



SPARTATRONIKS

TEAM 3512 - CHARYBDIS



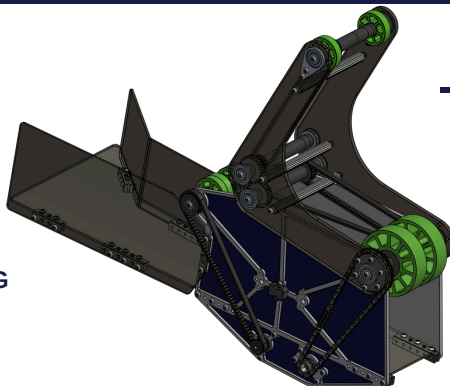
ELEVATOR

- INTERNALLY BELTED 3 STAGE CONTINUOUS ELEVATOR
- POWERED BY TWO KRAKENS GEARED 11:50
- 72 INCHES OF TRAVEL ALLOWS SCORING ON ALL REEF LEVELS



CORAL INTAKE

- INTEGRATED CORAL AND ALGAE MANIPULATOR
- MODULAR DESIGN MOUNTS TO CARRIAGE WITH 5 STANDOFFS FOR REPLACEMENT
- BEAM BRAKE FOR DETECTING CORAL
- ALGAE ARM PIVOT POWERED BY KRAKEN WITH 5:1 MAXPLANETARY
- 2" AND 4" COMPLIANT WHEELS POWERED BY KRAKEN



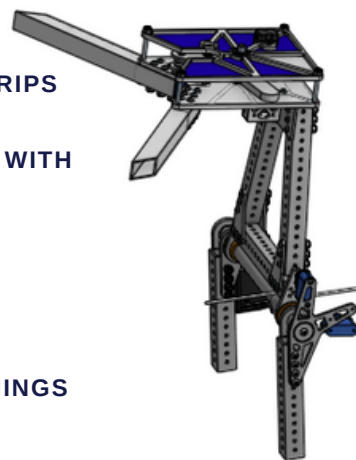
ALGAE INTAKE

- CHASIS MOUNTED FLOOR ALGAE INTAKE
- MAXSPLINE PIVOT POWERED BY KRAKEN GEARED WITH 3:1 MAXPLANETARY
- 2" POLYCARBONATE DEAD AXLE WRAPPED WITH SILICONE GRIP TAPE
- REDUX ROBOTICS MAXSPLINE ENCODER ON PIVOT



DEEP CLIMBER

- SPRING LOADED LATCH MECHANISM GRIPS CAGE
- WINCH POWERED BY KRAKEN GEARED WITH 125:1 MAXPLANETARY LIFTS ROBOT
- BEAM BREAK TRIGGERS LOCKING AND PULLDOWN
- TORSION SPRING FOR CLIMBER DEPLOYMENT
- PIVOTS ON 7/8" DEAD AXLE WITH BUSHINGS



2025 REEFSCAPE
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