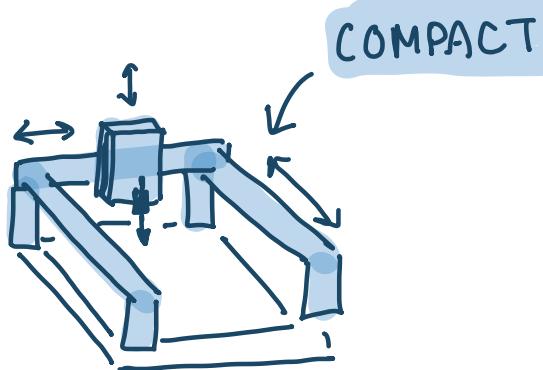


BASE :

→ thread & nut



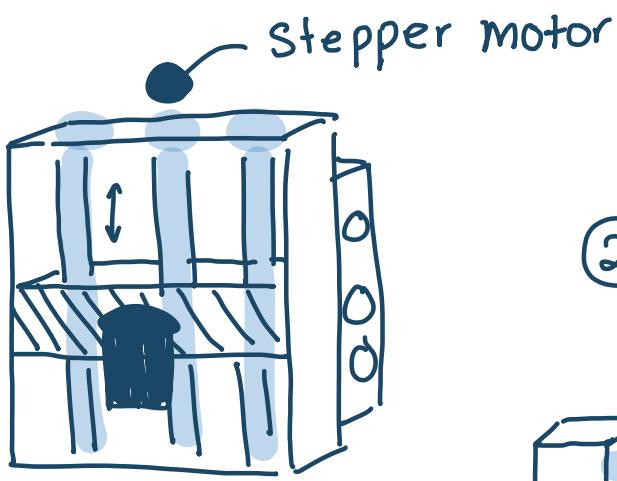
ORIGINAL BRAINSTORM

↳ Controls

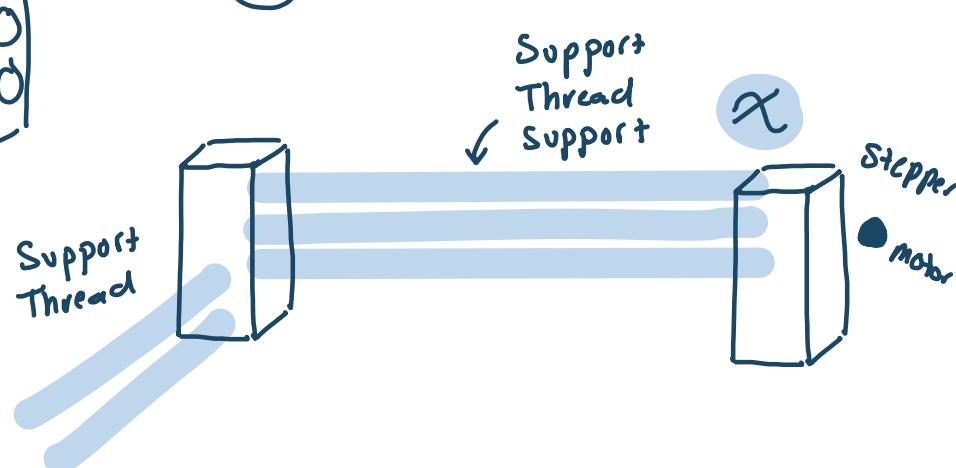
COMPACT

56 x 42 x 56 mm

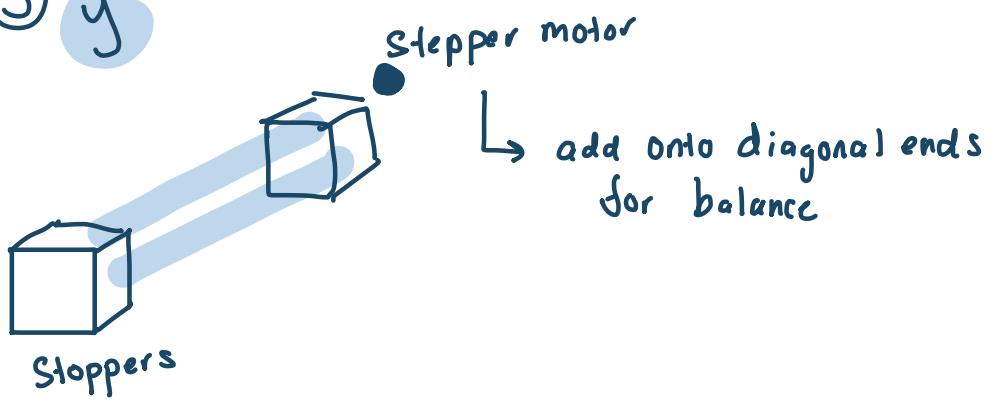
① z



② x



③ y





→ Thread



→ Support

Z-axis

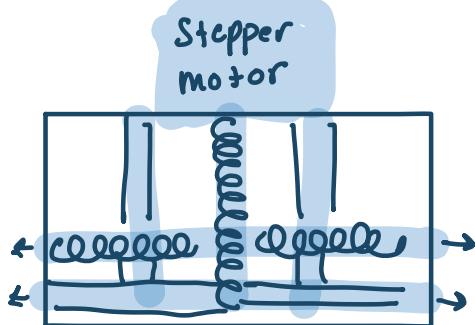
→ only needs $\sim 1\text{cm}$ ↑

