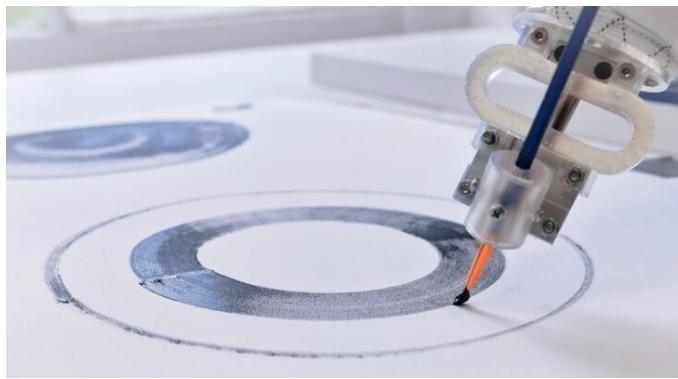
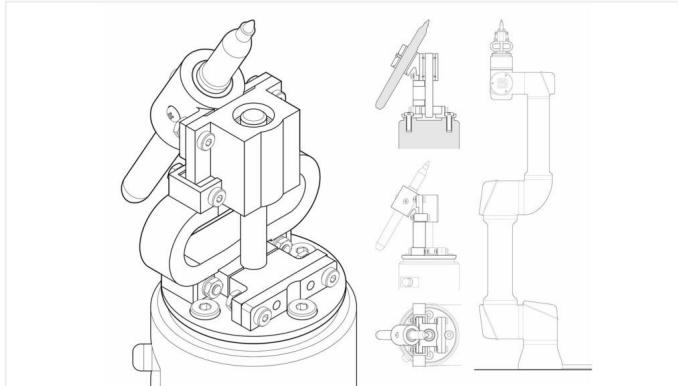
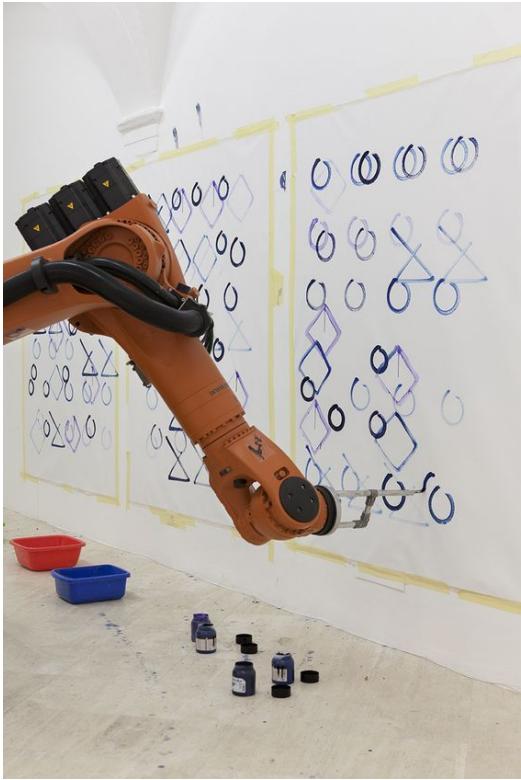
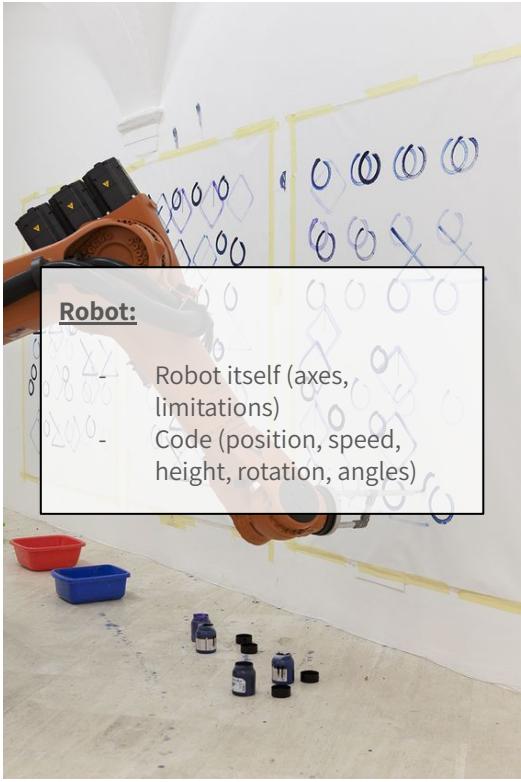


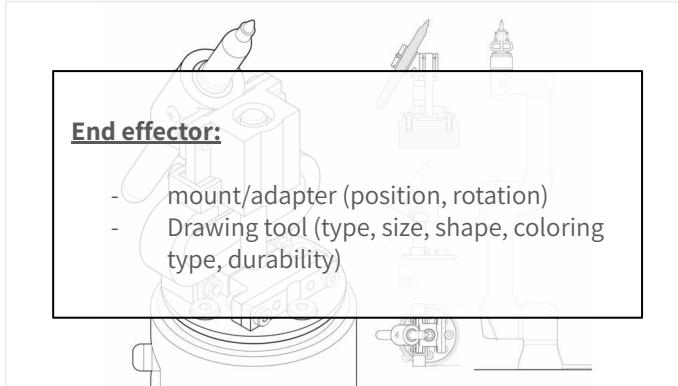
Robots_1stClass_Drawing





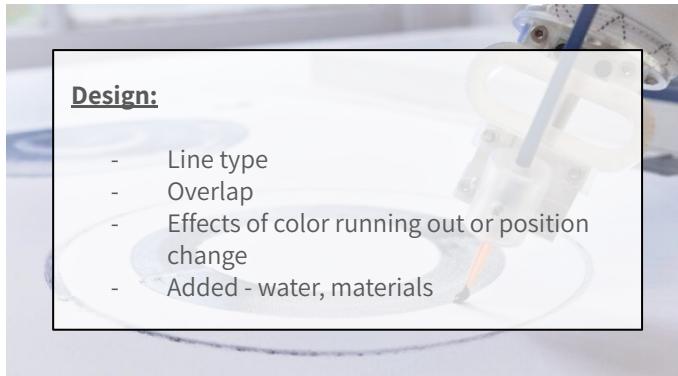
Robot:

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



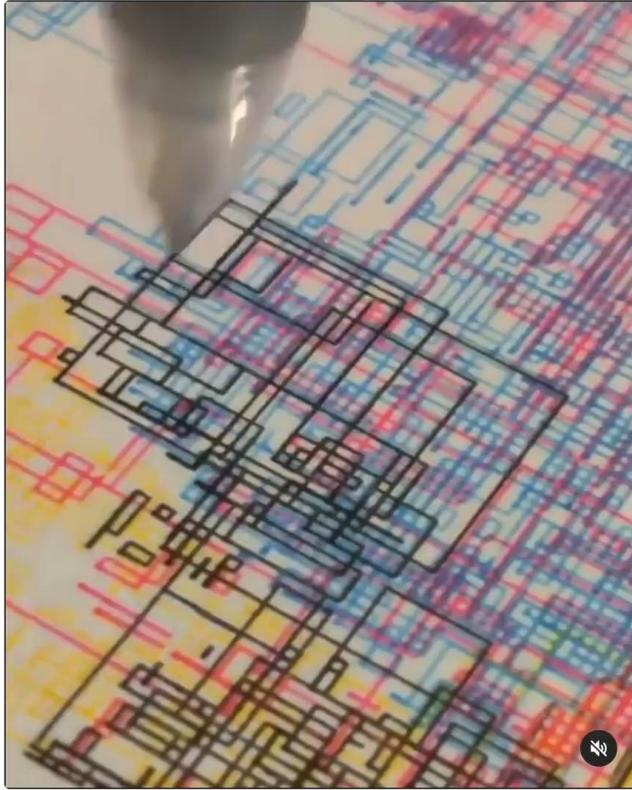
End effector:

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

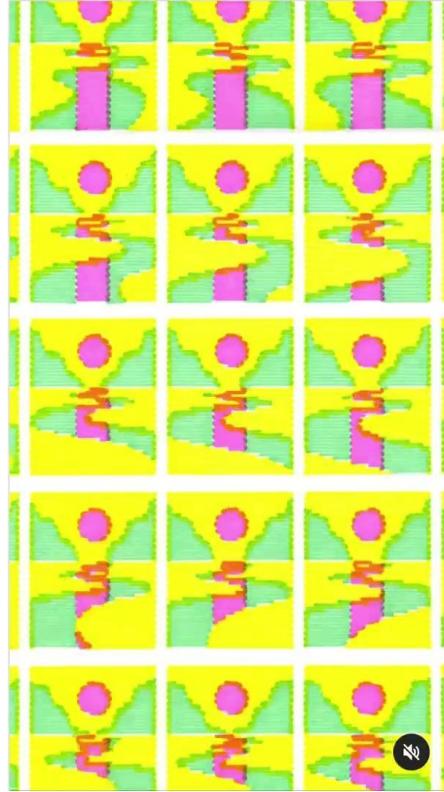


Design:

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



<https://www.instagram.com/reel/CQd-MosH3l/>

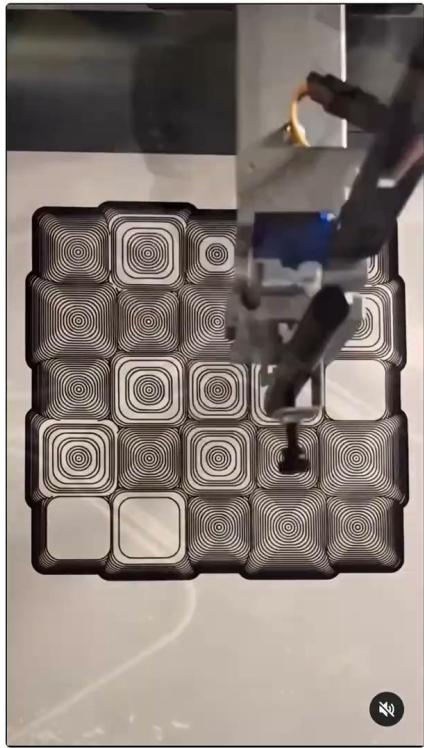


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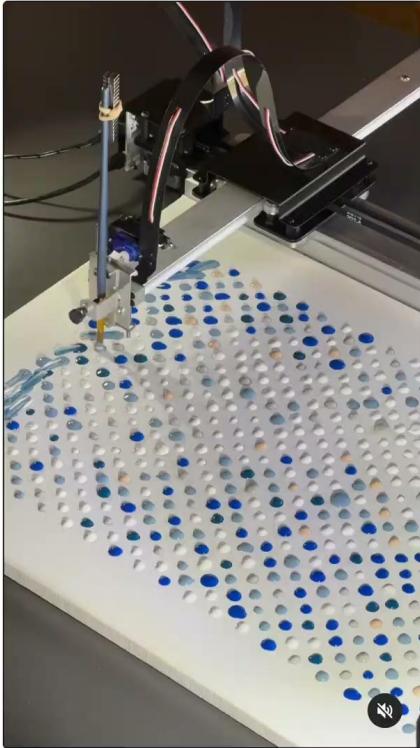


