



# Team 358



## Hauppauge Robotic Eagles

### General

- Broad front chassis orientation
- Top ball hopper-preloaded, human player loaded, or floor balls
- Dumper mechanism that spits balls out rapidly
- Ball Pickup from floor/conveyor to top hopper

### Drive Train

- Forklift-style tri-wheel drive; two front wheels+one rear double wheeled swerve unit
- (3) AndyMark GEN 500 planetary transmissions
- (3) CIM drive motors; (2) globe swerve motors
- Pot feedback control on swerve steering



### Other

- Steering wheel or interchangeable dual joystick driver controls
- Encoders on follower wheels trailing all three drive wheels to adjust for slippage
- Up to 10 autonomous modes

### SBPLI Long Island Regional

- J&J Gracious Professionalism