→ light, maybe only one Support needed

REFINED DESIGN

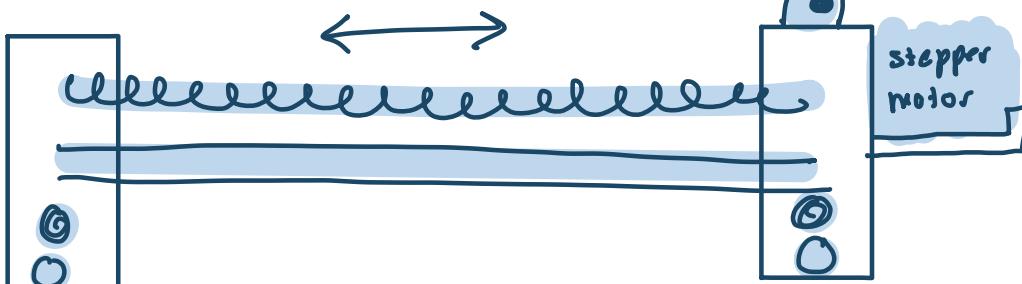
↳ Controls

$H: \sim 6\text{cm}$

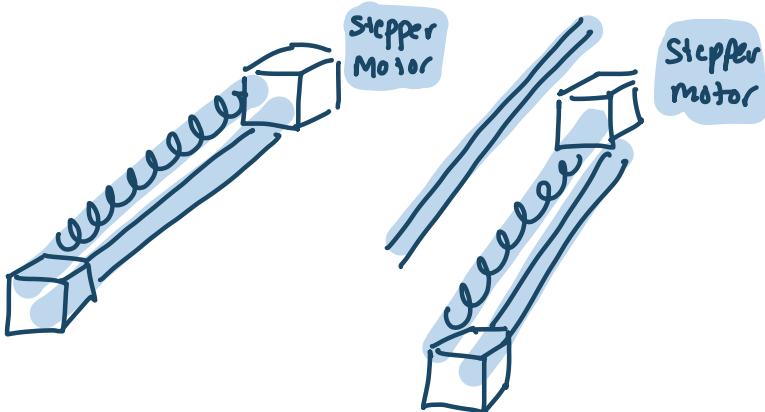


X-axis

→ Can get away w/ only one support

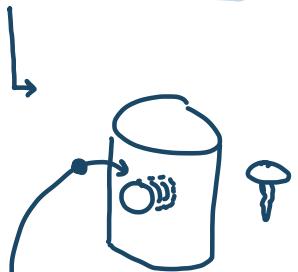


y-axis



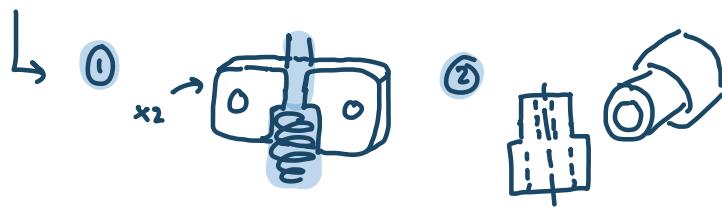
Attachments

Pen holder

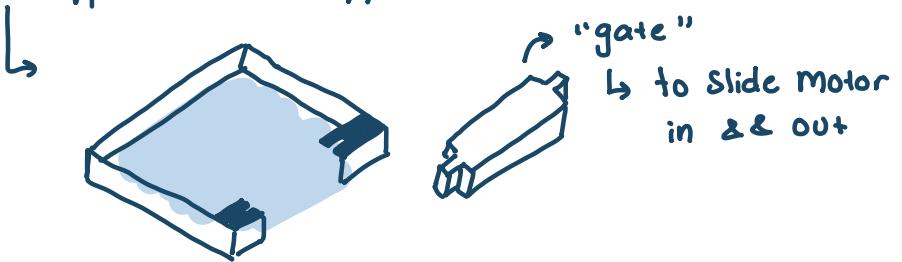


Thread & screw
(like a compass)

