



10 FPS drive speed

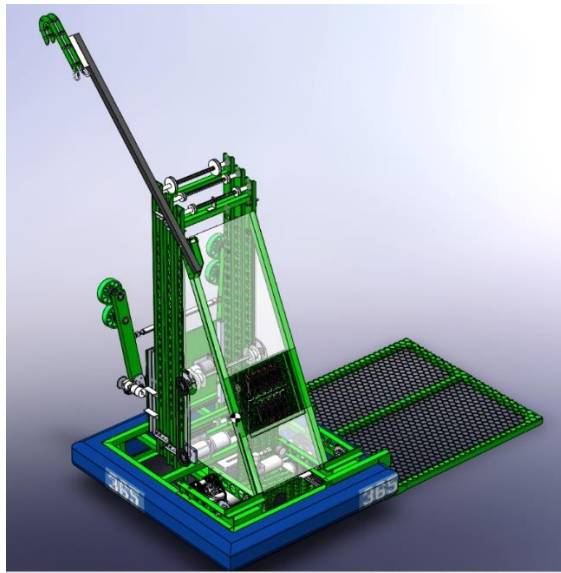
Miracle Workerz



TO: FIRST ROBOTICS COMPETITION COMPETITORS
FROM: TEAM #365, MOE & The MIRACLE WORKERZ

ROBOT DESCRIPTION (MOErio – our 2018 Miracle Of Engineering)

MOErio is a bright green and black robot designed to grab and place power cubes on the switch and the scale, climb alone or lift a partner, and complement other teams with multiple autonomous routines.



FEATURES

1. 10 FPS drive speed
2. The three stage Elevator can raise a Cube to 101” off the ground, allowing MOErio to place a Cube three high even with the Scale in the highest position.
3. Combination pneumatic and roller Gripper provides the ability to shoot the Cube out or simply drop it for more precise placement
4. Winch based climbing system can hook onto the bar in various locations. Four (4) CIM motors on the winch provide plenty of power for raising MOErio and a friend in under 5 seconds. The 33” x 32” platform is flat and at ground level which makes it easy for a robot to drive onto during the last few seconds of End Game.

HOW WE CAN ENHANCE YOUR STRATEGY

- Multiple autonomous modes including switch, scale, and multiple power cube scoring.
- Ability to lift a partner during End Game means more Ranking points for the Alliance.
- Experienced and knowledgeable scouting team to bring you up-to-the-minute match info.
- Have great experience in qualification & elimination round strategy.

CONTACT INFORMATION

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