

ROLLING THUNDER TEAM 1511 PENFIELD, NY



2008 Robot Description

Hybrid Modes

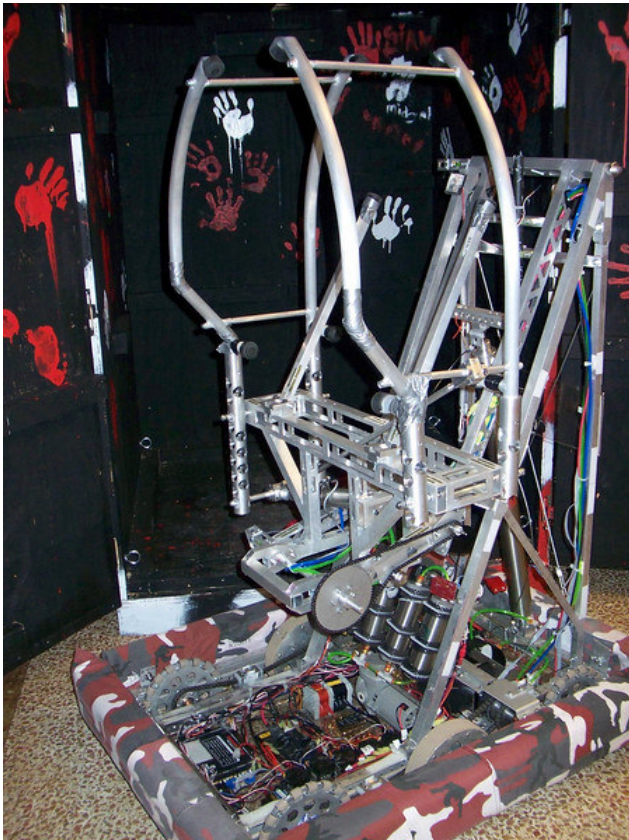
- Drive around entire track autonomously
- Robocoach input for collision avoidance
- Knock balls from any position, on both sides of the track.
- Run Defense, get in way
- Open Robocoach Drive Control



IR Box

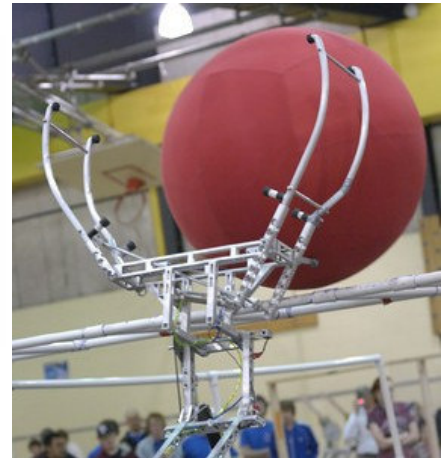


Drive Team



Manipulator/Arm

- Lift: Large Pneumatic Cylinder
- Van Door Driven Wrist
- Pneumatically Actuated Manipulator



Capabilities

- Very Fast Drive Train & Highly Maneuverable
- Remove ball by knocking underneath with wrist
- Herd and Possess with Manipulator
- Place and Hurdle using Manipulator Ramps
- Do not need to lower arm to go under overpass

Drive Train

- Tank steering with six wheel drive
- 16:1 Banebots Transmissions
- 2 Center IFI 8 inch Traction wheels
- 4 AM 8 inch OmniWheels
- High Torque & high speed
- Highly maneuverable
- 13.4 ft/sec

Major Accomplishments:

- 2008 Philly 3rd Seed, Imagery & Safety Awards
- 2008 FLR Engineering Inspiration & Quarterfinalists
- 2007 FLR Chairmans Award Winners !!
- 2006 Engineering Inspiration, 2005 Rookie All Star
- Sponsor & Mentor for 10 FLL Teams
- Sponsor of Rochester Rally & RahChaCha Ruckus

Finger Lakes Regional 3/6-3/8, Philadelphia Regional 3/27-3/29, Championships 4/17-4/19