

THE INTERCEPTOR

CLEARING THE WAY FOR A SAFER TOMORROW

THE IDEA

- SHOPS/CONSTRUCTION SITES ARE LITTERED WITH NAILS, BOLTS, ETC.
- HEALTH AND SAFETY HAZARD
- LOST PRODUCT
- LOSS OF PRODUCTIVITY

HOW DOES IT WORK?

- UTILIZES SIX LEGS TO TRAVERSE THE DIVERSE LANDSCAPES OF SHOPS/CONSTRUCTION SITES
- CONTAINS AN ELECTROMAGNET TO DRAW NAILS, BOLTS, ETC. FROM THE GROUND
- PROGRAM A DESIGNATED DROP-OFF POINT FOR DISBURSEMENT OF GATHERED MATERIAL
 - CAN BE PROGRAMMED TO RETURN TO A CHARGING BASE UPON JOB COMPLETION

WHY THIS?

THE INTERCEPTOR

- CAN TRAVERSE UNLEVEL TERRAIN
- ONLY PICKS UP METAL OBJECTS
- CREATES A SAFER ENVIRONMENT
- LOOKS COOLER

ROOMBA

- CAN ONLY RUN ON FLAT SURFACES
 - NO STAIRS OR ROCKS FOR THIS GUY
- WOULD FILL WITH DIRT IMMEDIATELY
- SO BAD AT ITS JOB, HAS TO MOONLIGHT AS A DJ

COST ANALYSIS

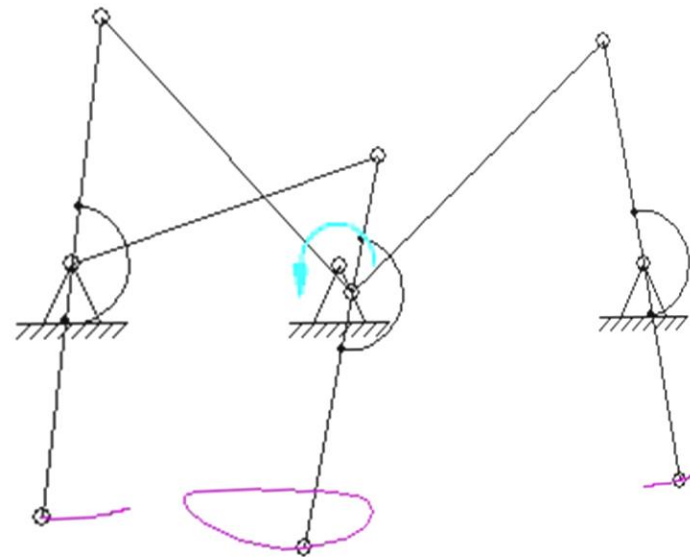
- MODEL COST
 - Balsa Wood \$22.75
 - Motors \$11.95
 - Glue \$12.50
 - Joints \$5.50
 - Arduino \$7.25
- TOTAL = \$59.95
- PROTOTYPE COST
 - BODY
 - Titanium \$170
 - LEGS
 - Carbon Fiber \$62
 - Joints \$10
 - Motors \$97
 - Arduino \$20
- TOTAL PRODUCTION COST \$359
- EXPECTED PROFIT PER UNIT \$141
- COST TO CONSUMER \$500

THE MOVEMENT

SIX LEGS PROVIDE A STABLE
PLATFORM

MOVEMENT IS FLUID

MINIMAL TORQUE REQUIRED TO
MOVE CRANK



QUESTIONS?