

# User Story

As a manufacturing engineer, I want a robot that can pick and place objects from a target area onto a conveyor:

- The robot can pick and place the objects according to color
- It uses computer vision to differentiate between yellow, blue and green objects
- The system should not start until the user presses the start button.
- The robot can pick the objects in an arbitrary order
- The robot can pick the objects in a random order
- The user can specify which object/s to pick
- The robot does not move if there are no objects on the field
- It shows a UI where the user can choose which objects to pick up
- The system activates the conveyor to move the objects that have been placed