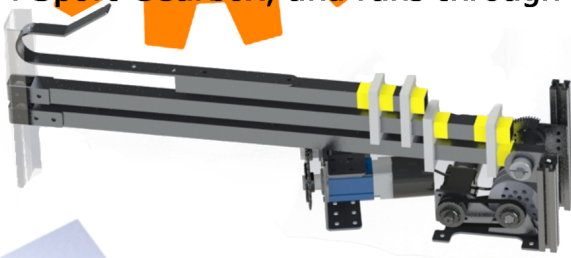


Krypton Cougars

Presents: ZESTY

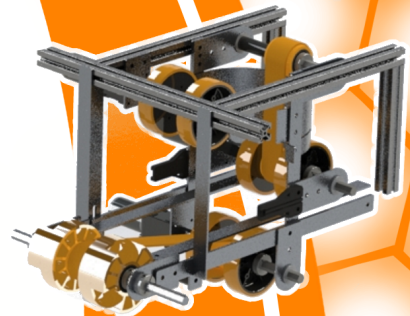
Climber

- Aluminum hook with polycarbonate spring allows easy placement
- Winch utilizes a NEO Motor with a durable & powerful CIM Sport Gearbox, and runs through the robot's center of mass



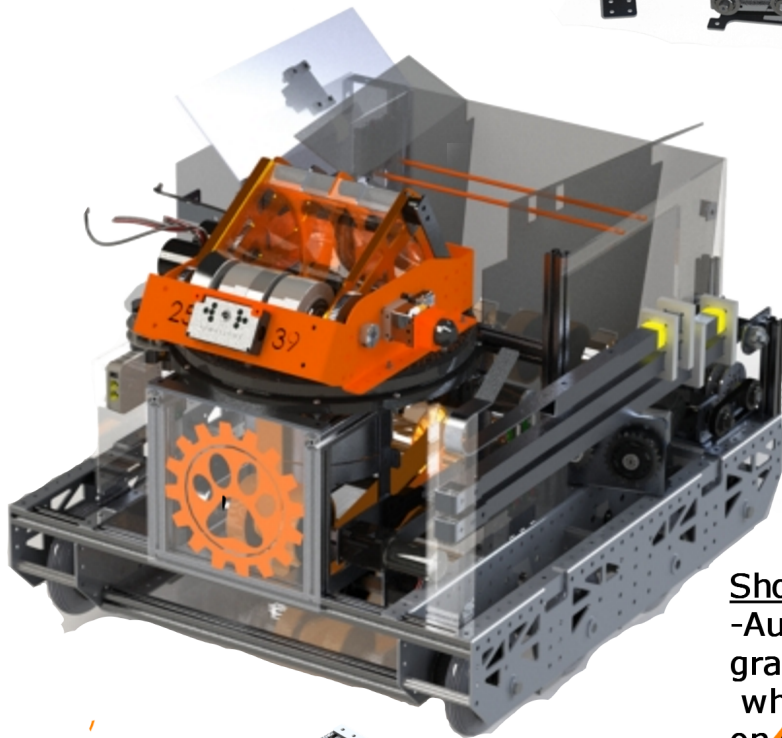
Hopper & Intake

- Compliant wheels with cuts allows quick intake of power cells and avoids the struggle of getting the power cells stuck together.



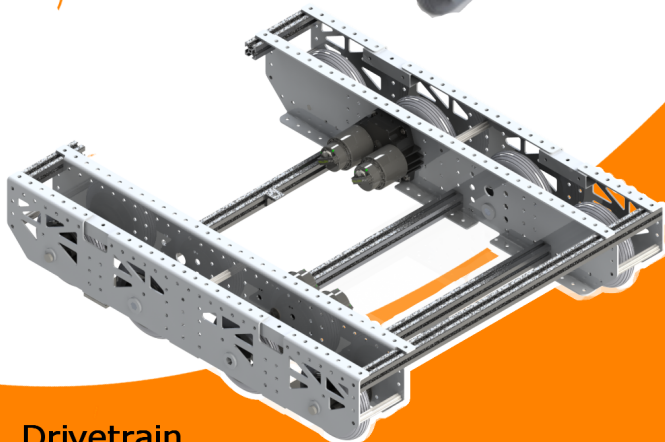
Track

- Transports power cells from hopper & intake to shooter
- Chambers and stores balls successfully with the use of beam break sensors.
- Polycord belts create a strong grip that moves power cells efficiently.



Shooter

- Automated shooter assembly grants ability to score accurately while allowing drivers to focus on other aspects of the field.
- Armabot Turret 240 with a custom articulating hood offers enhanced shooting capabilities
- 2 NEO Shooter with steel, milled flywheels provides power to rapidly shoot power cells.
- REV Robotics Through-Bore-Encoder allows accurate hood adjustments for precision shots



Drivetrain

- 8 Andymark 6" pneumatic tires
- 4 Falcon 500's powers the robot over the rendezvous point obstacles.
- Drivetrain includes adjustable axle drops that utilize custom parts known as "slugs" in racing



frc2539



@FIRSTTeam2539

www.team2539.com