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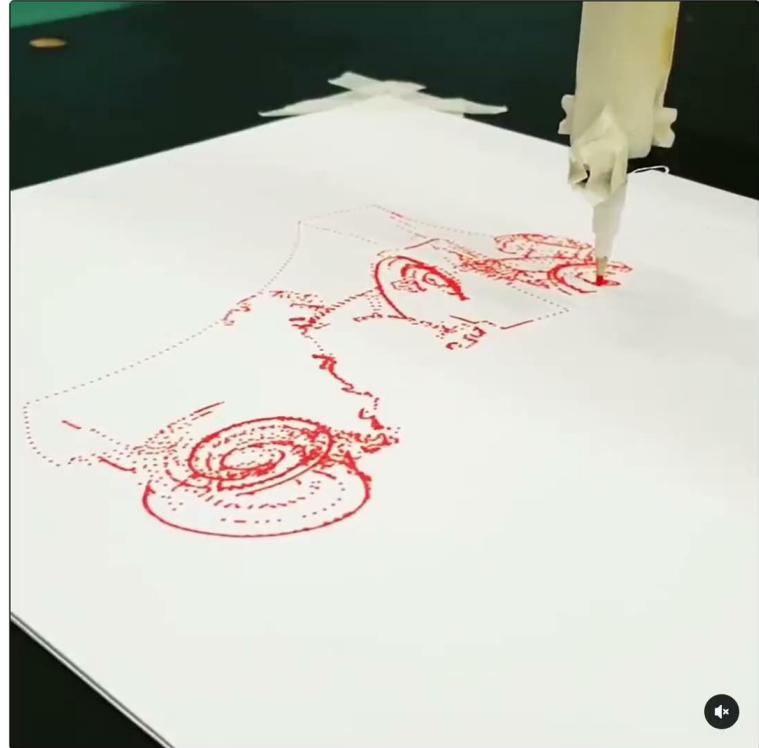
Basic - one color at a time, one height and position



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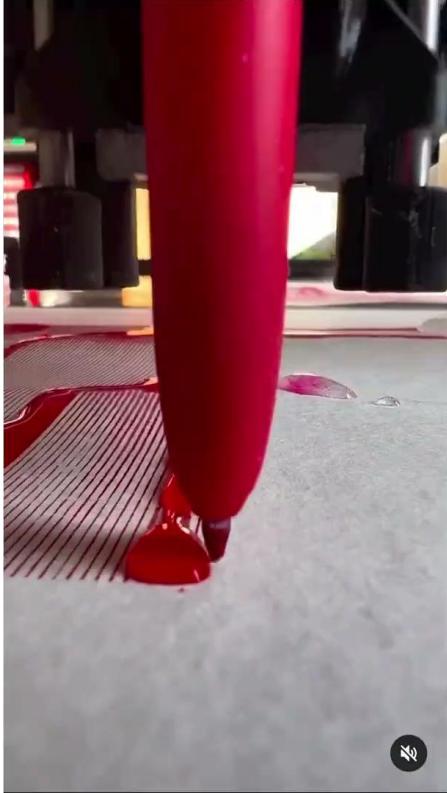


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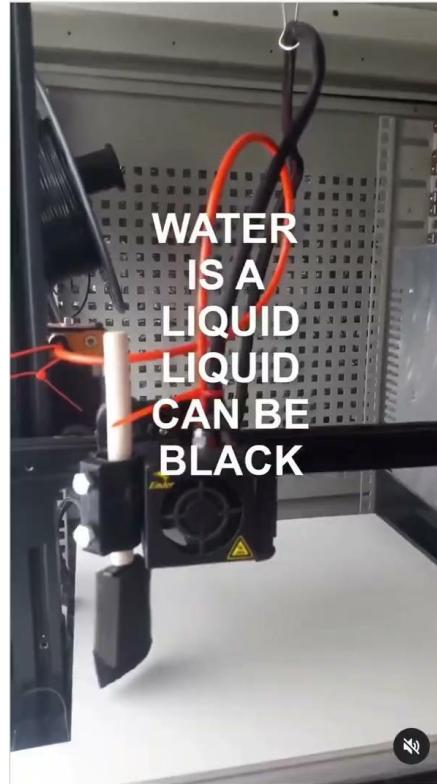
Basic - one color at a time, one height and position



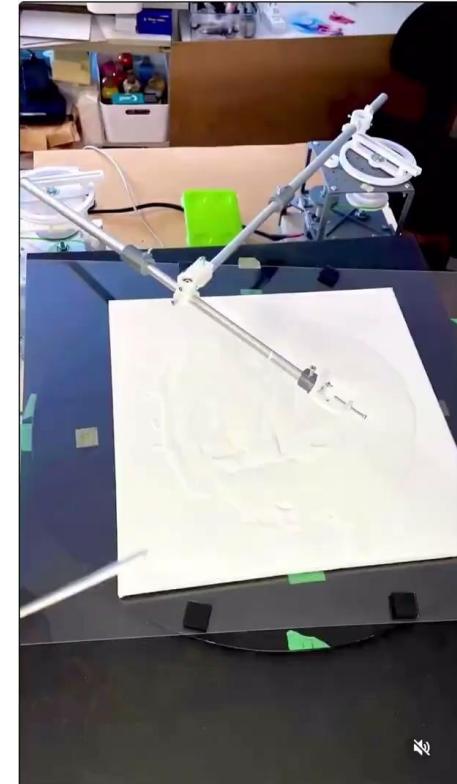
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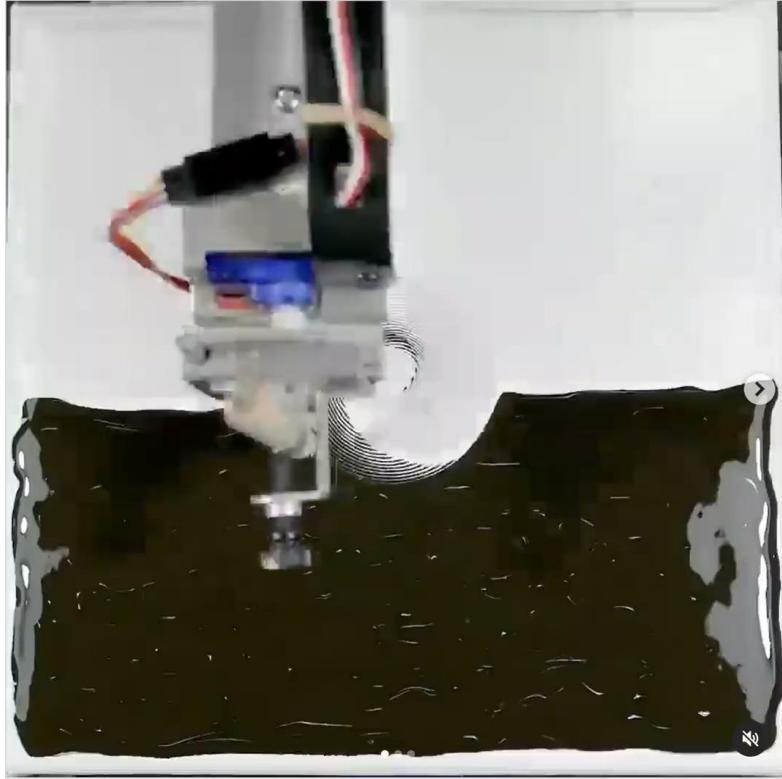


