

Trial Description

- **Task:** Build **2** shipments from 1 single order, on any AGV.
 - The conveyor belt is used.
 - There are faulty products in the environment.
 - 1 blue pulley must be flipped in both shipments.
- **Orders:** This trial consists of 1 order (order_0) with two shipments (shipment_0 and shipment_1).
 - Both shipments consist of 4 products:

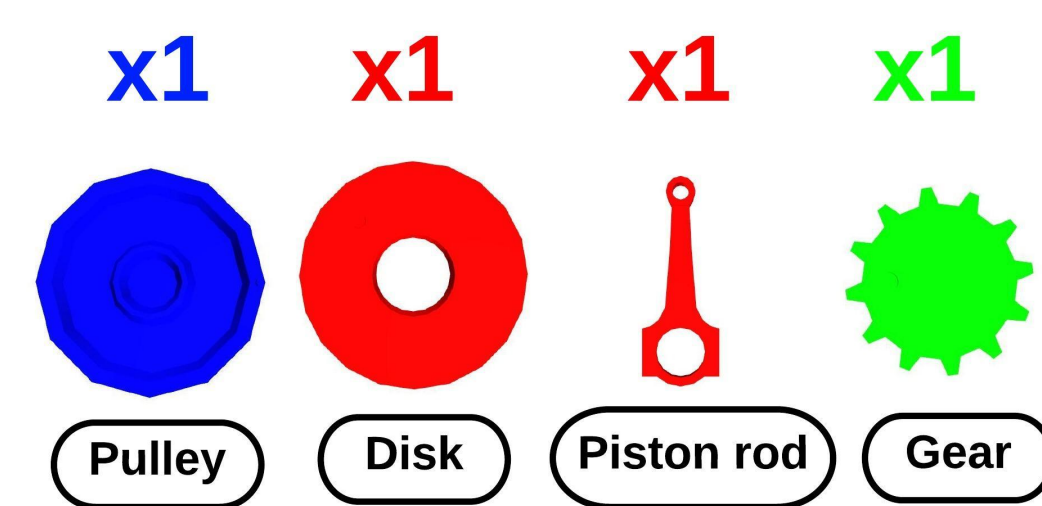


Fig. 1: Products used in order_0.

- **Maximum completion score:** 32 pts
- **Agility challenges:**
 - Faulty products.
 - Flipped products.
- **Product vessels:** bin \times 0, shelf \times 3, conveyor belt is used.
- **Shipment deliveries:**
 - order_0::shipment_0: AGV1 or AGV2.
 - order_0::shipment_1: AGV1 or AGV2.
- **Time limit:** 500 sim seconds.

