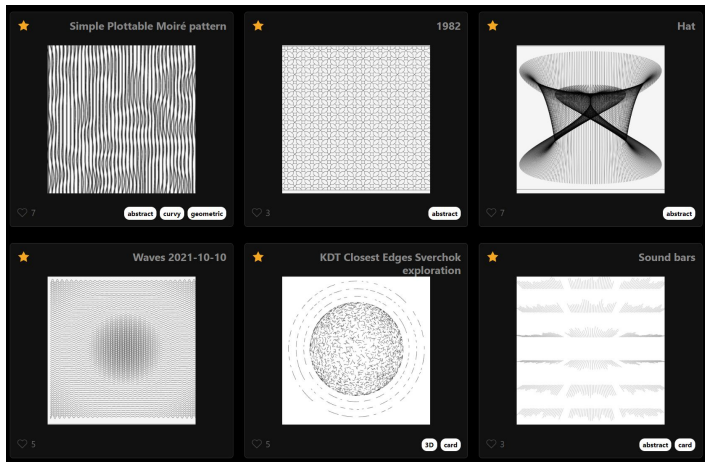
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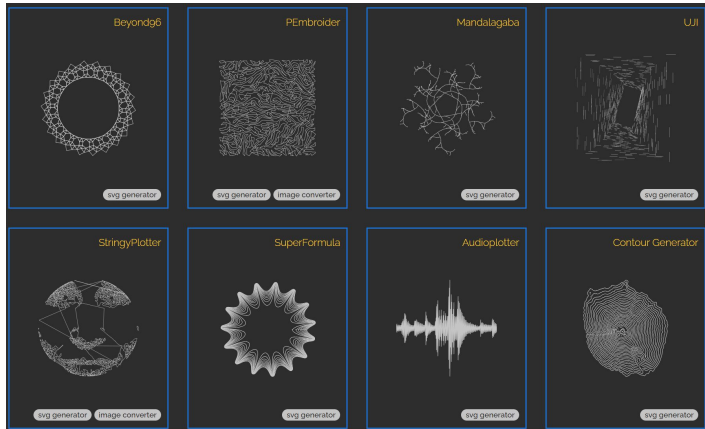
<https://www.instagram.com/reel/C3yZ7hUvM5a/>