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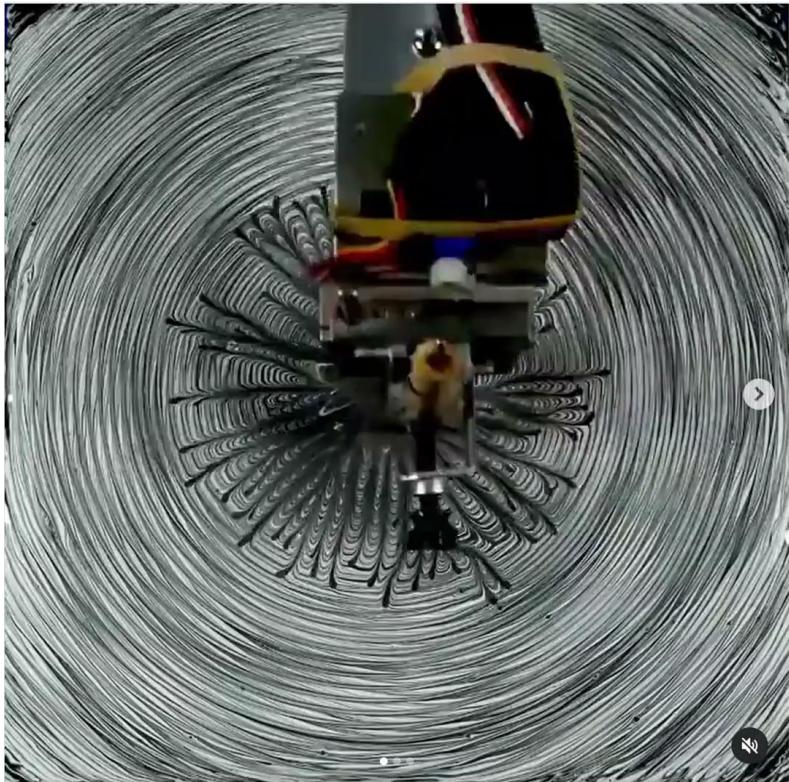
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Added - water, materials



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Added - water, materials

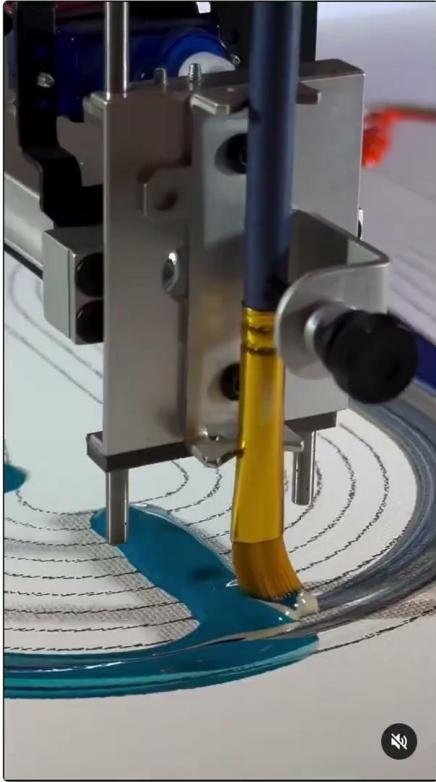


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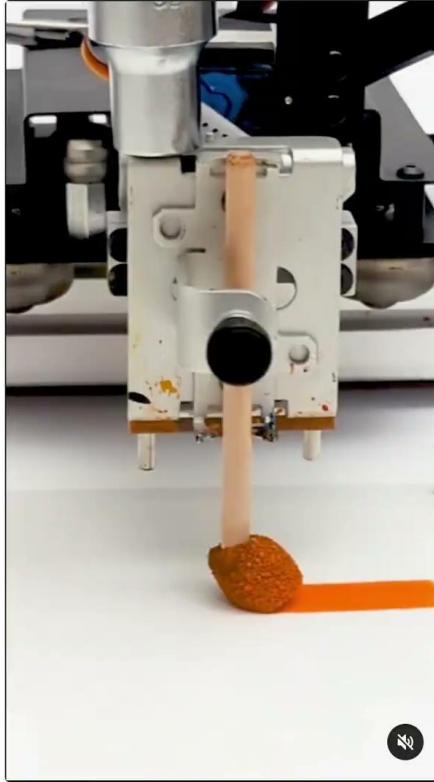


