

Advanced Manufacturing and Automation Application Case in Cazenovia High School

OVERVIEW



Organization Name: Cazenovia High School

Project Date: 05-Jun-2018

Country: United States

Category: K12 STEM Education Program

Product: 12 Dobot Magicians & 2 Conveyors & 2 Vision Systems & 2 Slide Bases

Industry: Education

Use Cases:

- Pick and place
- Palletization
- Use of end effectors
- Robotic programming
- Robotic Inputs & Robotic Outputs
- Vision System integration & Slide base integration
- Factory simulation

Background

Cazenovia High School has been teaching Computer Integrated Manufacturing since 1999 and likes to stay ahead of the curve on manufacturing, robotic, and automation techniques.

Results

Switched over to using Dobots in the 2017-18 school year. Students were able to learn more advanced robotics, and programming faster than ever before. We were also able to teach much more industrial concepts than ever before as well. The accuracy and build quality of the robots make them much more robust for classroom use by high school students, and the software programming is intuitive and is very easy to use.

Teaching high school students advanced manufacturing and automation techniques, here're some pics to show the details:







