

## OUR ROBOT

- Up the ramp in 4.2 seconds in autonomous mode
- Hits the stacks twice in autonomous mode
- Multiple autonomous modes capable for every situation
- Double drive train for normal tank drive and "Crab Mode"
- Can stack up to 3 high
- Can go under the bar

## INSIDE THE TEAM

- This year we are looking better than ever!
- Building off last year's incredible performance.
- students and advisors with years of experience,
- FESTO engineers,
- strong parental support,
- additional community resources have been provided
- Featured in several newspapers including the New York Times
- Featured on FOX News



## **HAUPPAUGE EAGLE ROBOTICS**

Corporate sponsor: FESTO

WHERE GRACIOUS  
PROFESSIONALISM  
IS ONLY THE BEGINNING

## TEAM HISTORY

### 2003 Stack Attack

-Ranked 1<sup>st</sup> in the nation for longest winning streak (18,2)

-New Hampshire Regional

-Xerox Creativity award

-Seeded 3<sup>rd</sup>

-Finished 3<sup>rd</sup>

-Long Island Regional

-Delphi Driving Tomorrow's

Technology Award

-Sportsmanship Award

-Seeded 1<sup>st</sup>, undefeated

### 2002 Zone Zeal

-The Long Island Regional

-Best play award

-GM Quality award

-4<sup>th</sup> place finish

-The New York regional

-1<sup>st</sup> place Regional champion

-The Nationals at Orlando, Florida

-Ranked in the top 100

### 2001 Diabolical Dynamics

-The Long Island Regional

-4<sup>th</sup> place finish

-The nationals at Orlando, Florida

-Ranked in top 100

### 2000 Co-Operational FIRST

-The Long Island Regional

-Rookie of the year

-Motorola quality award

-Seeded 2<sup>nd</sup>

-The nationals at Orlando, Florida

-Ranked in the top 100



# **2003 STACK ATTACK**

**MATCH TIME: 2 MINUTES AND 10 SECONDS**

**FIELD SIZE: 54FT. BY 24FT.**

**TEAMS: 2 HUMAN, 2 ROBOTS VS. 2 HUMAN, 2 ROBOTS**

## **STANDARD GAME**

**FEATURES:** The students build their robots to solve a unique problem that is different every year. The teams use a common parts list, must follow common competition rules, and all have a six-week time period to design, develop, and build the robot. At regional competitions, teams are scored on the robot's performance and employment strategy-which may involve cooperating with opposing teams in order to gain maximum points.



## **THIS YEAR'S GAME**

### **PHASE 1)**

Human players will face off in the beginning ten seconds on their side of the field.

### **PHASE 2)**

The robots will storm the field for 15 seconds in autonomous mode

### **PHASE 3)**

The robots, now under the control of the human drivers have 1 minute and 45 seconds to stack and retrieve as many containers as they can keep on their side of the field

### **PHASE 4)**

Get your robot on top of the ramp for an additional 25 points before time runs out.

## **FIRST Robotics Mission Statement:**

The FIRST Competition is a life changing, career modeling experience, and a lot of fun.

## **Eagles Robotics Mission Statement:**

All that is required is the passion and commitment necessary to begin a rewarding educational adventure.

1. Gracious Professionalism.
2. Working as a group to achieve our goals.
3. To be respected AS WELL AS RESPECT OTHER TEAMS.
4. Use FIRST to pursue a greater understanding of life and the real world.
5. Have fun along the way.