

Applications of 3D Printing In DH: Cylinder Seals

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Liam MacLean

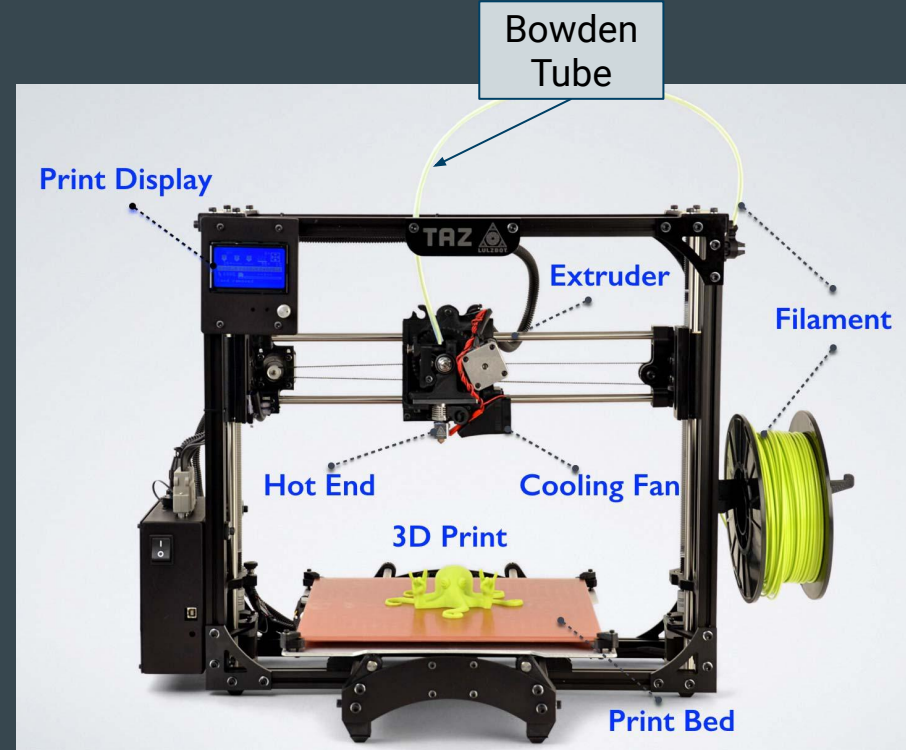
What is a Cylinder Seal?

- Method of printing images or letters in wet clay
- Emerge out of the Middle East in either 3500 BCE or 7600-6000 BCE
- Text or images engraved by hand



What is 3D Printing?

- Printer capable of making images and letters
- FFF (FDM) Printing = additive manufacture
- Prints bottom-to-top, layer-by-layer
- Print-head (extruder) moves in two dimension (ie: x and y), bed moves in one (ie: z)



Applications to DH

- Cheap, widely accessible replicas of historical objects
- Images/VR give immersive visual experiences, 3D printing gives immersive tactile experiences



Questions?

- You can find these slides as well as the tutorial we will do in a second at <https://bit.ly/cylindersealmodule>.

Making your Own Seals!

- Now we'll learn how to make our own Cylinder Seals, which will be printed and brought back to you as your own example of printing technology!
- Once you are finished, please upload your model file (it will be a “.stl”) and the original image to bit.ly/boeckeler2024uploads using the naming format “lastNameModel.stl” and “lastNameImage.png”