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Added - water, materials



<https://www.instagram.com/reel/C3Go-jOPtdg/>



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



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

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



<https://www.instagram.com/p/CZnDLnpvl.nx/>



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/C5J2CpFv6MV/>



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<https://www.instagram.com/reel/CthkHoHlxg4/>

Different material and tools

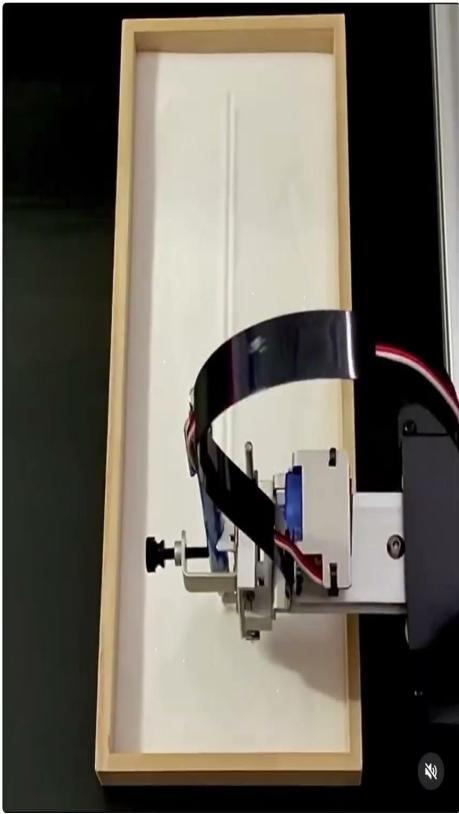


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Different material and tools

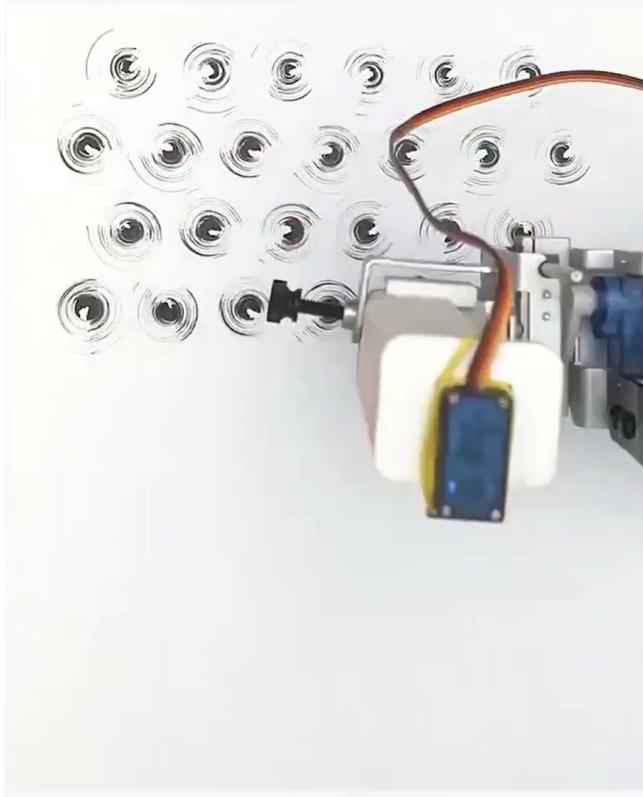


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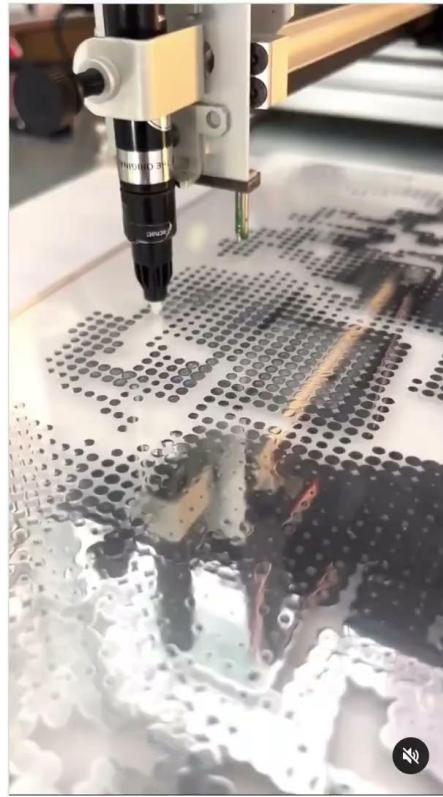


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Sand



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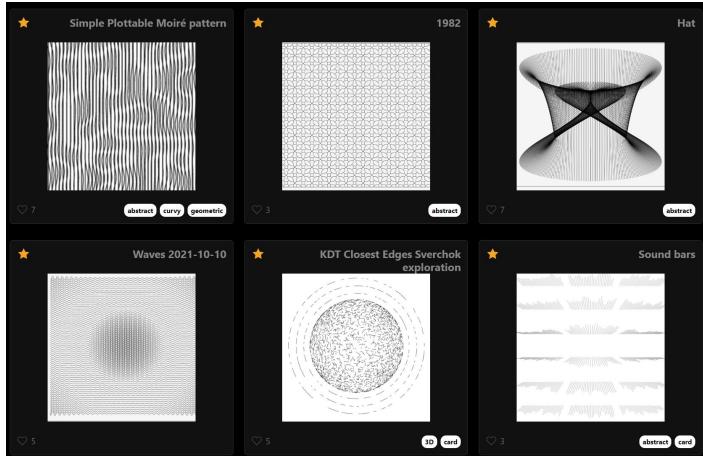
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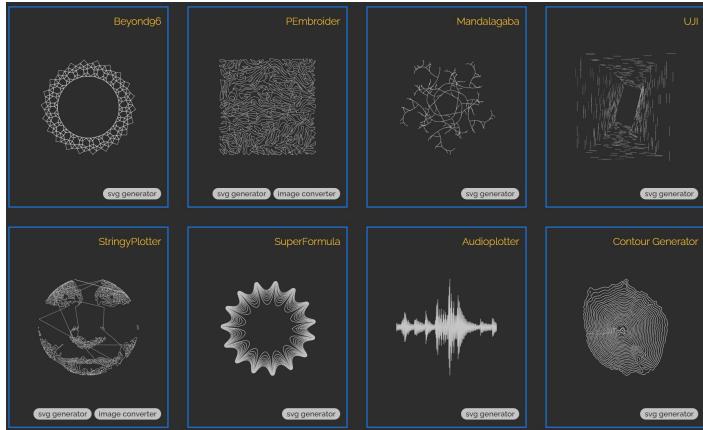
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Control the height, position and rotation

