



COUGARTECH
FIRST TEAM 2228



2022

Our Robot: Talos

Robot Specifications:

- o Size: $27\frac{1}{2}$ " x $32\frac{3}{8}$ " x $44\frac{1}{2}$ "
- o Weight: 120 lbs
- o Four Falcon 500 Motors for Drive
- o Mecanum Drive
- o Raspberry Pi Camera Processing
- o Front Acquirer & Back Shooter

Teleoperations:

1. Shoot up to 10 cargo
2. Shoot in Both the Upper & Lower Hub
3. Collect Cargo Off of the Ground
4. Hold 2 Pieces of Cargo

Autonomous:

1. Two Cargo Auto
2. Move off of Tarmac
3. Acquire 1 - 2 Cargo
4. Shoot to Upper or Lower Hub

End Game:

1. Drive Under 4 Bar
2. Climb to 6 Bar
3. Transfer to 10 Bar



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