

Rolling Thunder

Team 1511 Penfield, NY

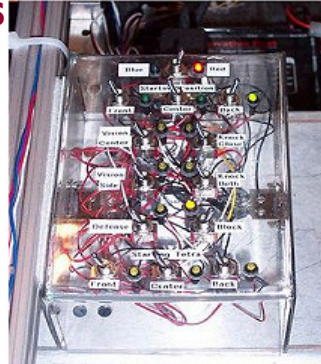


International Rookie All Stars

2005 Robot Description

Autonomous

- Knock hanging tetra
- Score starting tetra on back row
- Run Defense
- Default go to human



Autonomous mode box



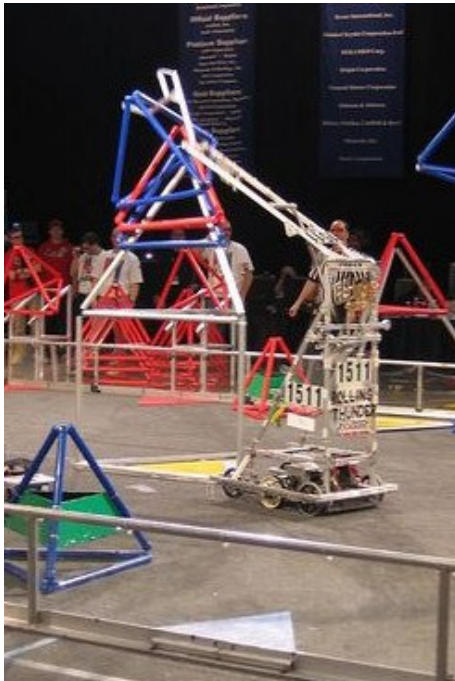
Drive Team & Pit Crew

Other possible autonomous

- Score vision tetra on the center
- Score vision tetra on the side
- Block the center goal

Arm

- Lead screw driven by van door motor
- Successfully lifts a tetra in under 5 seconds to max height



Capabilities

- Can cap up to 6 on the center goal
- Can lift more than two tetras at a time
- Can drive over goals
- Fast loaders and can pick up tetras extremely fast under 5 seconds to max height

Drive Train

- Tank steering with six wheel drive
- 2 custom center wheels lowered
- Kit Gearbox geared at 12.8 ft/sec
- Software low speed
- High Torque in high speed to push

2005 Accomplishments:

- **International Rookie All Stars!!!**
- **Greater Toronto Regional Champions!!!**
- **Rookie Inspiration & Team Spirit Awards** at GTR
- **Rookie All Star Award** winners at FLRC
- **Seeded 9th and placed 7th at FLRC**
- **Highest Rookie Seed** at Buckeye Regional
- **Seeded 7th and placed 3rd at Buckeye**
- Scored 7 tetras in one match
- Consistently scored at least 5 tetras