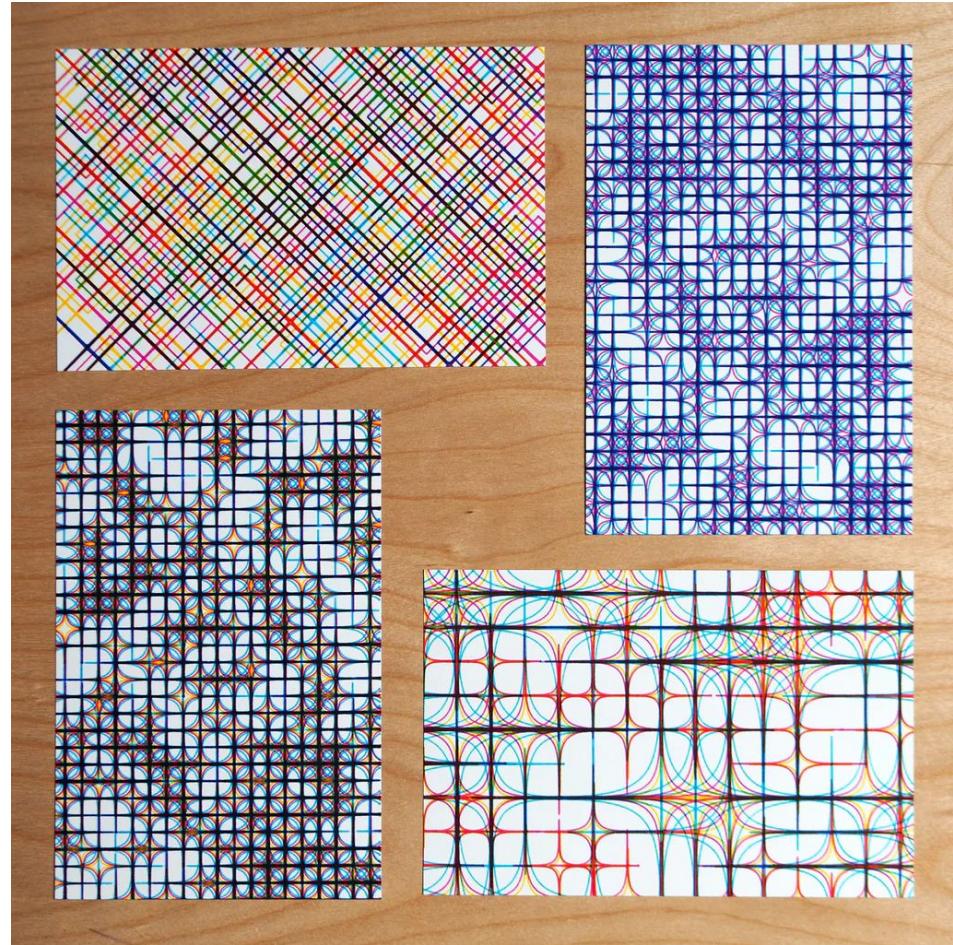
Links



<https://plotterfiles.com/>



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



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



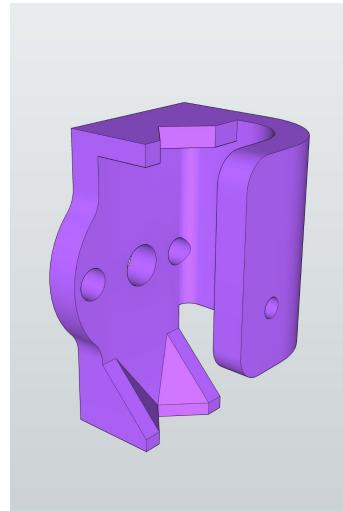
<https://www.printables.com/model/15322-baxter-robot-elastic-pen-holder>



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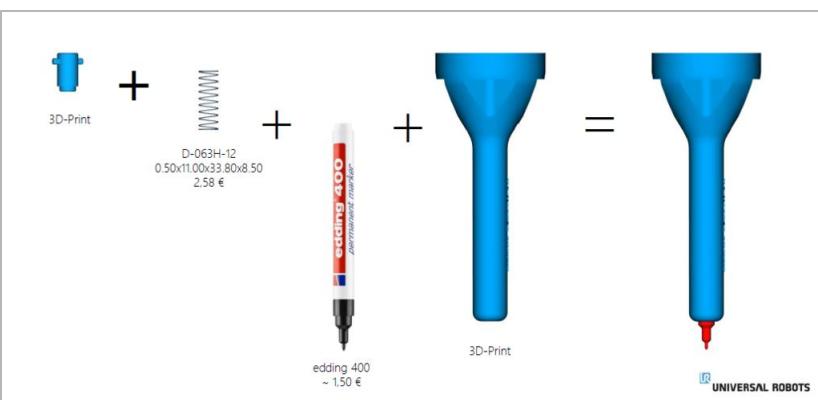
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<https://cults3d.com/en/3d-model/tool/robust-pen-holder-for-drawing-robot>