Initial Product Placement

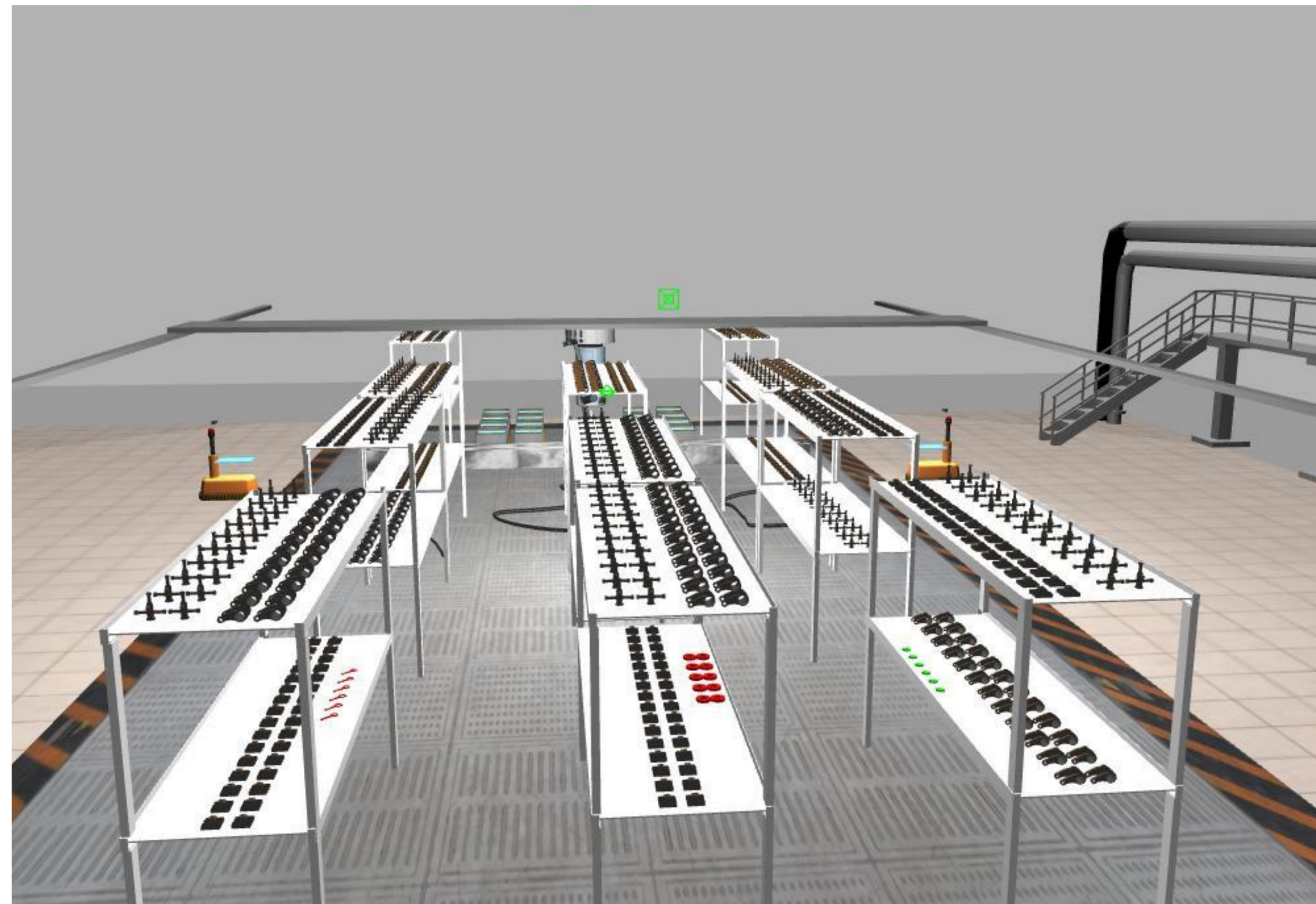


Fig. 2: Initial product placements.

- The conveyor belt will spawn a total of 15 blue pulleys.