Control the height, position and rotation

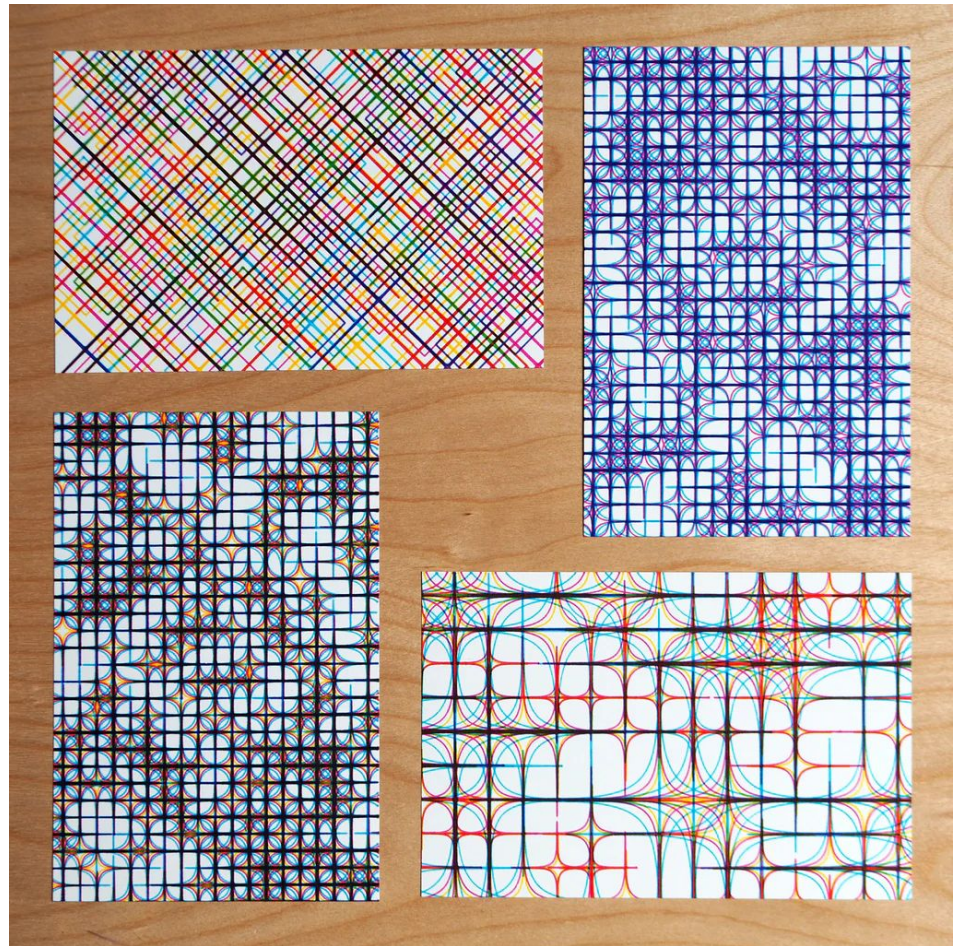
Links



<https://plotterfiles.com/>



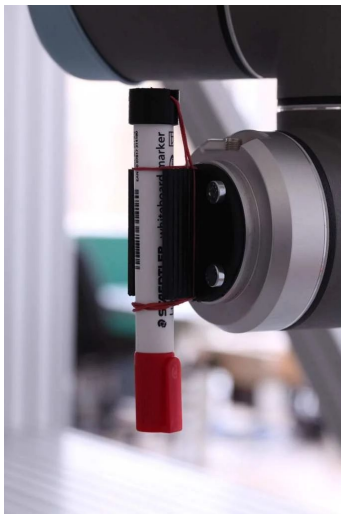
<https://drawingbots.net/knowledge/tools>



<https://www.dirtalleydesign.com/blogs/news/how-to-generative-art>



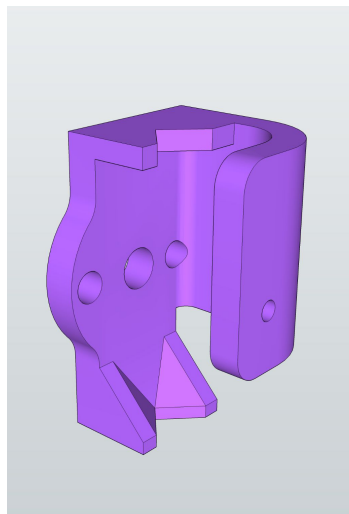
<https://www.printables.com/model/15322-baxter-robot-elastic-pen-holder>



<https://www.thingiverse.com/thing:4687207>



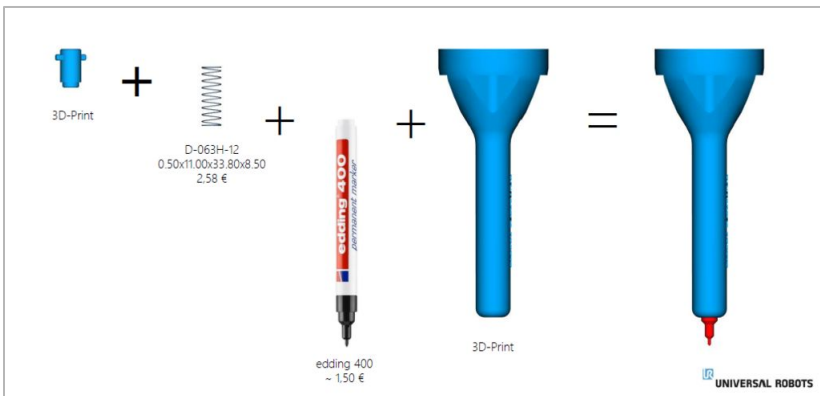
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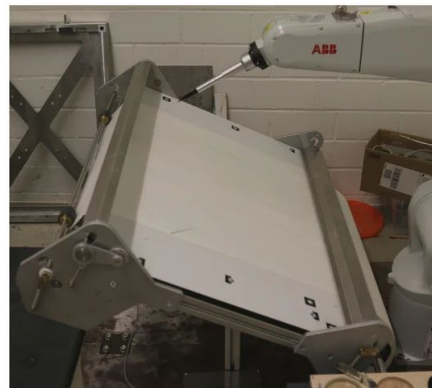
<https://cults3d.com/en/3d-model/tool/robust-pen-holder-for-drawing-robot>



