

Trial Description

- **Task:** Build 1 single shipment from 1 single order.
 - The conveyor belt is used.
 - There are faulty products in the environment.
 - A red pulley must be flipped.
 - Grippers are faulty and will drop products over AGV1.
- **Orders:** This trial consists of 1 order (order_0) with 1 shipment (shipment_0).
 - shipment_0 consists of 4 products in total:

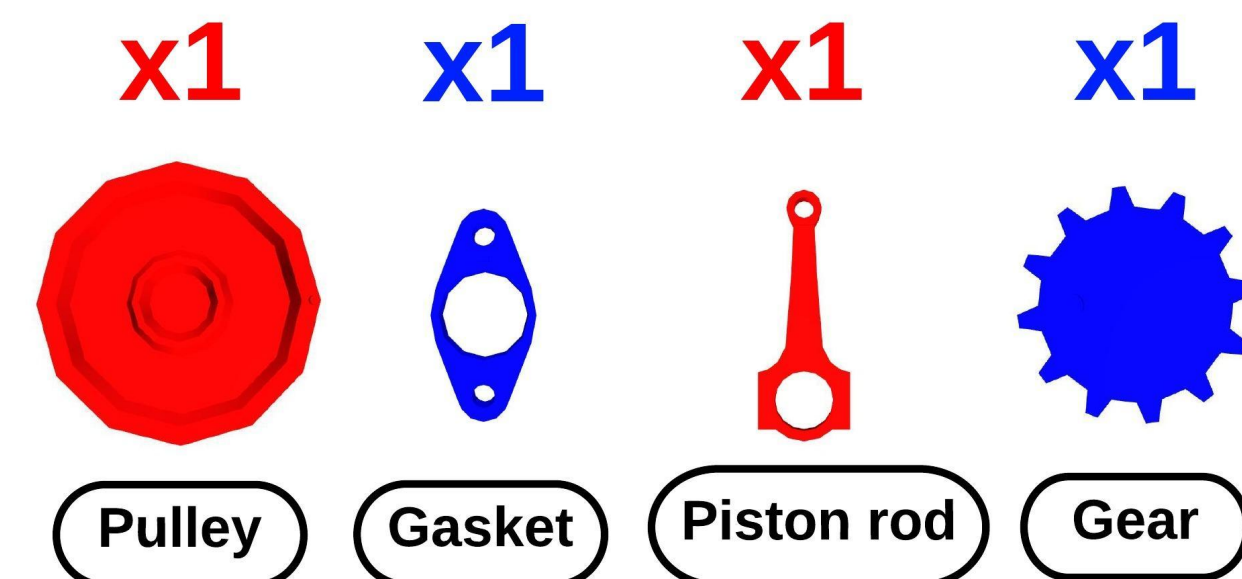


Fig. 1: Products used in order_0.

- **Maximum completion score:** 16 pts.
- **Agility challenges:**
 - Faulty products.
 - Flipped products.
 - Faulty gripper: Some products will drop on AGV1 and need to be re-positioned to score points for correct product pose.
- **Product vessels:** bin \times 1, shelf \times 2, conveyor belt is used.
- **Shipment deliveries:**
 - order_0::shipment_0: AGV1.
- **Time limit:** 500 sim seconds.

Initial Product Placement

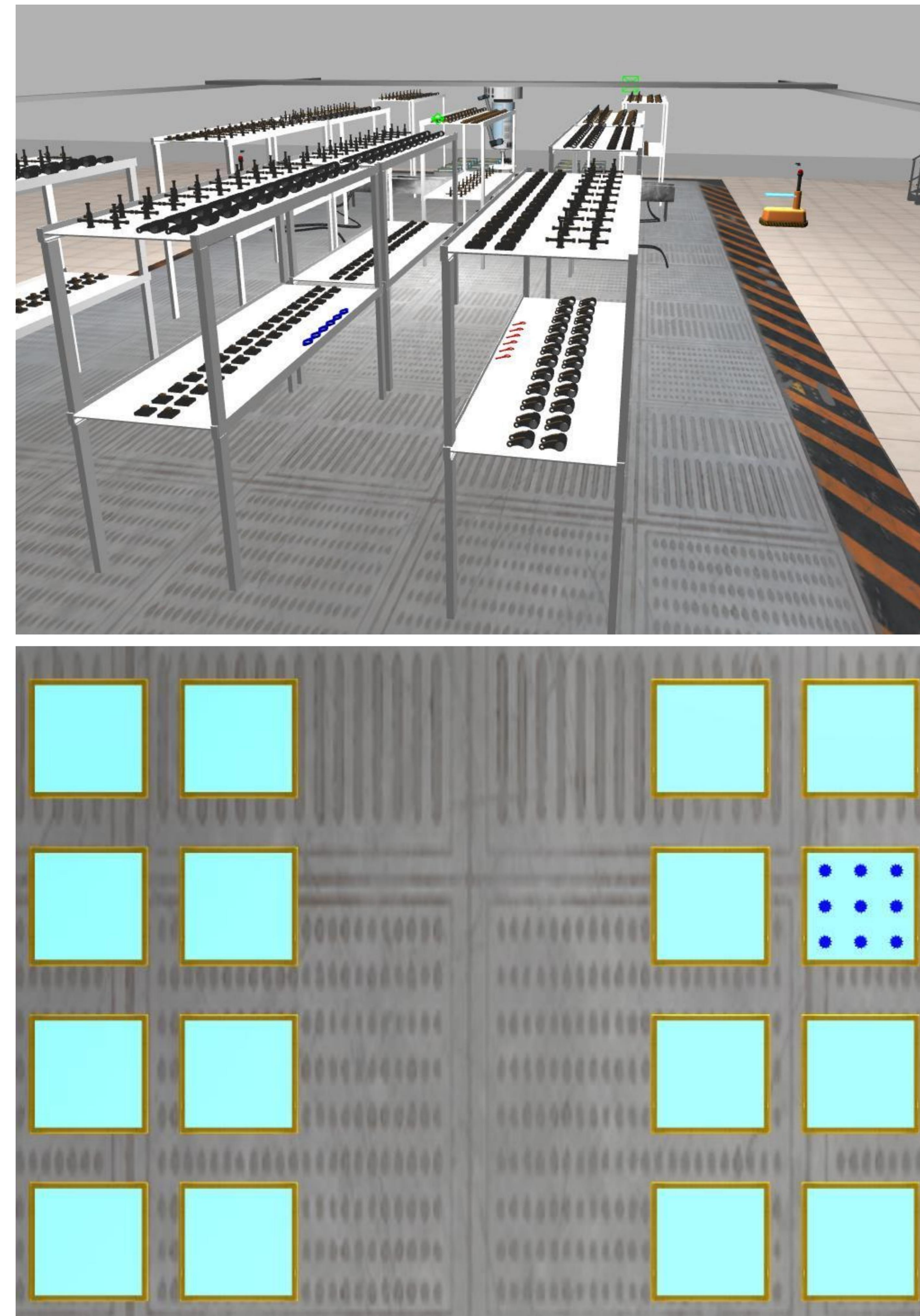


Fig. 2: Initial product placements.

- Conveyor belt spawns a total of 15 red pulleys.

Agility Challenges

- **Faulty products:** There are 3 faulty products in the environment.

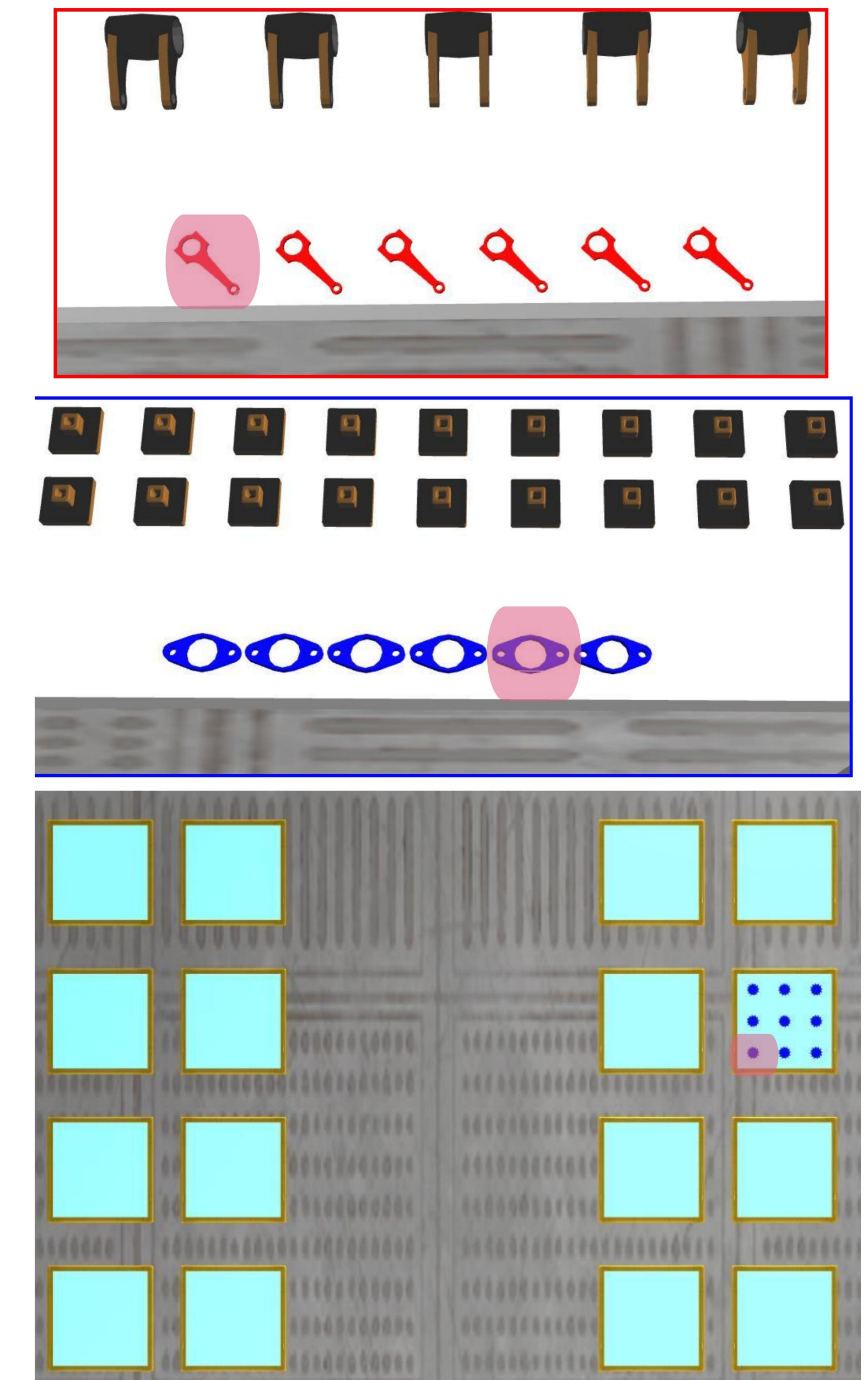


Fig. 3: Faulty products in the environment.

- **Flipped products:** A red pulley needs to be flipped for the shipment. Figure 4 highlights the flipped pulley.
- **Dropped products:** 1 blue gear and 1 blue gasket are expected to be dropped over AGV1.

Orders