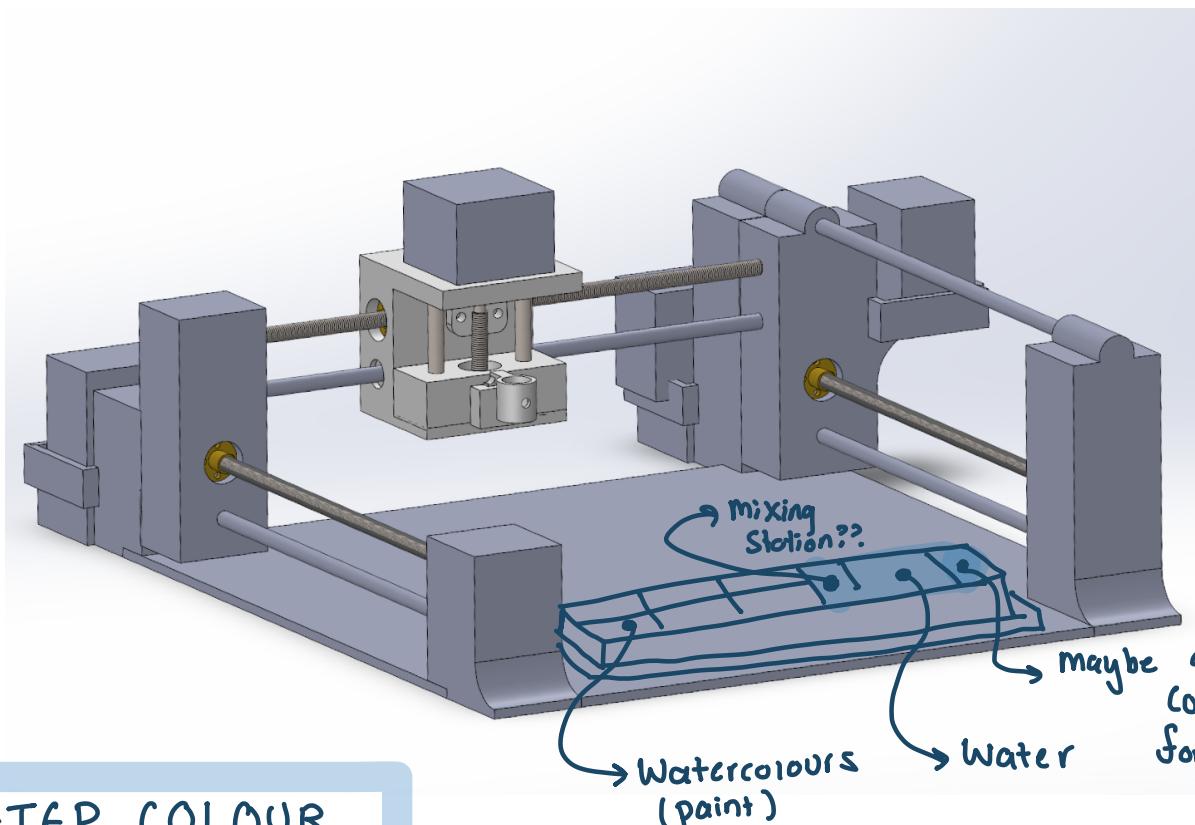
Connect thread & rod



Stepper motor support



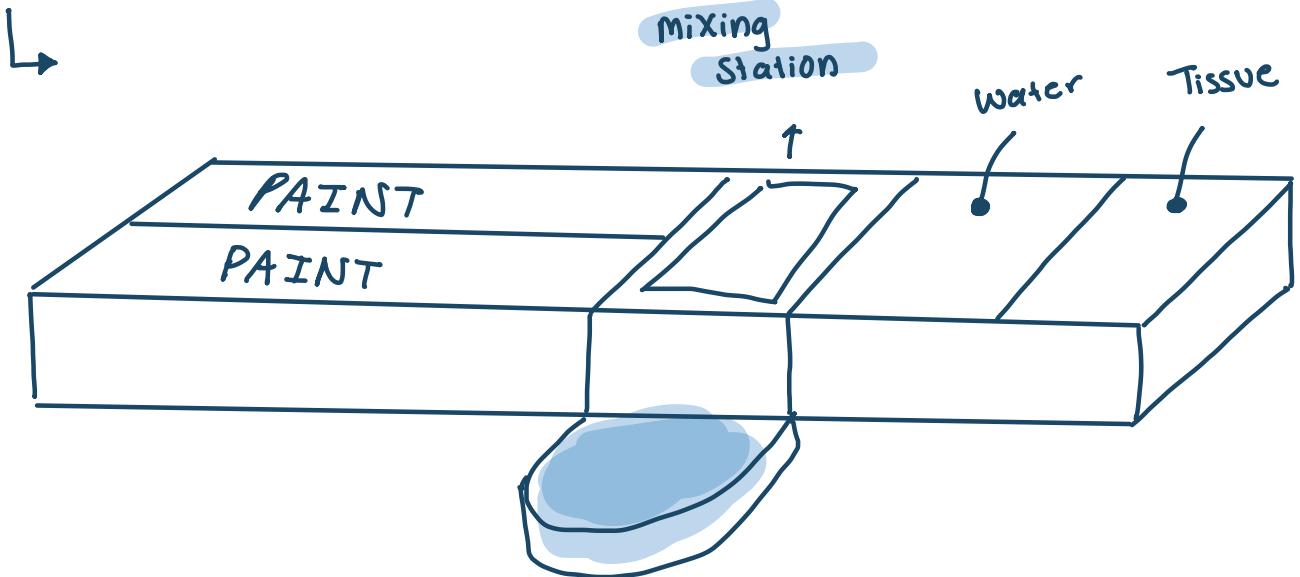
WATER COLOUR ATTACHMENT