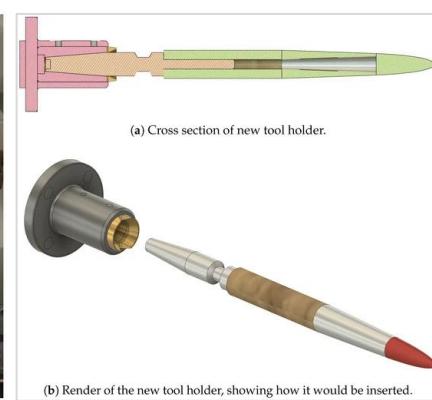
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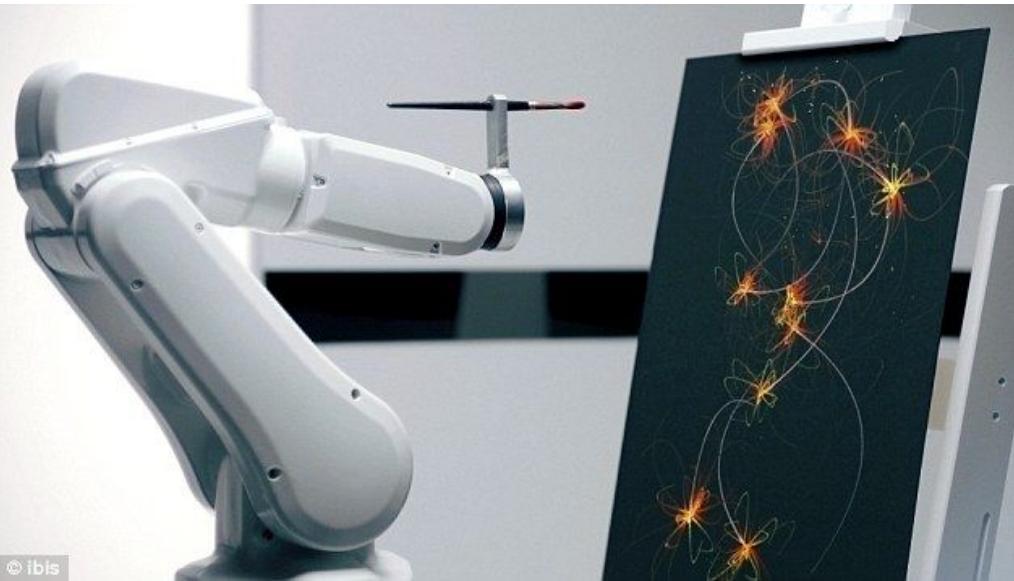
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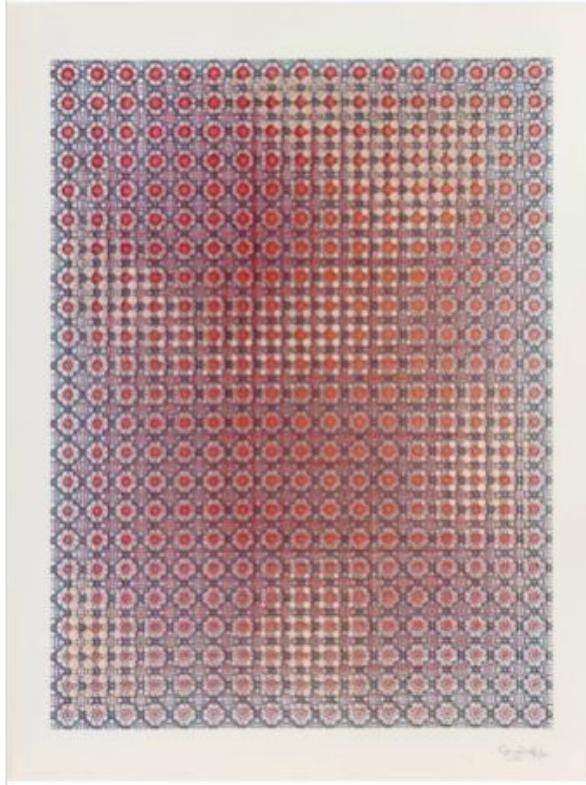
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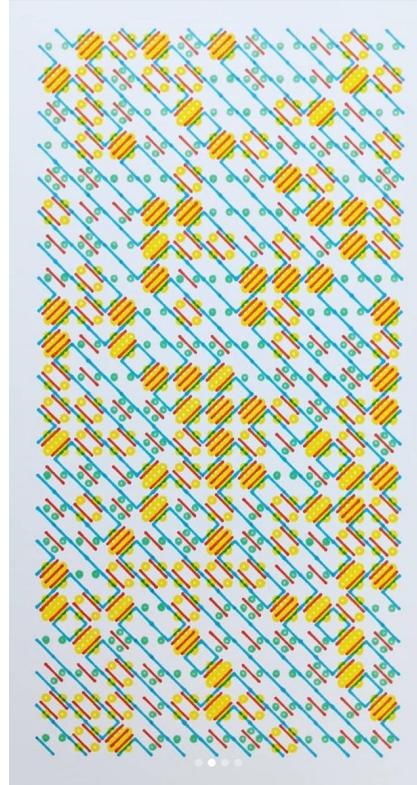
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<https://www.dailymail.co.uk/sciencetech/article-2211227/The-Picasso-robots-Ibis-Hotel-creates-artificial-arm-draws-sleep-patterns-toss-turn.html>