Orders

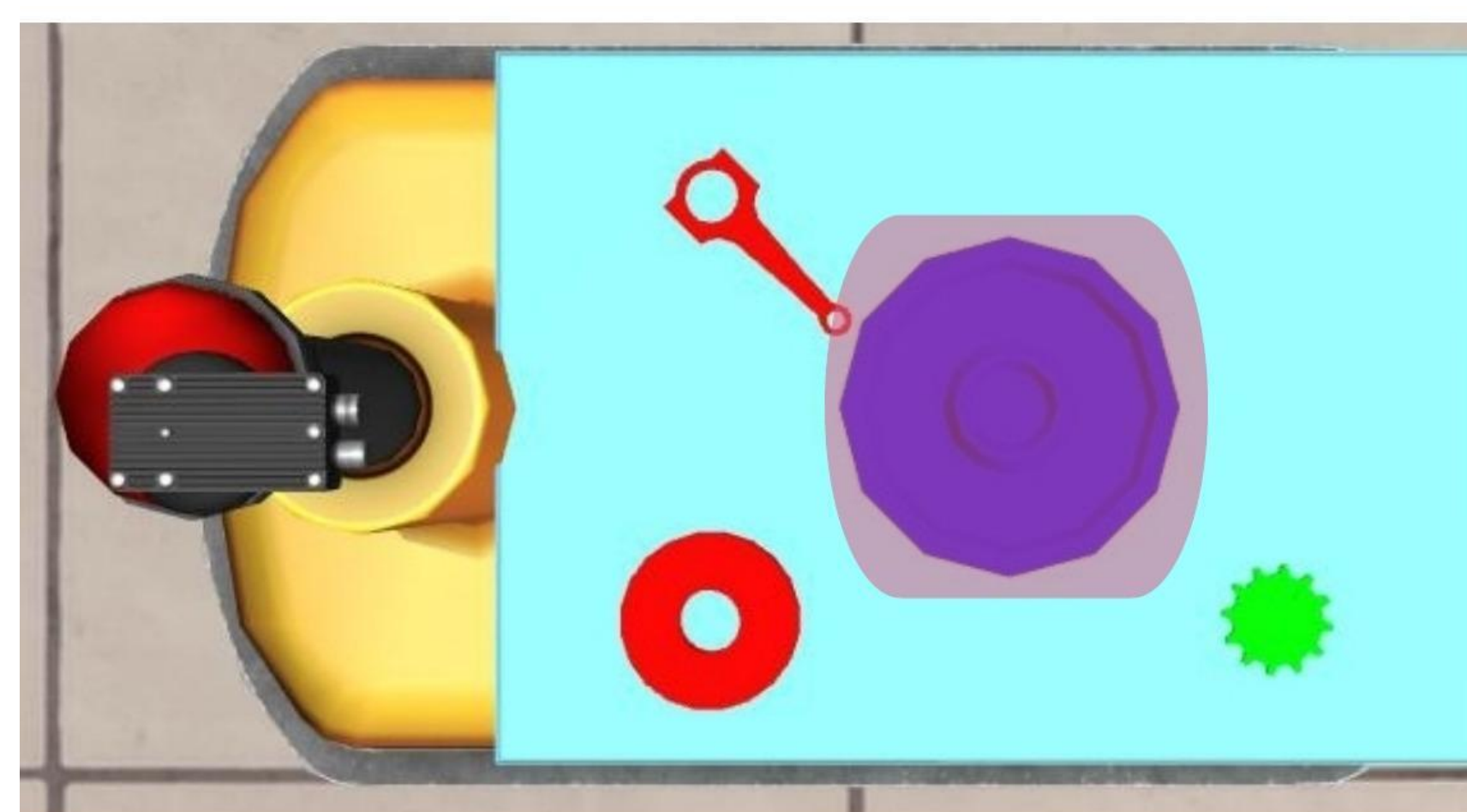


Fig. 3: Shipment configuration on AGV1.

