

More Info



## Robot Details

### General Specifications

Weight	90 lbs
Full Height	54"
Width	25"
Length	29"
Drive Train	SDS MK4i L2
Speed	16 ft/sec

### Robot Type

Fast cycler, that can pick and place on all 3 heights for cones and cubes. Can balance on charging station in autonomous and endgame

## Intake

- Roller intake with Silicon covered carbon fiber tubes
- Wrist that can articulate 300 degrees
- Ground Intake for Cones and Cubes in both directions
- Pick up from human player station

## Arm

- 2 stage cascade rigged telescoping arm powered by 1 Falcon 10:1
- Can reach 4 feet out and 6 ft 6" up
- Driven by a worm drive gearbox 186:1

## Vision

- 2 Limelights
- Read April tags
- Cone and Cube tracking

## Autonomous

- 2 Game piece on both sides
- 1 piece center
- Option to dock and balance with IMU for all autos
- Custom Path generation
- Uses cone and cube detection