

# Persephone

*FIRST Team 245's 2013 Robot*



## Drivetrain

- Square base with six 6" high-traction wheels
- Four CIM motors with AndyMark two-speed transmissions

## Shooter

- CIM motor 8" wheel direct drive
- Camera mounted on chassis to align shooter and calculate distance for RPM settings
- Wheel-speed feedback provided by photo eye sensor
- Max range of 50 feet
- Two green circular LED array to illuminate reflective tape
- Adjustable angle shooter



## Climbing

- Two traveling hooks controlled by a winch using two Mini-CIMS at twenty to one gear ratio
- Two fixed hooks

## Disc Acquisition

- Human feeding from low slot
- Working on disc acquisition from the floor

Learn more about Persephone and AdamBots Team 245 at [AdamBots.com](http://AdamBots.com)!