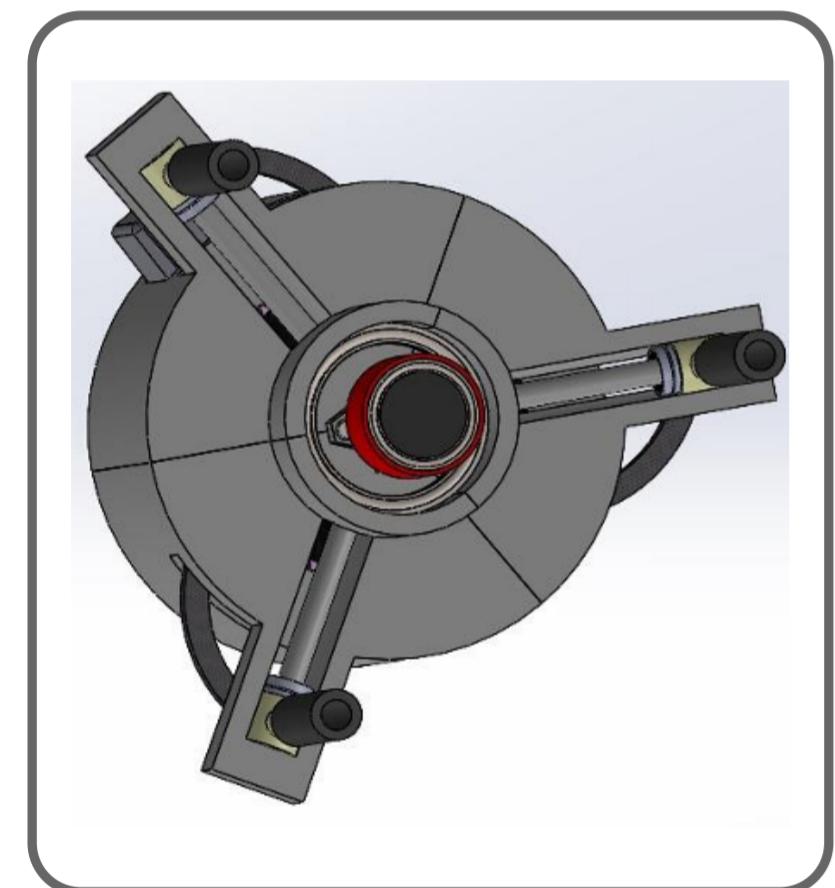


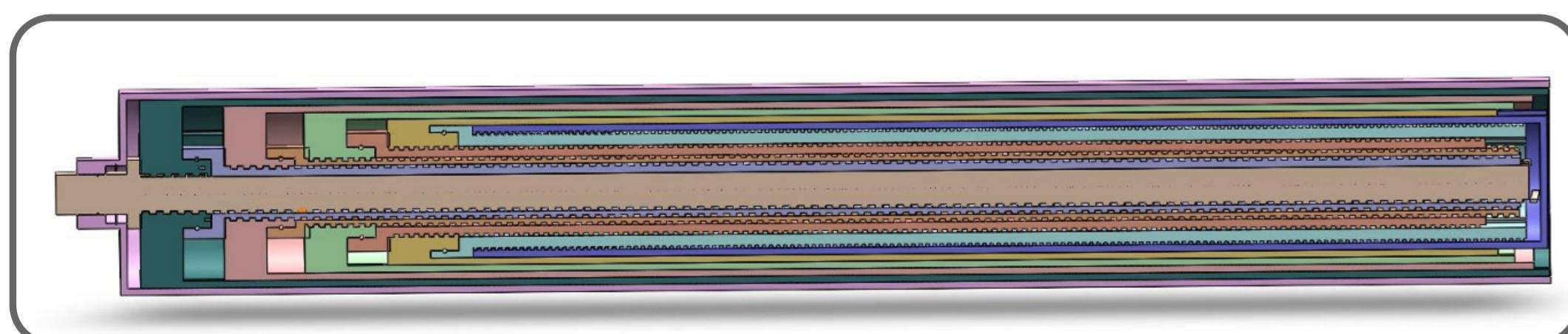
**Retracted Agitator**



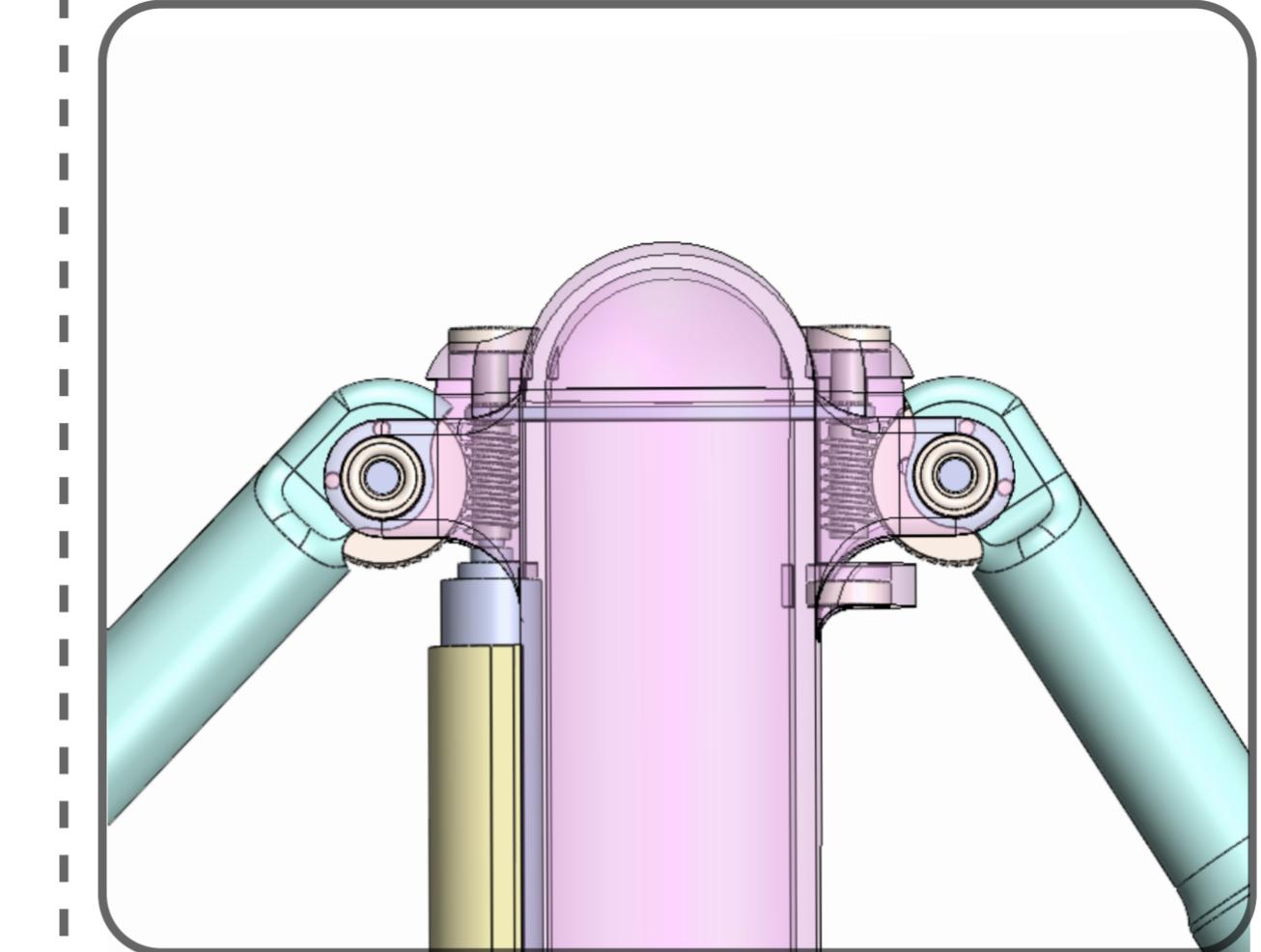
**Expanded Agitator**



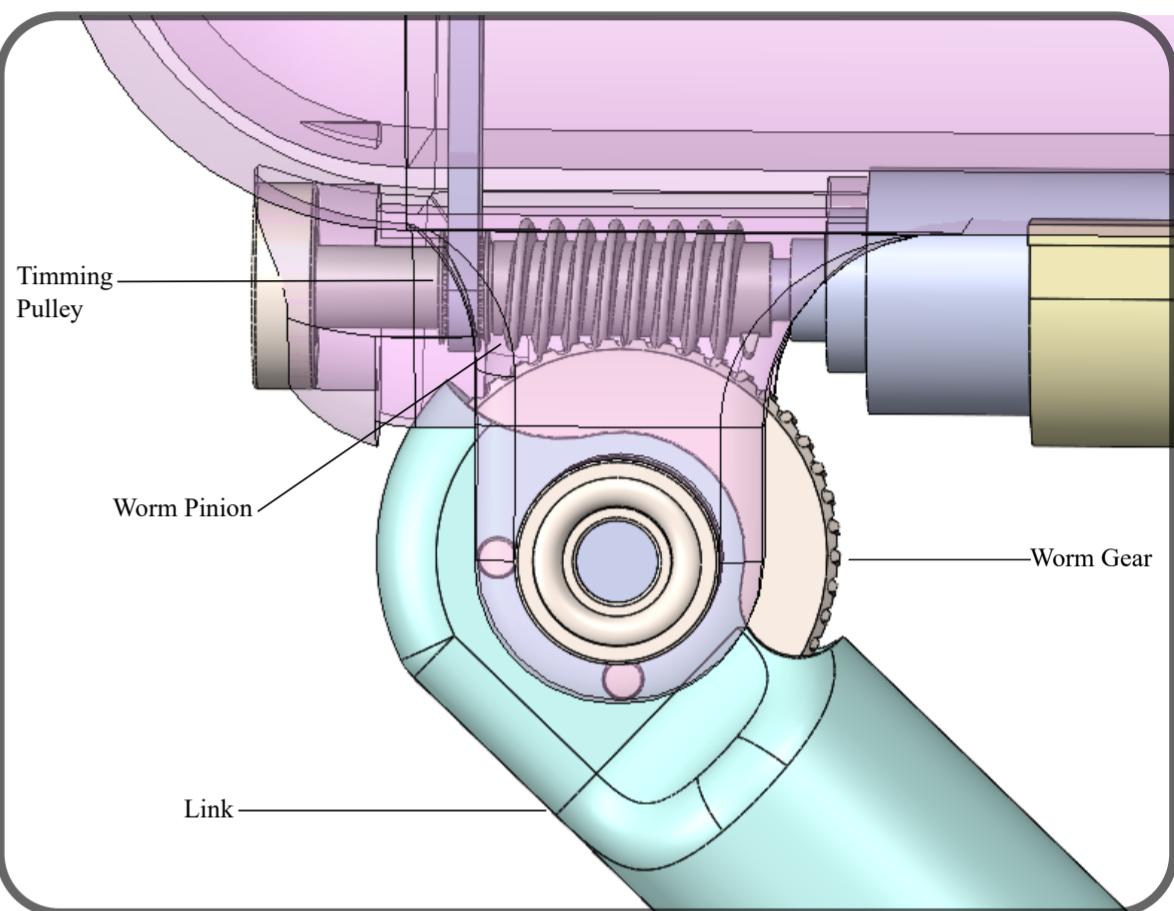
**Clutching Mechanism**



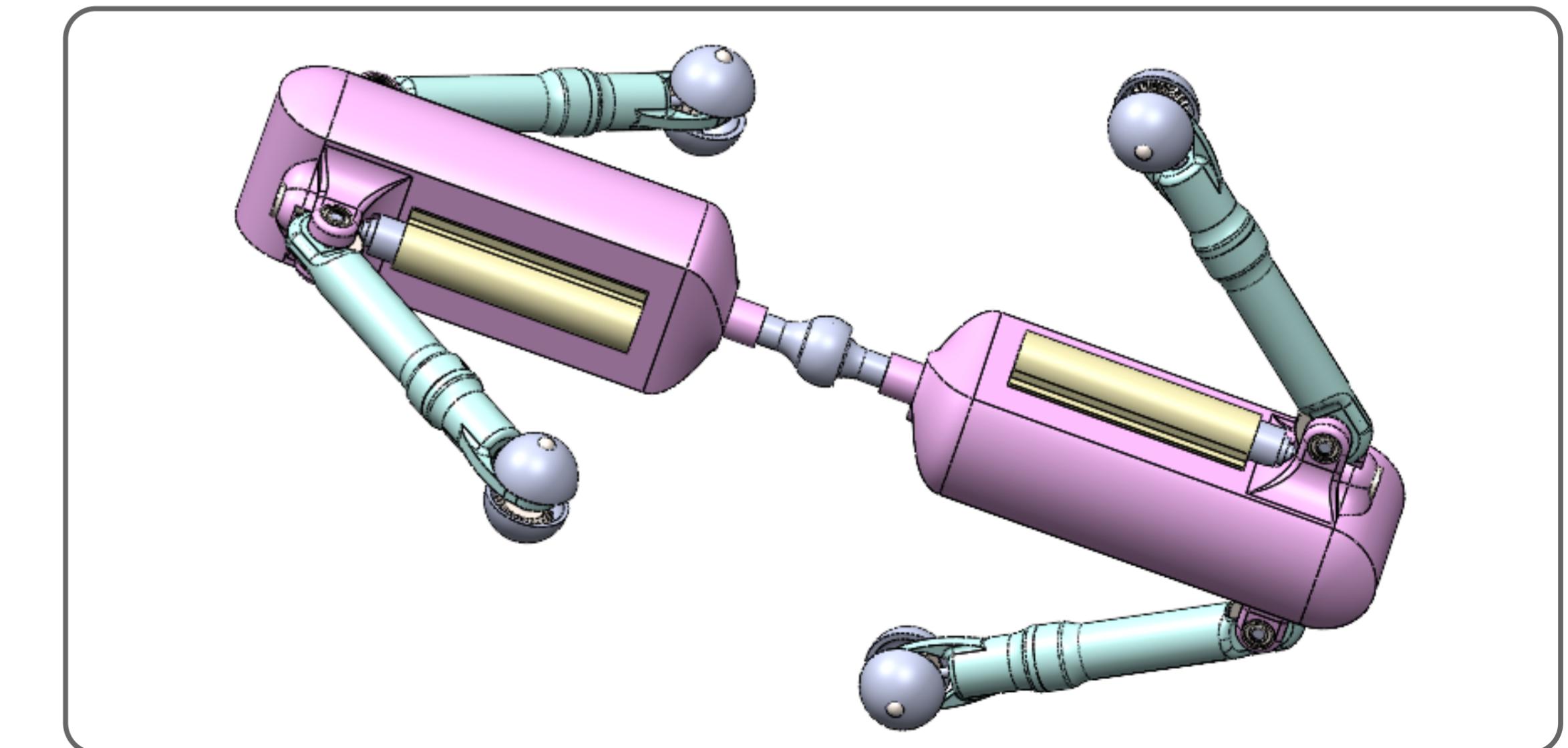
**Concentric Lead Screw Mechanism**



**Expanding Mechanism**



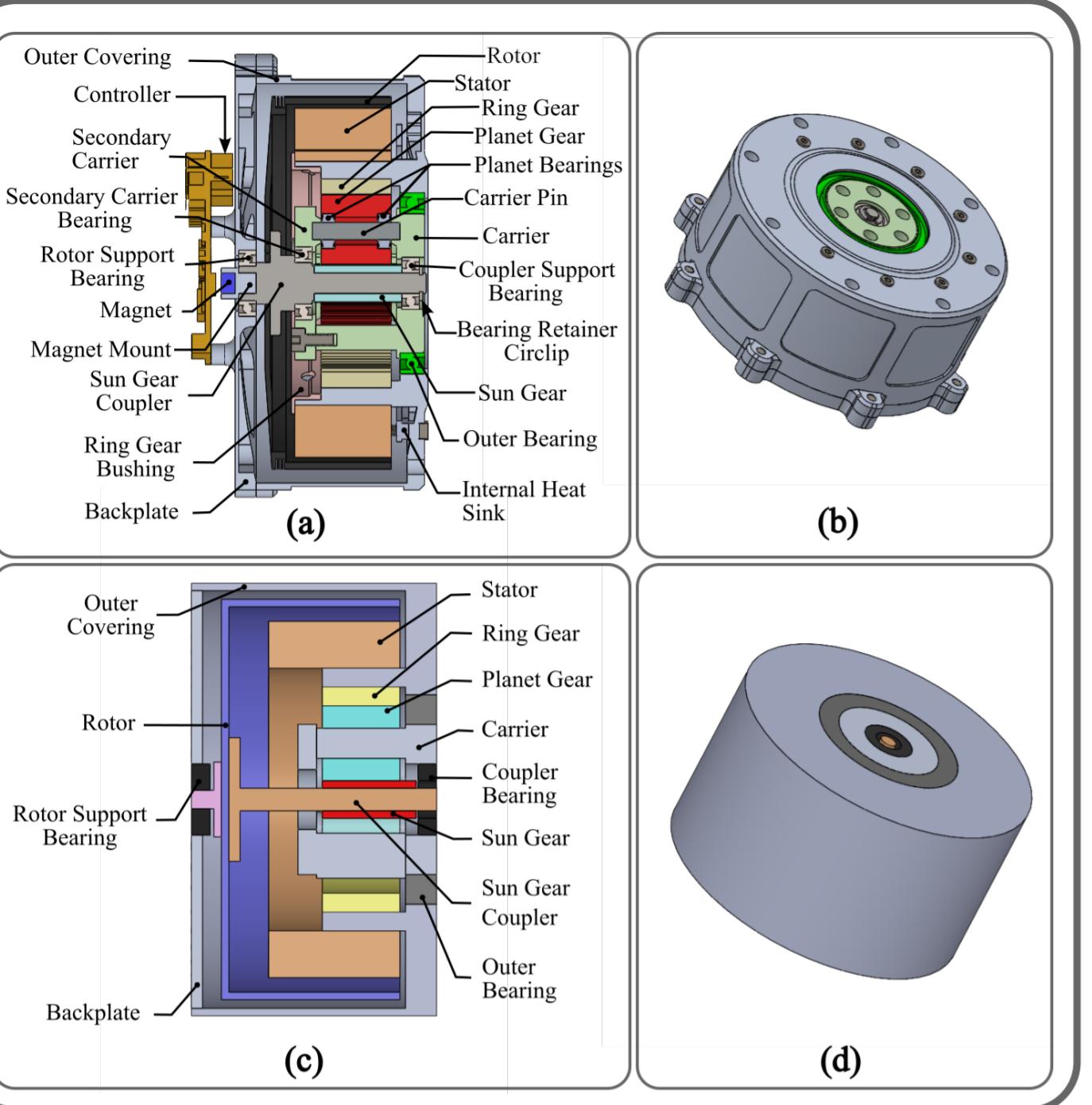
**Expanding Mechanism Contd.**



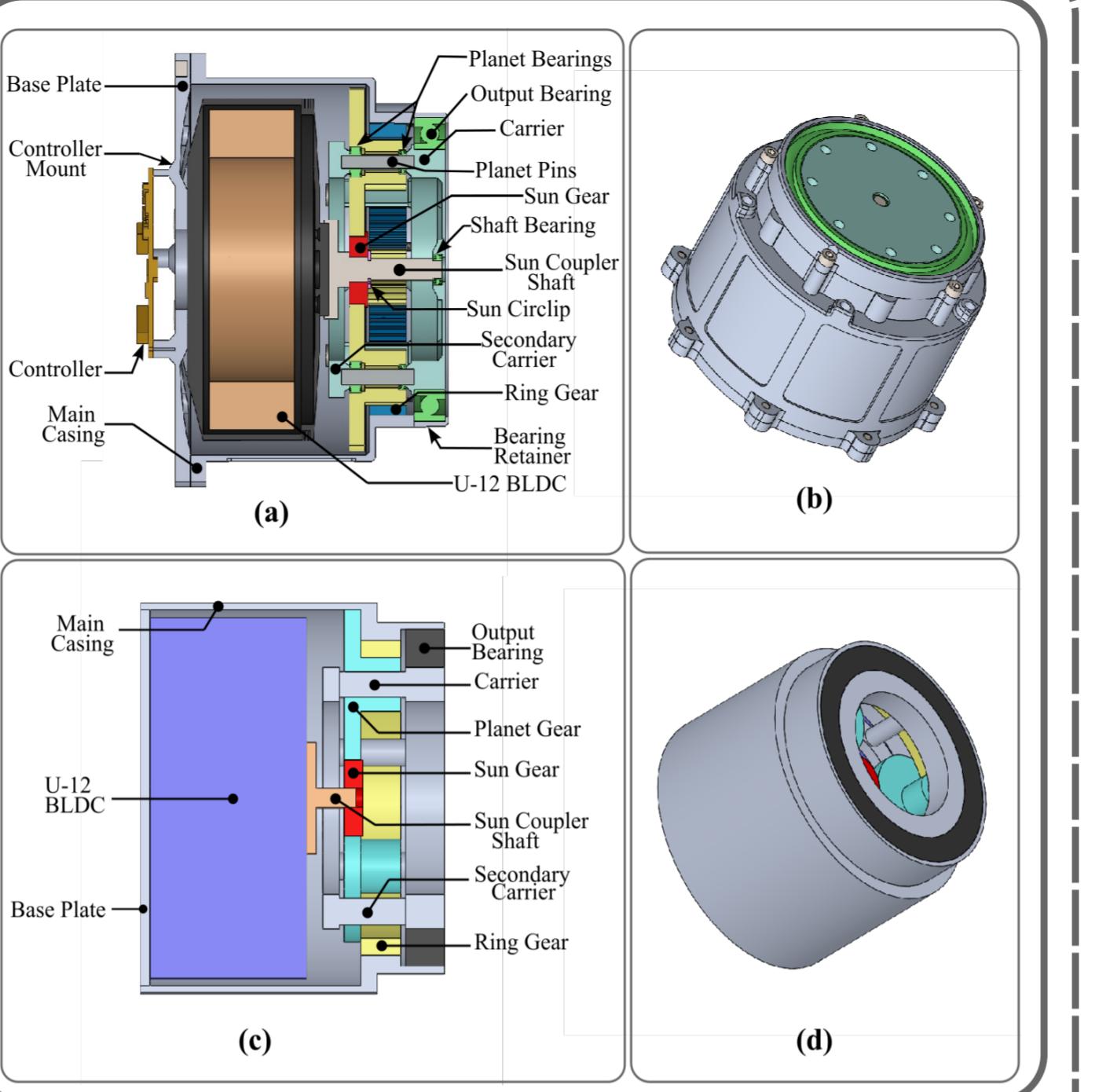
**Fully body Assembly**

**Self Clutching Expanding Agitator**

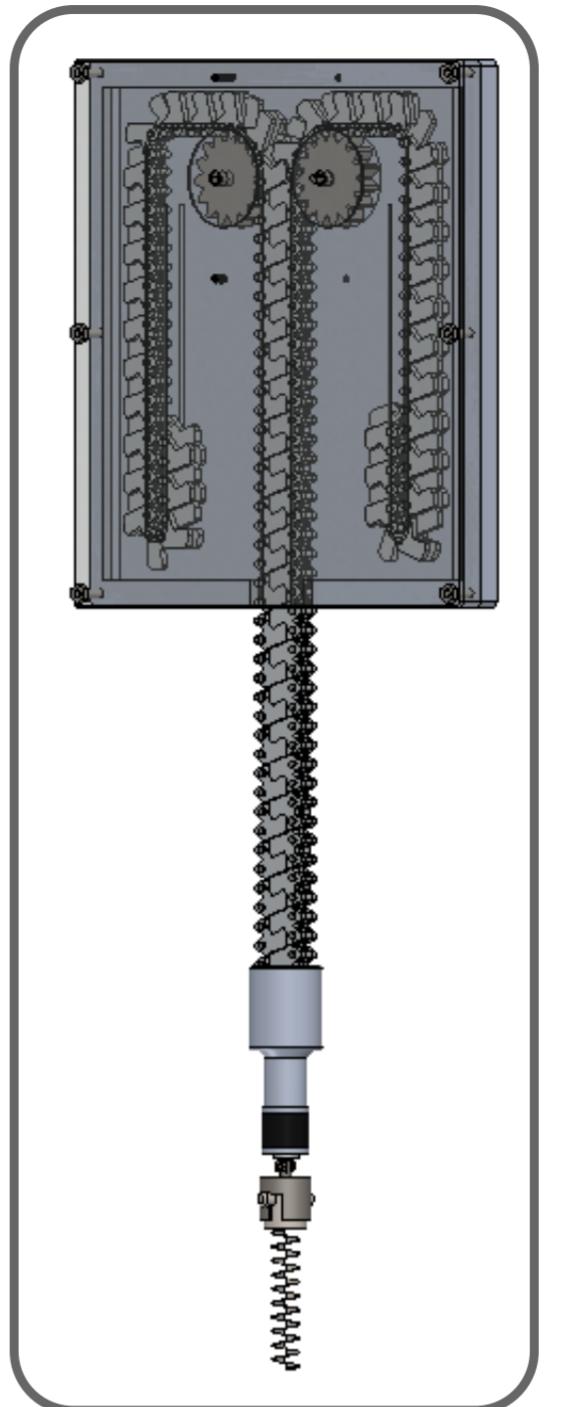
**Pipe Inspection Bot**



**Internal Single Stage Planetary Actuator**



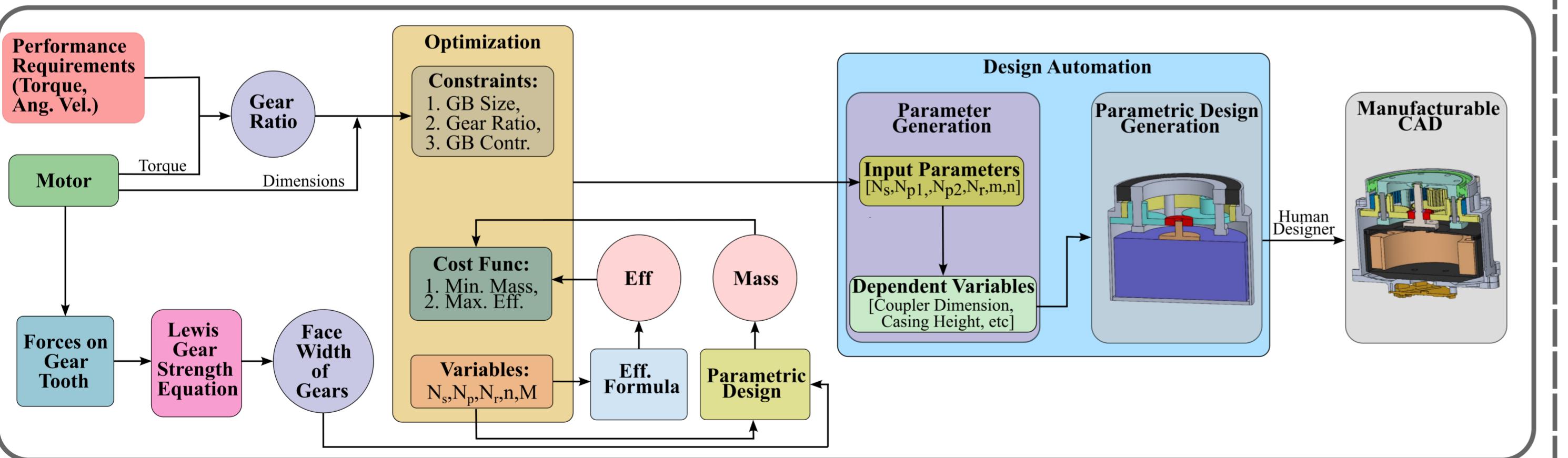
**Compound Planetary Actuator**



**Retractable Auger Mechanism for a Lunar Rover**



**Aries Vitalis - Mars Rover Prototype**



**Methodology Flowchart**

# Gearbox Optimization for QDD Actuators



**TPU Deformable Wheel**



**5 Dof Carbon Fibre Arm**

# Robocon Projects