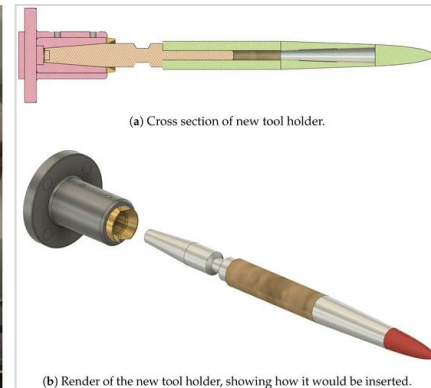
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<https://www.thingiverse.com/thing:6381324>



<https://www.mdpi.com/2076-3417/10/10/3396>





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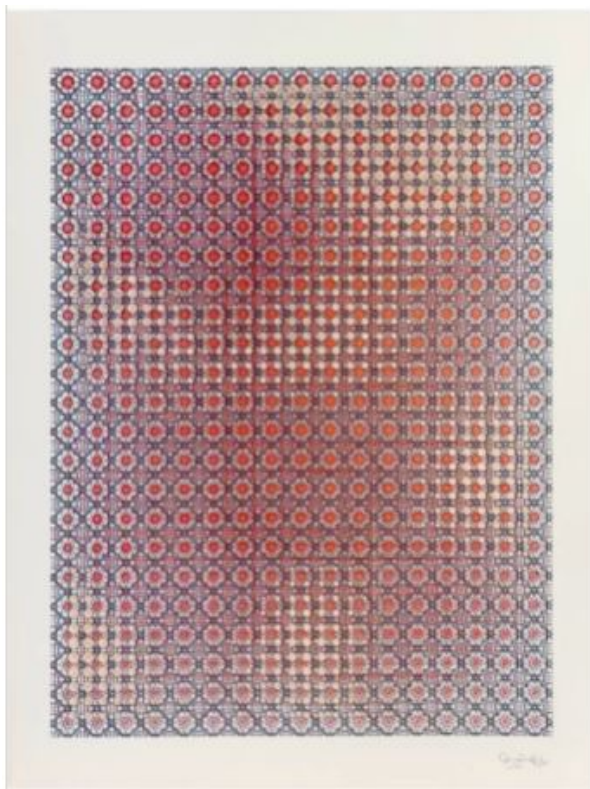


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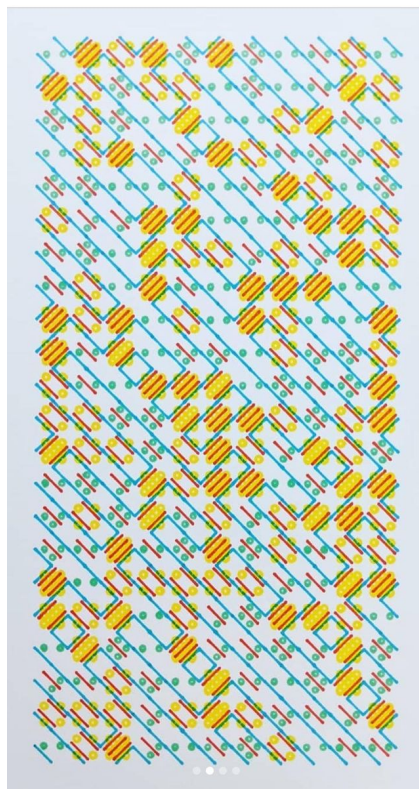


<https://www.dailymail.co.uk/sciencetech/article-2211227/The-Picasso-robots-ibis-Hotel-creates-artificial-arm-draws-sleep-patterns-toss-turn.html>

