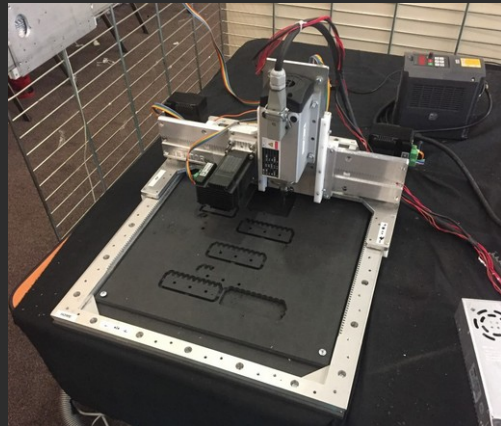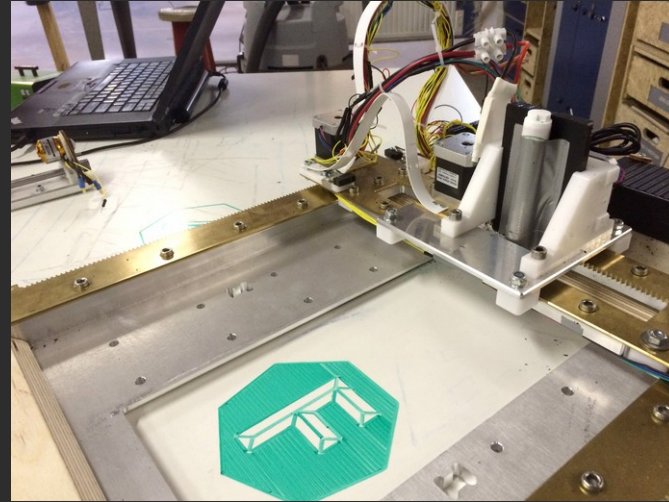fabricatable
machines

# Fabricatable machines

- Open informal research project – anyone can use and contribute

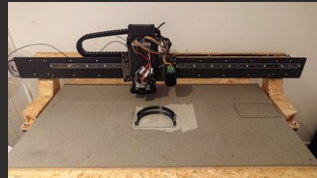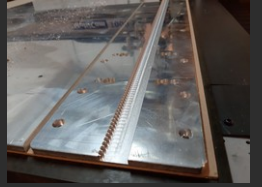- Lives on github.com/Fabricatable-Machines

# Goals

- Enable people to make and play around with custom digital fabrication machines

- Focus on making as many parts of a machine as possible

# Favourite machines

# Humphrey1 versions

# Whats is "Fabricatable"?

- Accesable techniques

- Simple and accesable BOM

- Focus on DIY over sourcing parts

- Complexity in CAD, simplicity in manufacturing and assembling

- Open source (files and toolchain)

# Fabricatable business

- Gentleman agreements with royalties

- Direct sales

- https://www.patreon.com/jensdyvik

# Lessons learned

- DIY rails is mostly suitable for small light duty machines

- Segmented rails are tricky

- "CNC friendly rack and pinion" works well

- Gearing is still needed for stiff machines

- HPL sheets work well

- Electronics and wiring is a hurdle

- Alu extrusions + FDM is more accesible than large format machining

# Research paper



- https://github.com/fellesverkstedet/fabricatable-machines/raw/master/publications/Fabricatable%20Machines%20-%20A%20Toolkit%20for%20Building%20DigitalFabrication%20Machines%20-%20TEI202.pdf
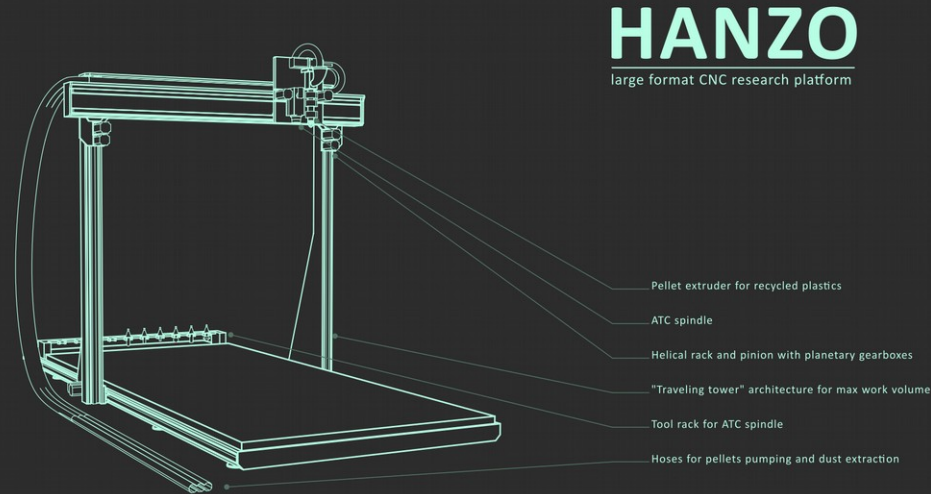
# Modules-Axes-Machines

- https://github.com/fellesverkstedet/fabricatable-machines/wiki/Modules

# Humphrey2

- https://github.com/Fabricatable-Machines/Humphrey2

# Hanzo

- https://github.com/Fabricatable-Machines/ Hanzo

# Contact

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