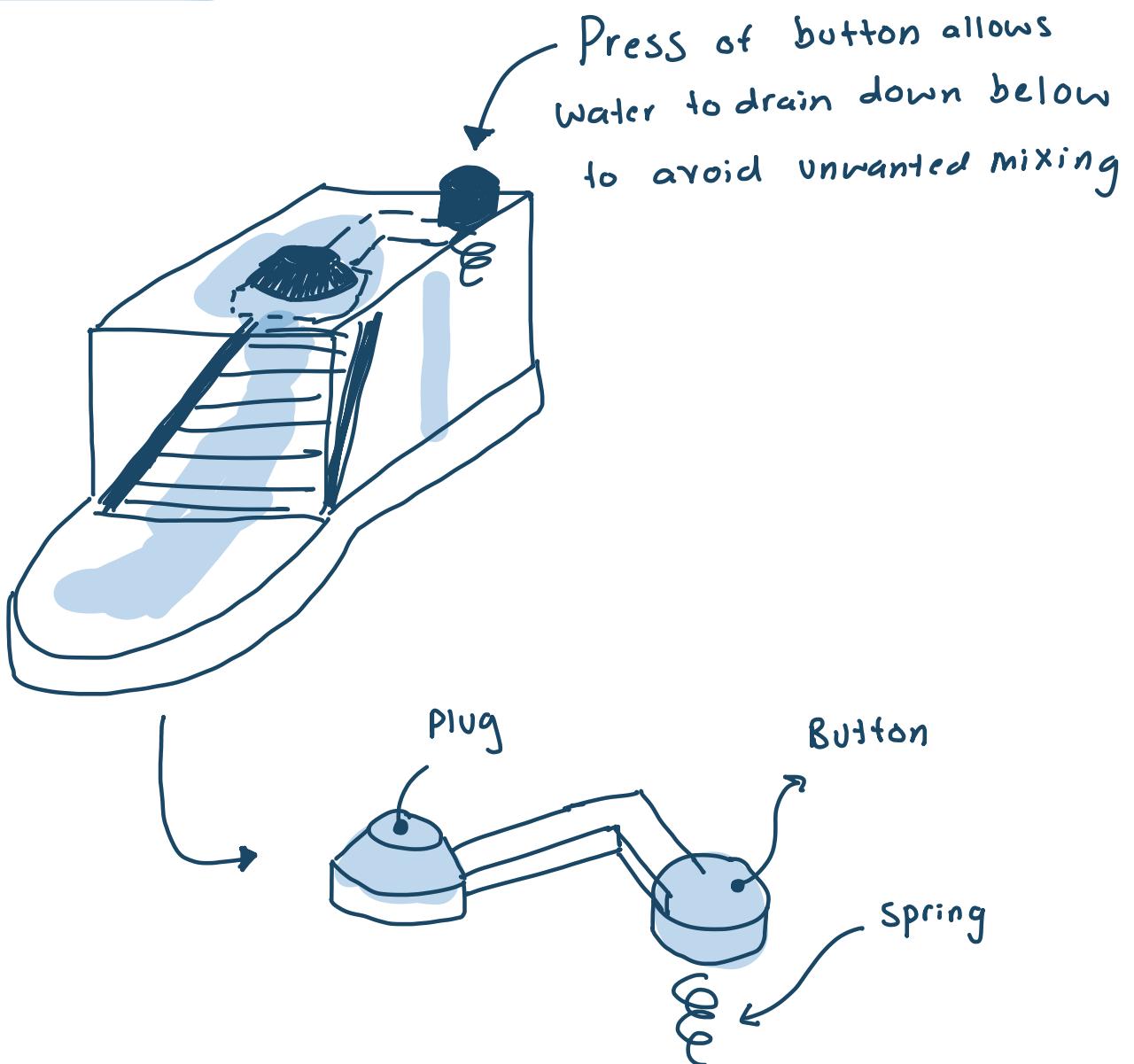
WATER COLOUR

- will have to consider lightness (how much water)
 - might need "mixing station"
 - ↳ to control water: paint ratio
- Unwanted mixing of extra water
 - ↳ "Tissue Station" can control this

FINAL DECISION



Mixing Station



PRESSING

↳ Add a peg to the z axis
that can push button down

