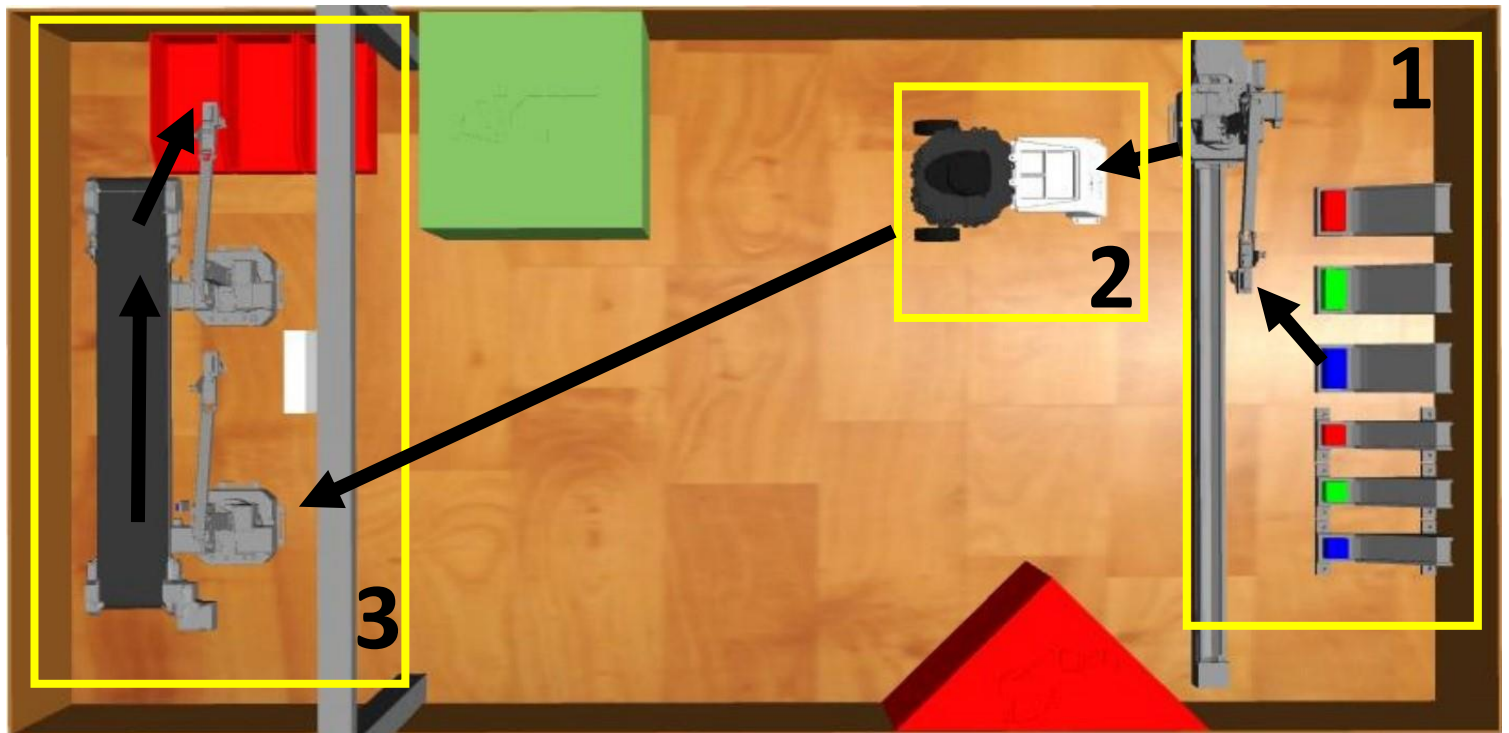


Material flow description



New order with specific number of objects:

1. Box Get Object from storage

- Turtlebot moves to calibration point / calibrates its position
- Uarm1 moves in front of the right storage
- Uarm1 gets object and moves back in front of turtlebot
- Uarm1 puts Object on the turtlebot into the foreseen boxes
- If there are more Objects left the order and turtlebot isn't full yet: repeat from step b)

2. Box Move Object to the destination area

- Turtlebot moves itself to the Uarm2
- Turtlebot positions itself in front of Uarm2 so Uarm2 can reach the objects

3. Box Put Object in the storage

- Uarm2 takes object from turtlebot
- Uarm2 puts the object on the conveyor
- Conveyor moves the object to the other side so that Uarm3 can reach the object
- Uarm3 takes object from conveyor and puts it in the right storage
- If there are more objects on the turtlebot: repeat from step a)

Material Flow:

