DEPARTMENT OF MECHANICAL ENGINEERING

Motivation, Goal, Impact

Motivation

- Saves time making cuts more quickly
- Increases efficiency and precision
- Improves ease of use and reduces strain on user
- Cleaner cuts with less tear

Goal

• Create a fully automated coping saw

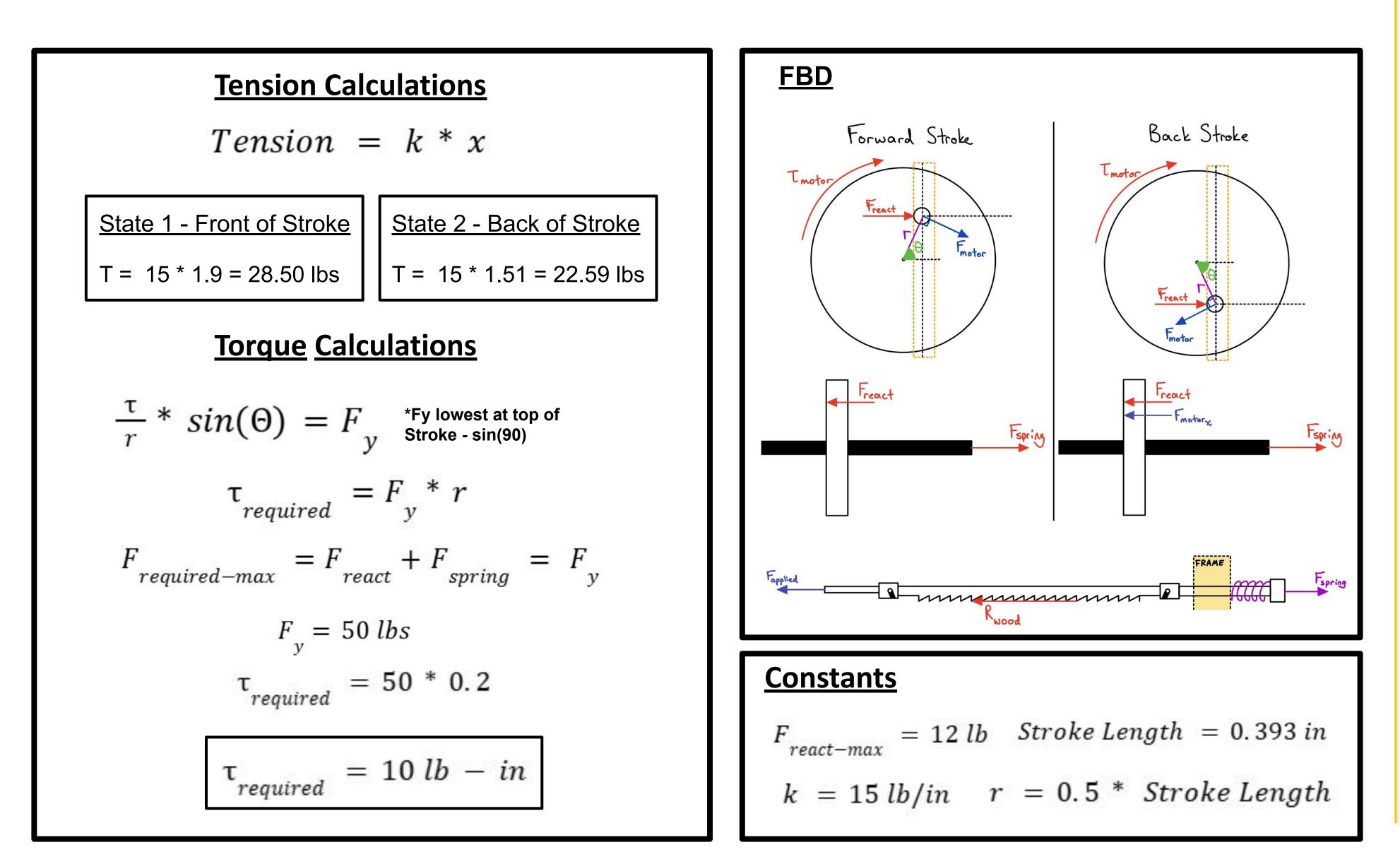
Impact

• Allows contractors to complete jobs at a faster rate and for a cheaper price

Requirements

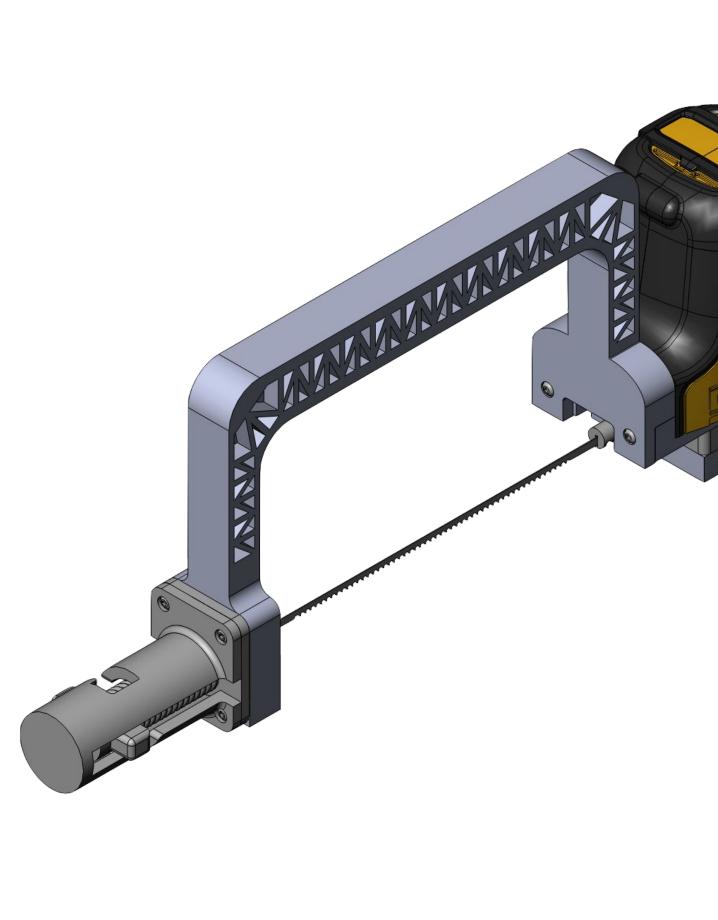
- 20V battery)
- 3. Center of gravity close to wrist
- Short stroke length Low vibrations 5.
- 4.

Design Calculations & Decisions



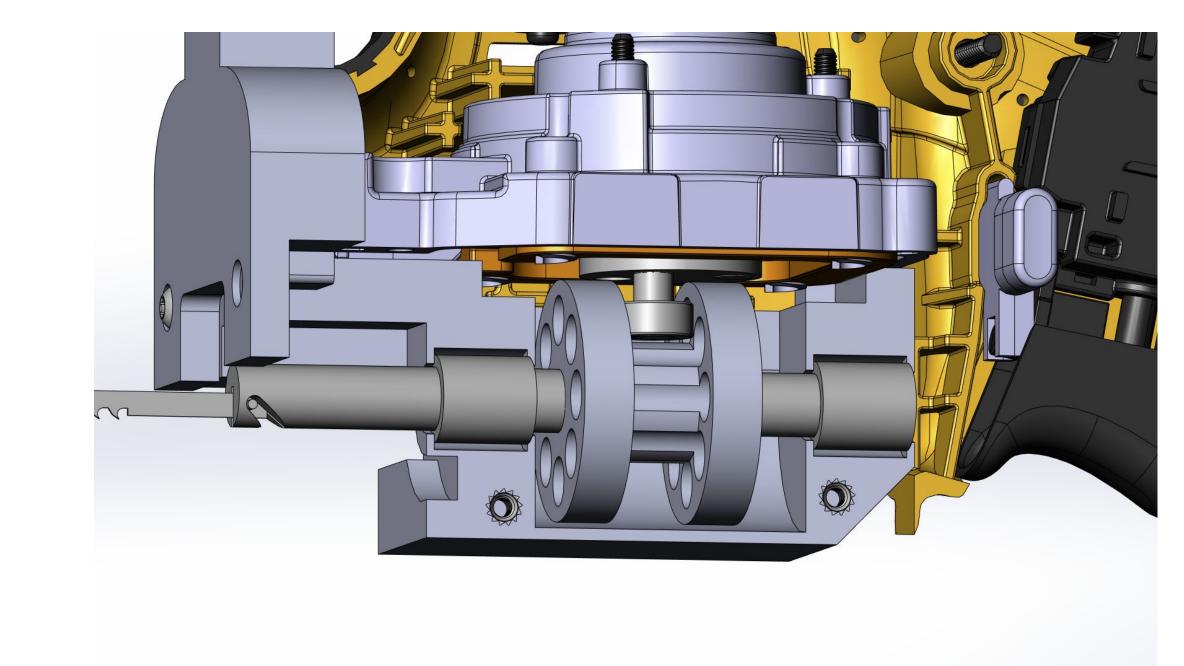
Coping Saw-lutions Powered Coping Saw William Bauer, Andrew Buchko, Sam Cassell, Logan Gallant, Madeline Keffer, Michael Weiss

Customer Requirements Easily exchangeable blades • Standard blade compatibility 2. Battery powered (DeWalt









Prototype & Test Results

