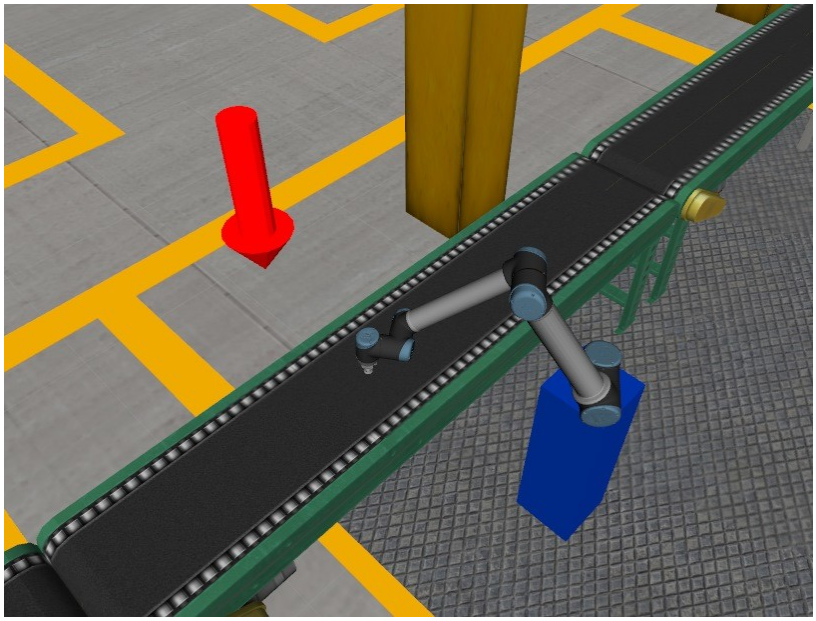
Link : **https://learning.edx.org/course/course-v1:DelftX+ROS1x+1T2020/block-v1:DelftX+ROS1x+1T2020+type@sequential+block@88e7f356eebc4a97ae3161eb3459fc0e/block-v1:DelftX+ROS1x+1T2020+type@vertical+block@7e8fc9372aad42ec8daadd71f4d975aa**

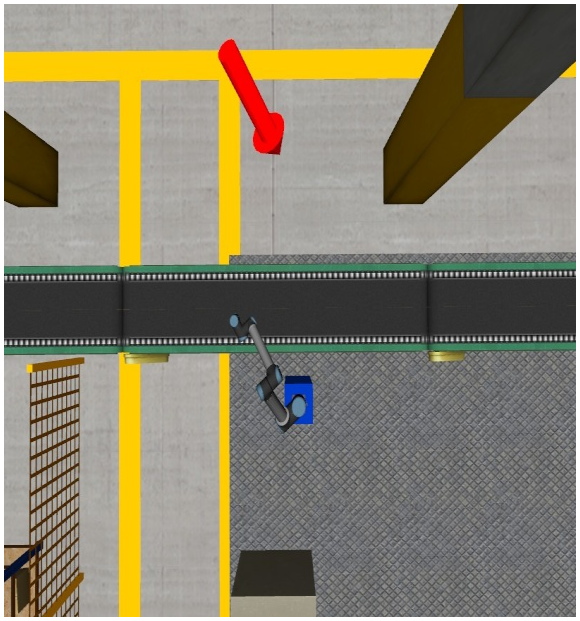
Overview

In this assignment you are going to **add** a new model to the factory: one of the bins that we already used and saw in the first few videos (*Changing Worlds*).

The second bin should be placed on the opposite side of the conveyor, right in front of Robot 1.

Refer to the following illustrations. The red arrow indicates where you should place the bin.





Solution requirements:

For this assignment you will need to *edit* the `hrwros_week2` package that has been provided to you as part of the Week 2 download (see *Weekly Contents*). The only file that needs to be changed is `hrwros_assignment1.xacro` in `hrwros_week2/urdf`.

You will not be asked to upload the `hrwros_assignment1.xacro` file, instead, you must make a screenshot in RViz **showing the bin in the correct location**.

You can use the `visualize_hrwros_assignment1.launch` file in the `hrwros_week2` package to start RViz while you're editing the XACRO file.

Correct implementations will show:

1. an extra bin in the factory
2. the bin must be **on** the floor, **not** in the floor or slightly above it
3. located opposite Robot 1 (ie: on the other side of the conveyor, as indicated by the red arrows in the two illustrations above)
4. not touching anything other than the floor

Warning: This assignment contains peer- and expert-feedback steps provided for verified learners. As an audit learner, you are free to try this on your own, but you won't be able to get feedback from the course team. If you would like to work on the assignment as an audit learner, the full assignment is the text above.