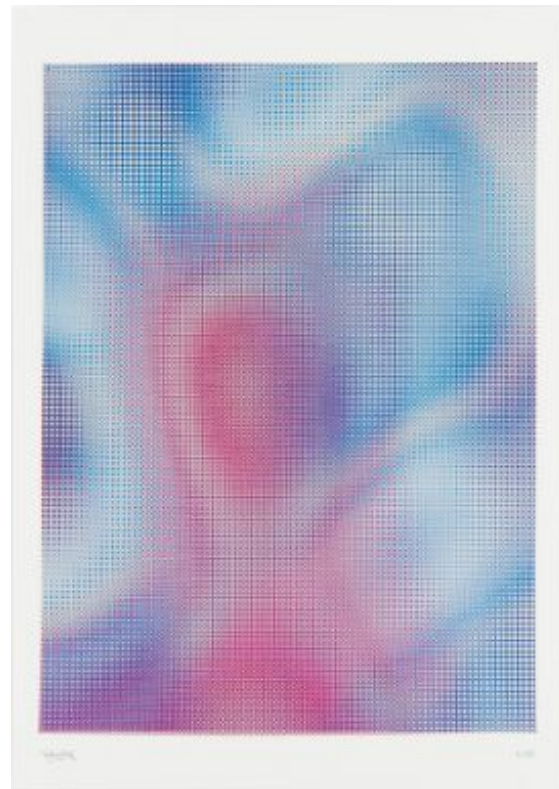
Expectations



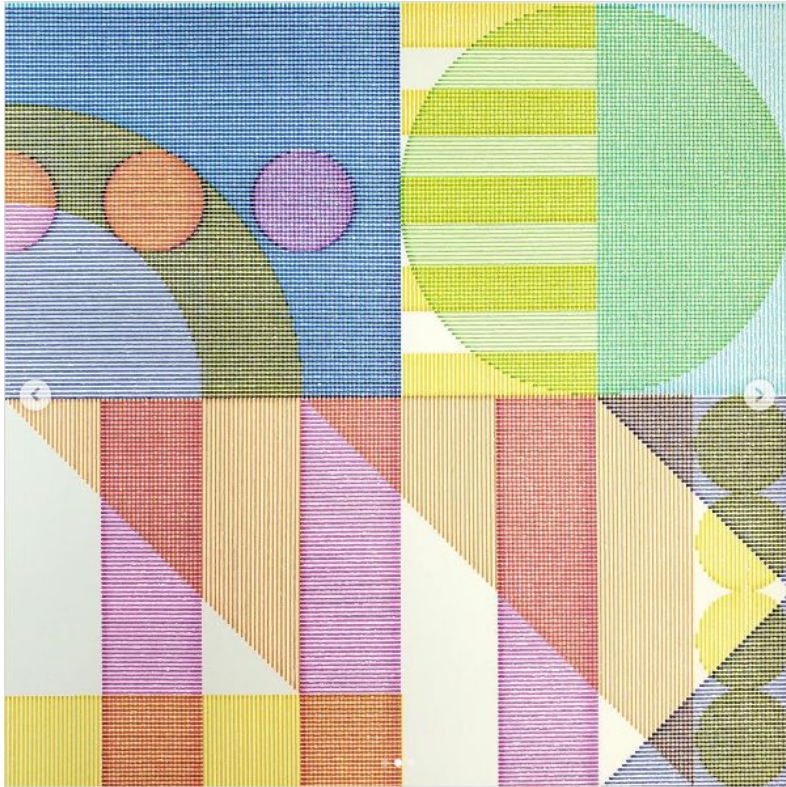
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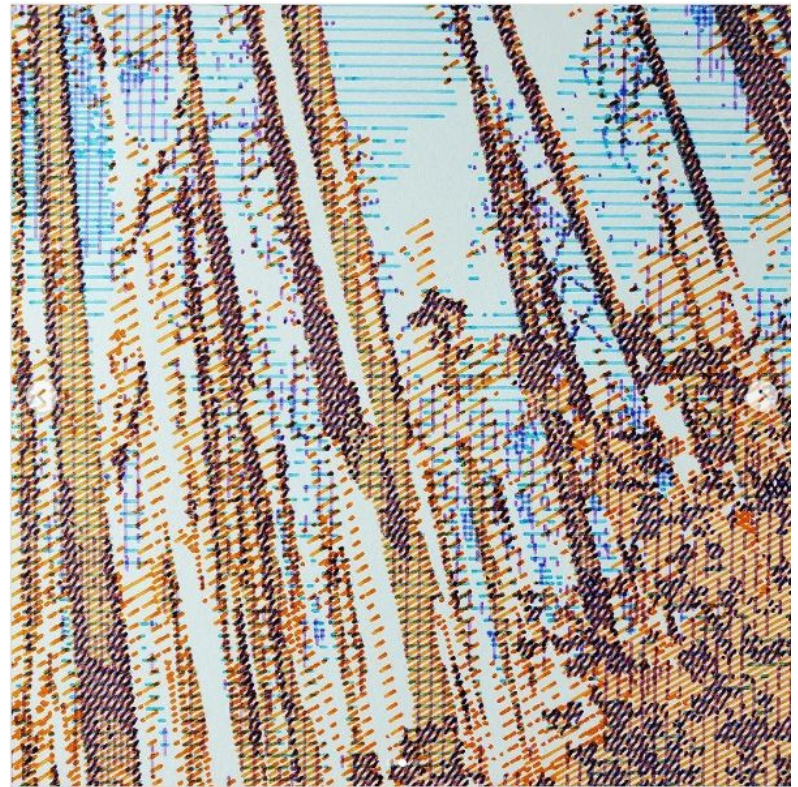
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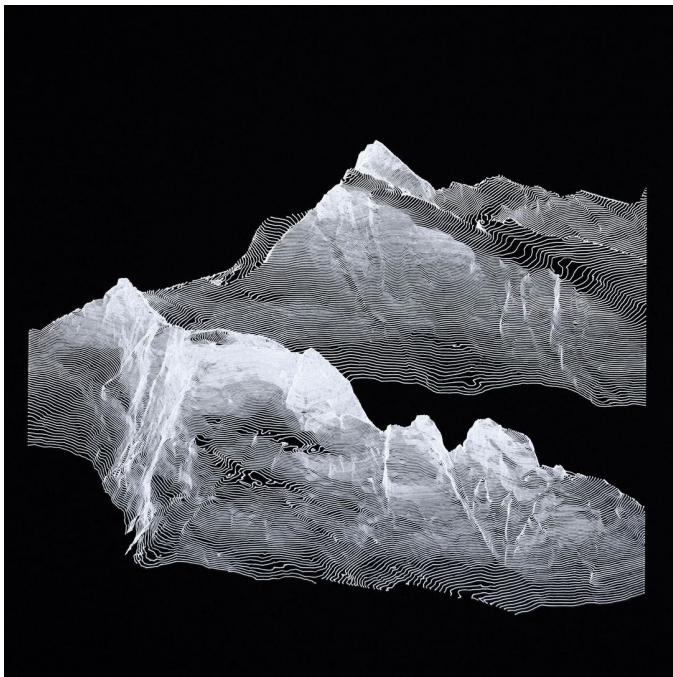
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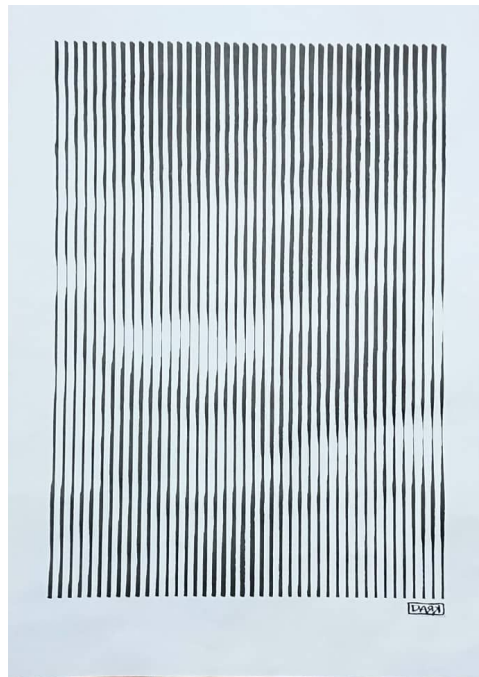
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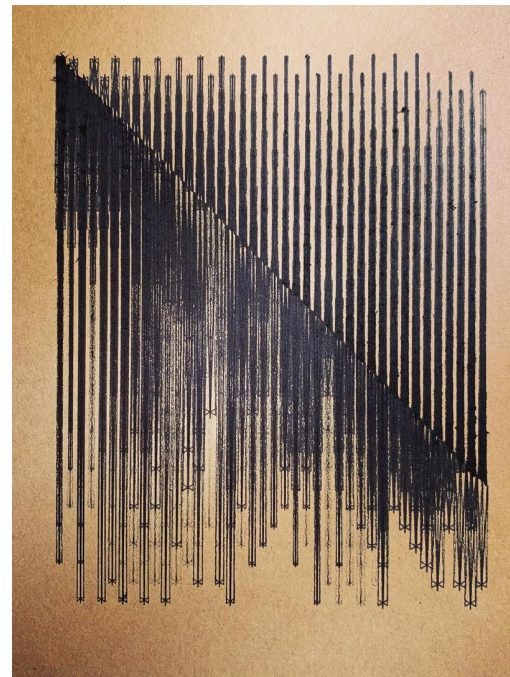
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