Sam Huggins

Unified Robotics II

Developer Documentation

* Environment Setup
  + Robot base 12 inches from the center of the paper
  + Make sure the area has enough lighting for the objects to be seen
  + Place counter weight on the detachable base of robot
  + Position camera directly over center of the paper
* Startup Procedure
  + Place shapes on paper
  + Power on the power supply to the robot
  + Press the start button in the Visual Studio program
* Shutdown Procedure
  + Wait for the robot to be in home position
  + Close the Windows Forms Application in Visual Studio
  + Turn off the power supply
* Warnings/Known Issues
  + When the robot is powered on, it will swing rapidly to the home position. Make sure the area is clear when powering on the robot.
  + Sometimes the robot will not drop a shape. If this happens, place a piece of Scotch tape over the magnet to reduce its magnetism slightly