Next-Gen Bead-Pull Setup

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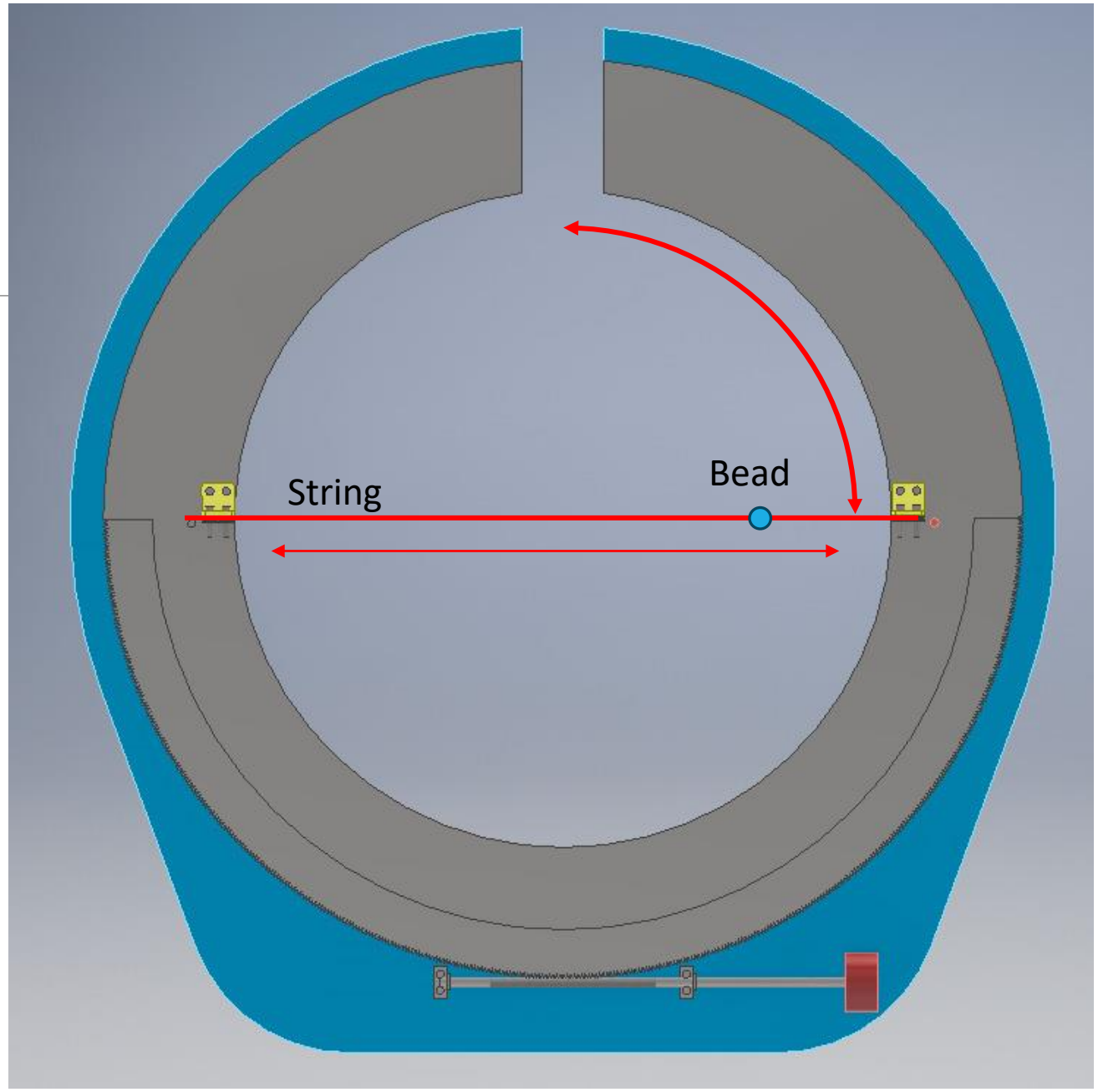
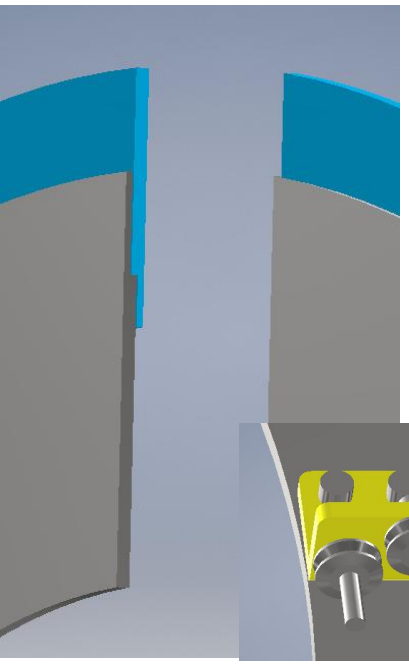
Idea: Radial Setup

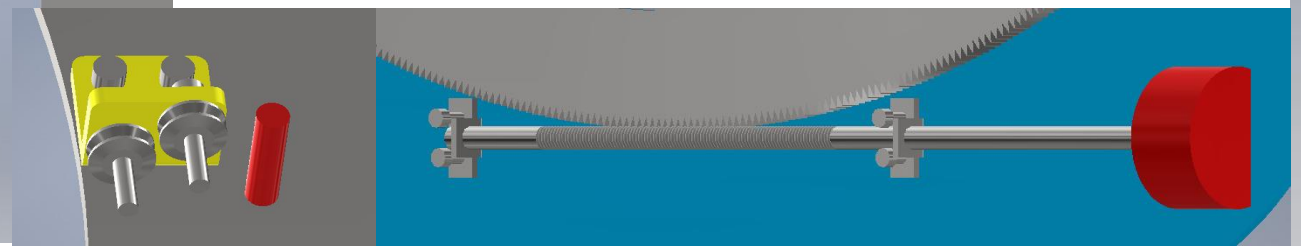
- Pull string across gap booster, rotate string along z-axis for full coverage
- Switch from cartesian coordinates to cylindrical
- Selfcontained, lightweight, simple

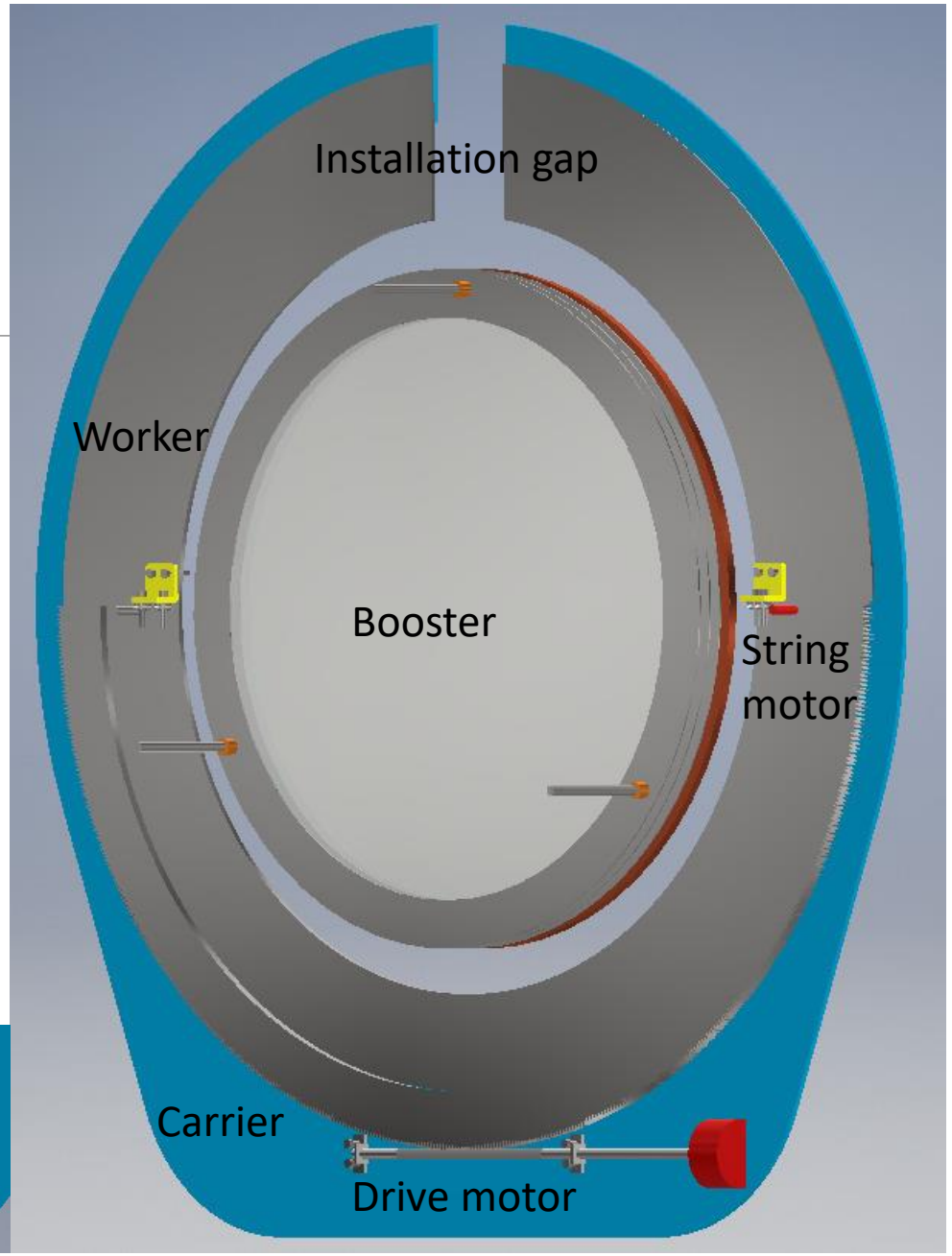


Ultimate Design Goal

- Thin components, that can be installed and moved around a large Hamburg-like setup with fixture bolts -> installation gap to navigate around bolts
- Thickest component determines minimum possible disc gap

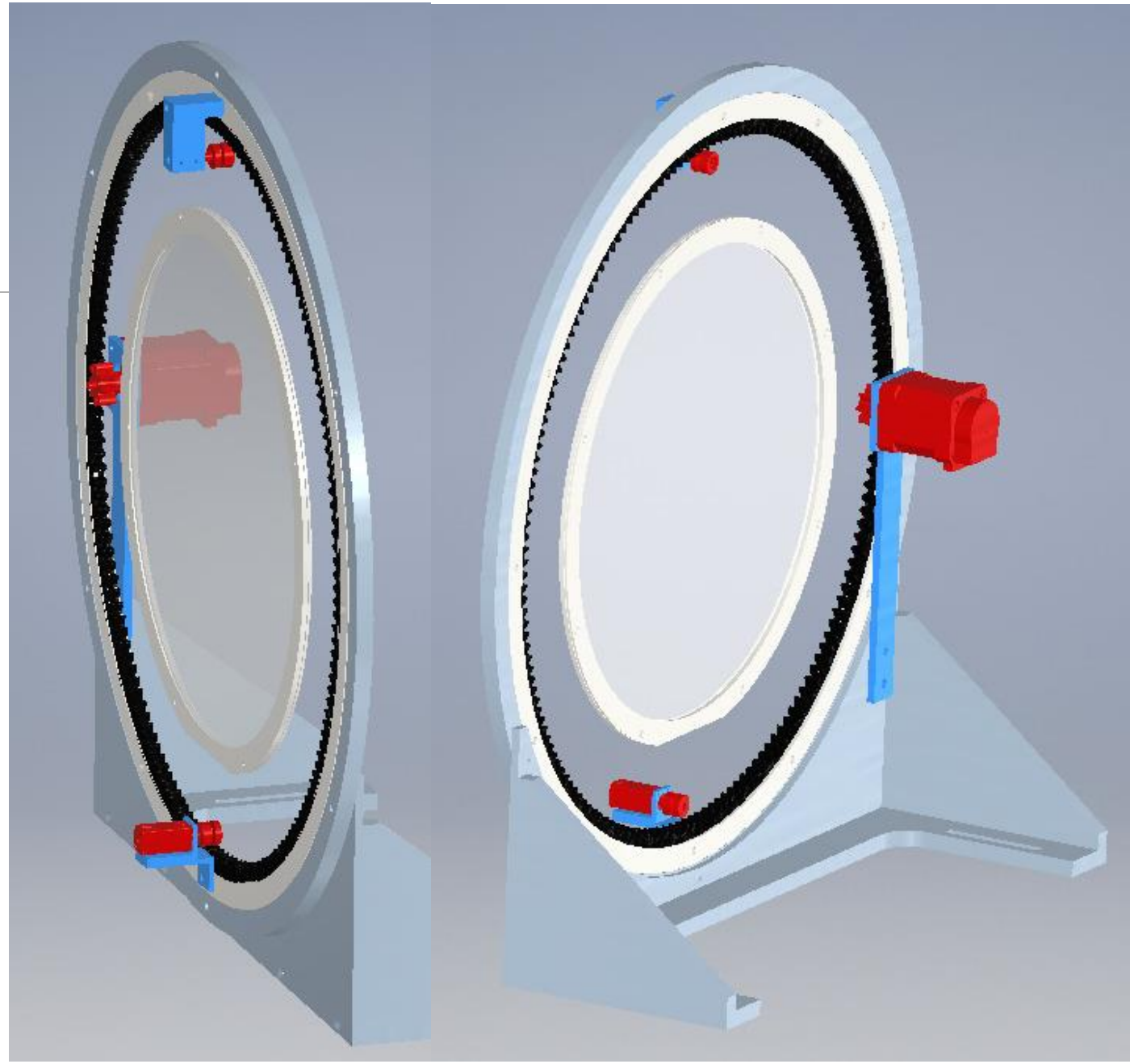






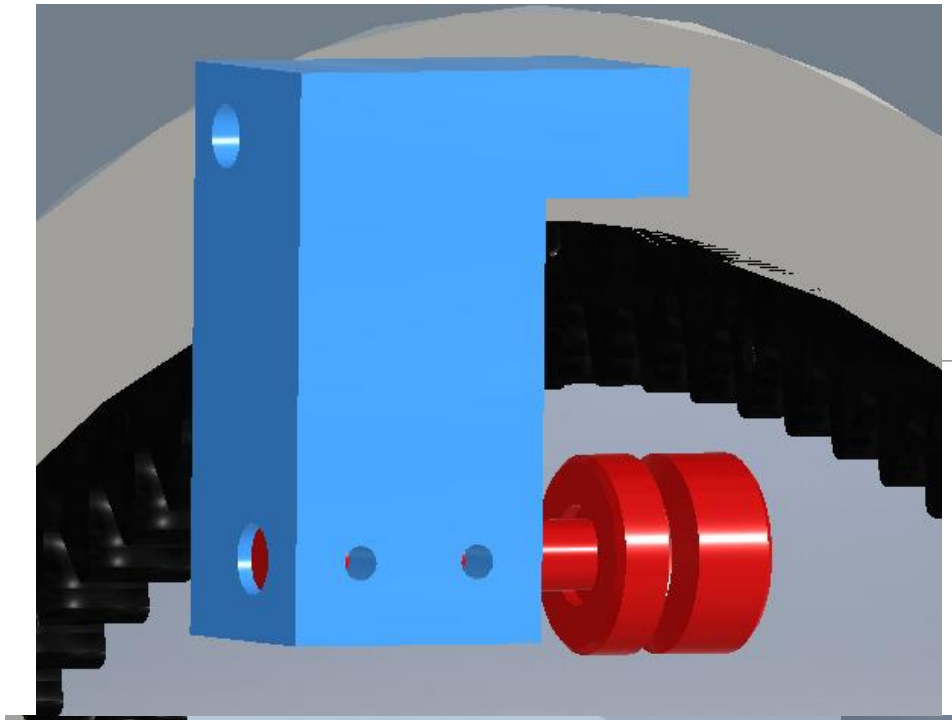
Prototype

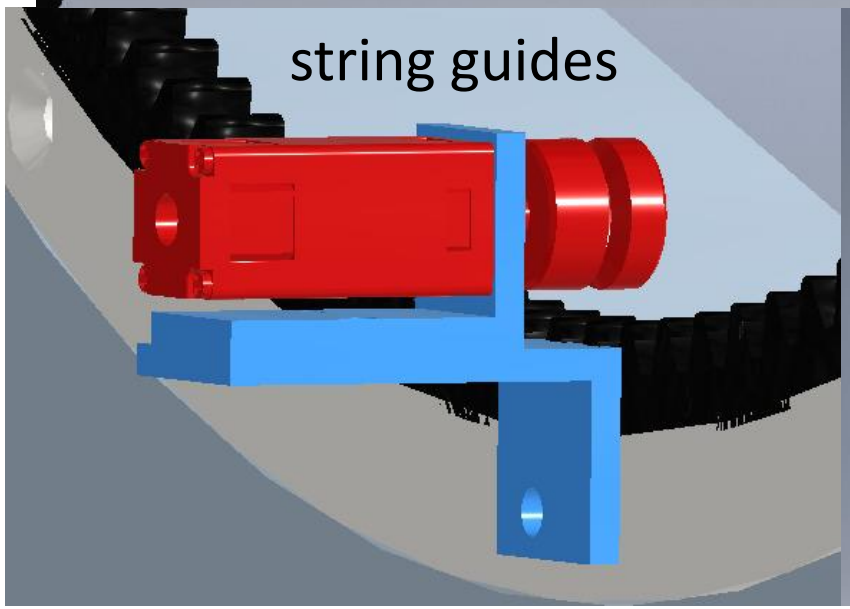
- Simplify setup to get a quick setup running
- Use premanufactured, readily available components
- Ignore thickness requirement for now

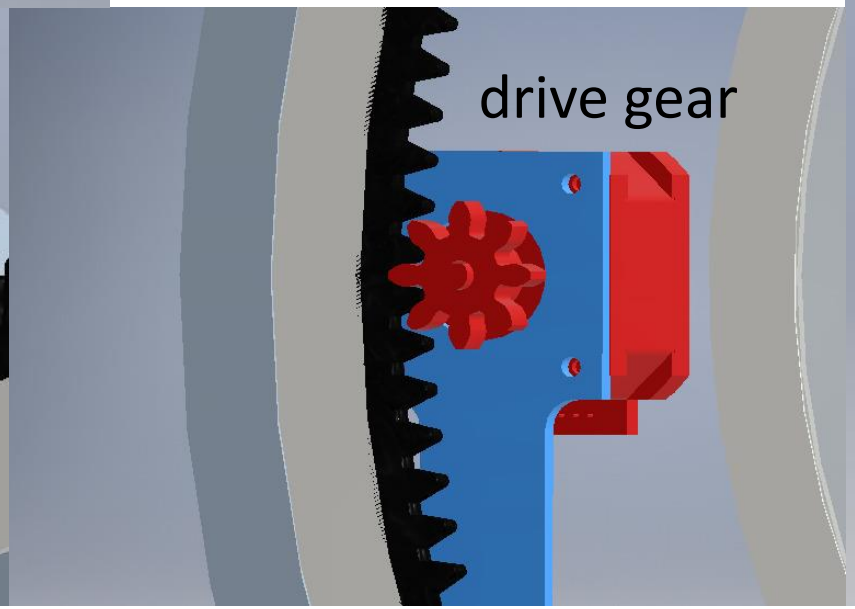


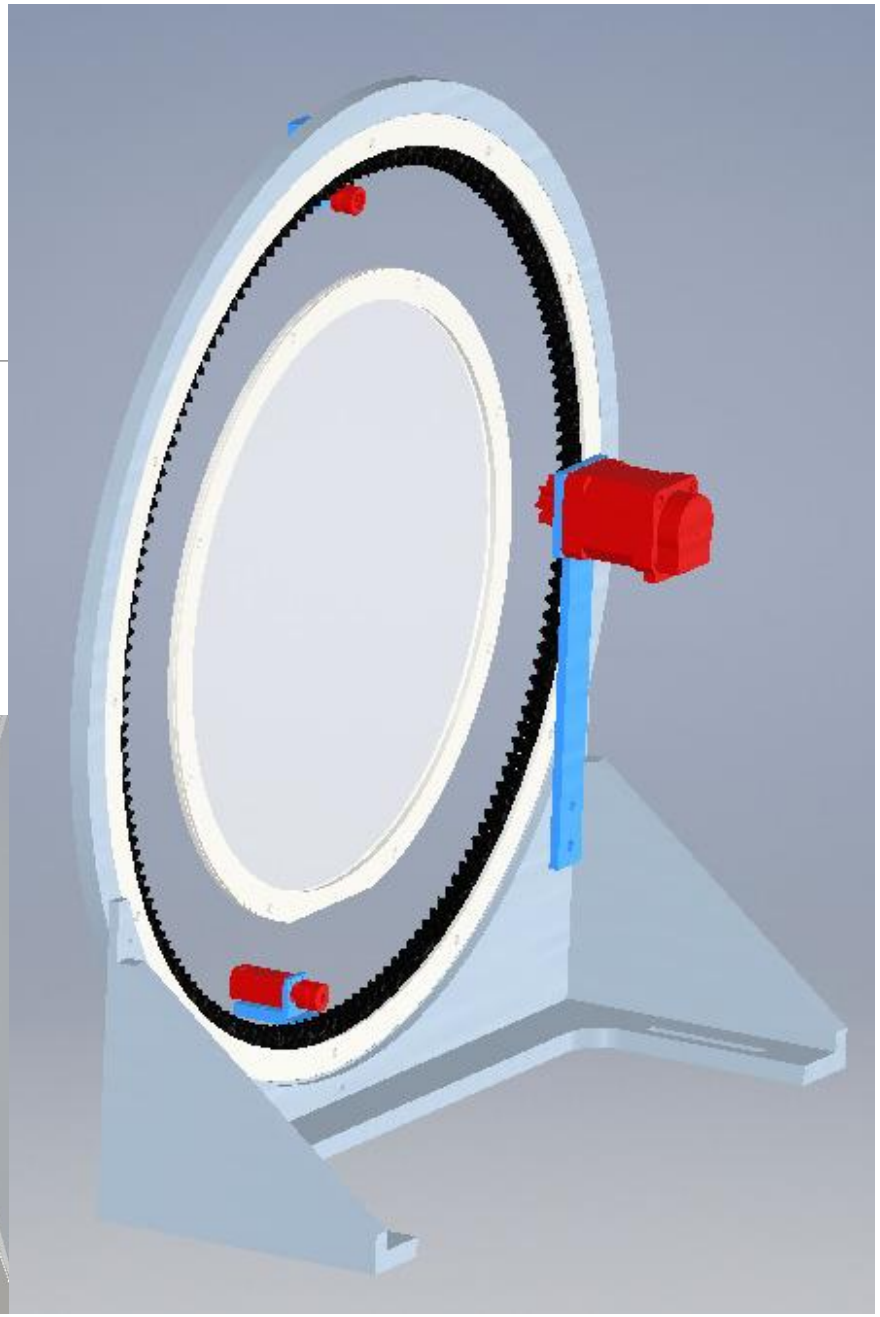
Prototype

- Buy ring structure, motors, only manufacture fixtures



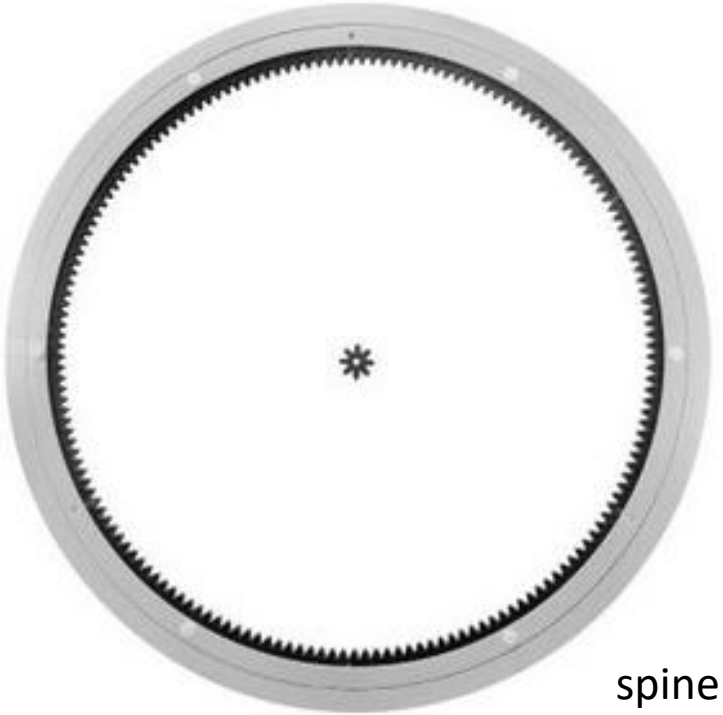






Prototype

- Components will be bought next week -> assembled and operational in maybe ~1 month?
- Overall relatively cheap:
  total cost estimate < 1.000€



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