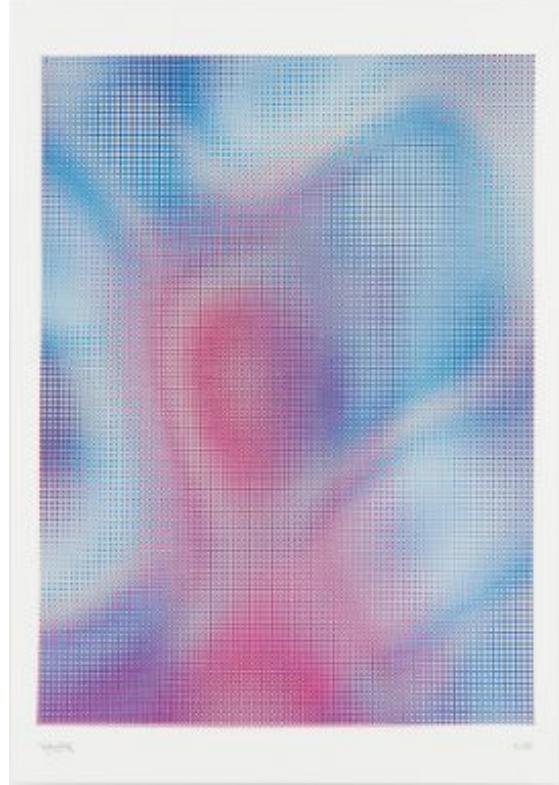
Expectations



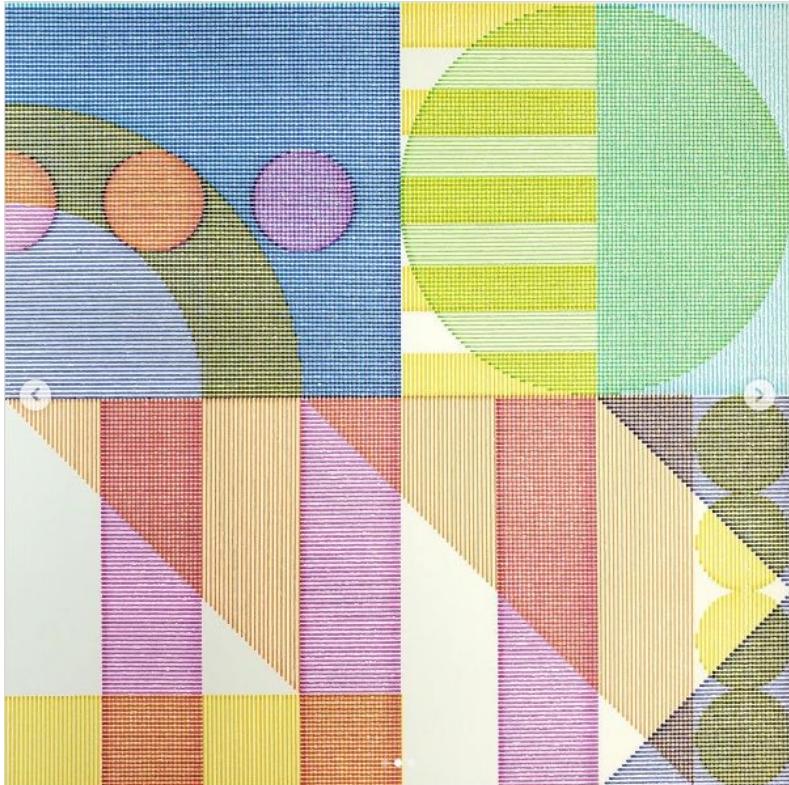
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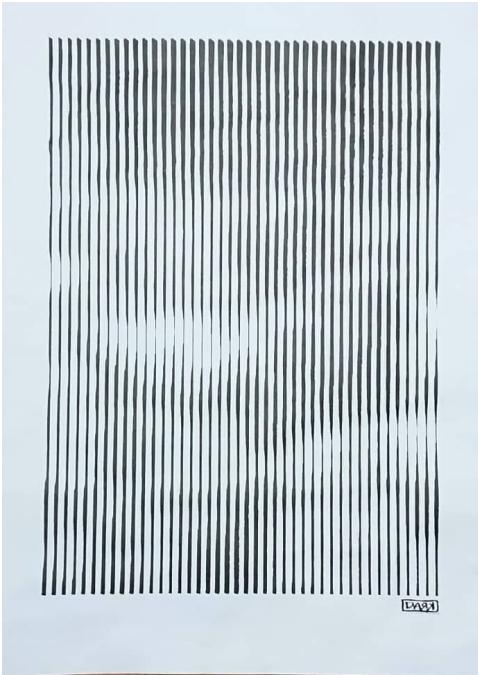
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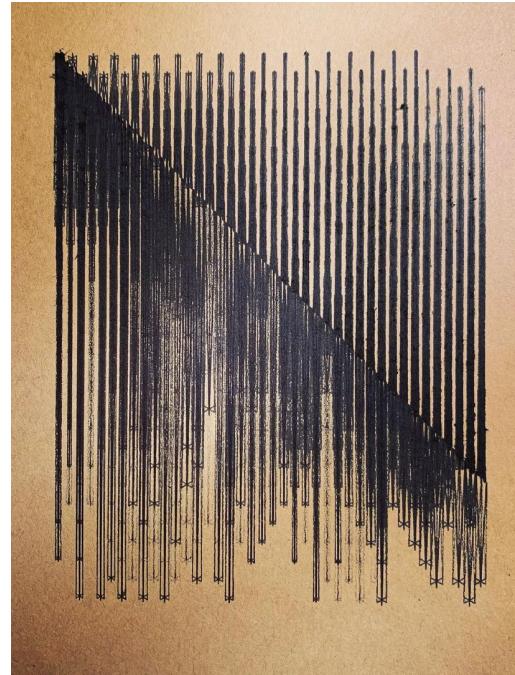
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