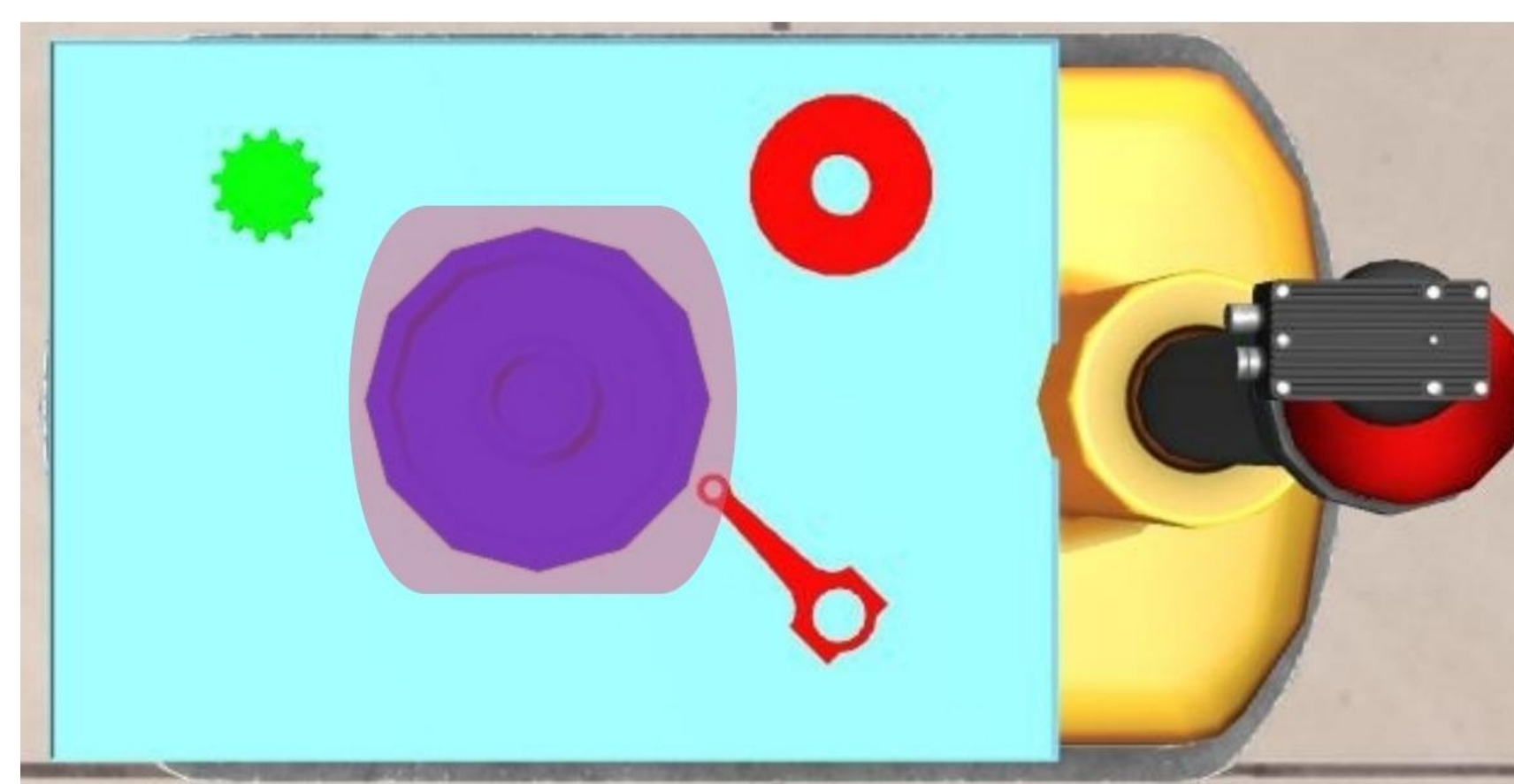


Fig. 4: Shipment configuration on AGV2.

Agility Challenges

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

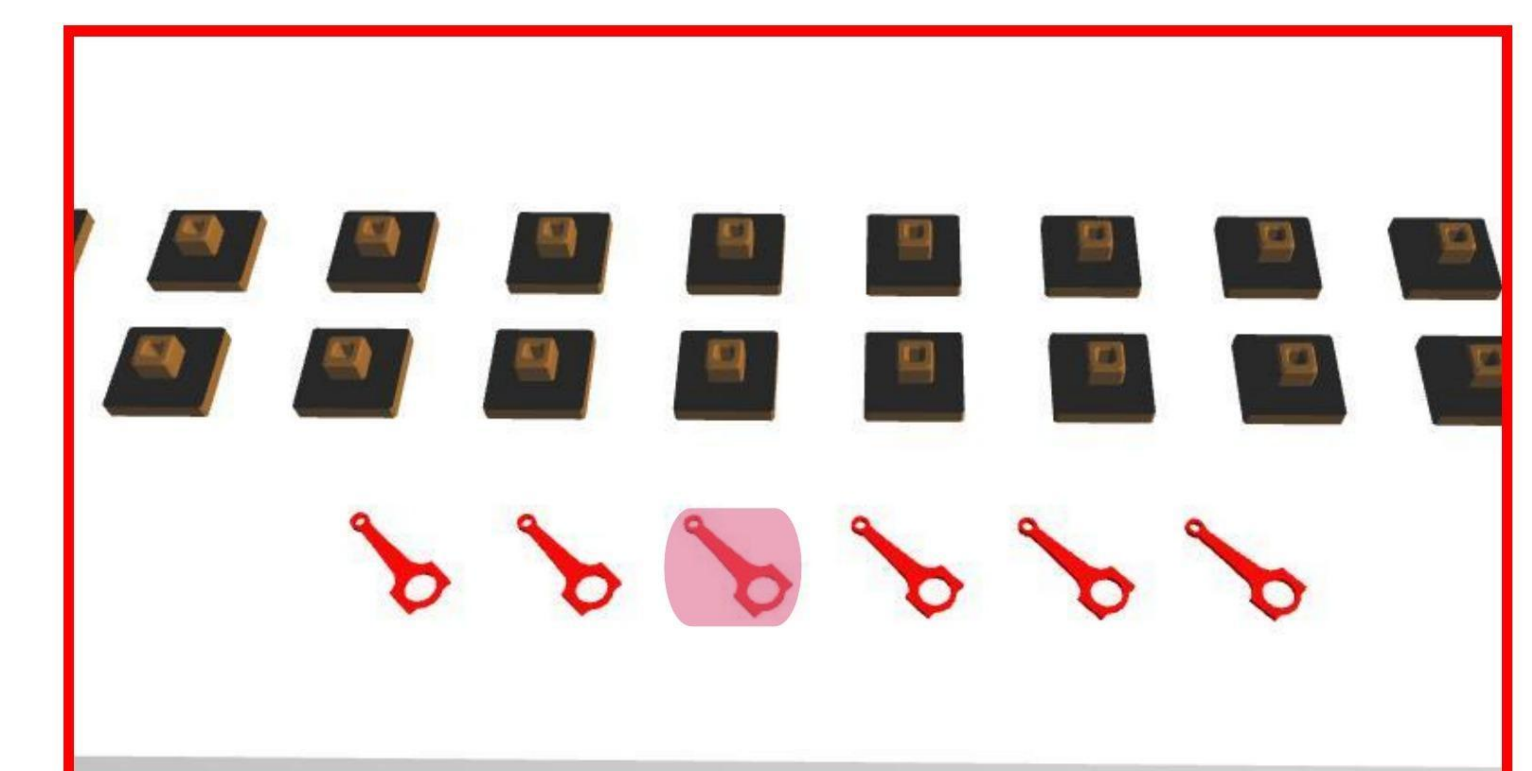
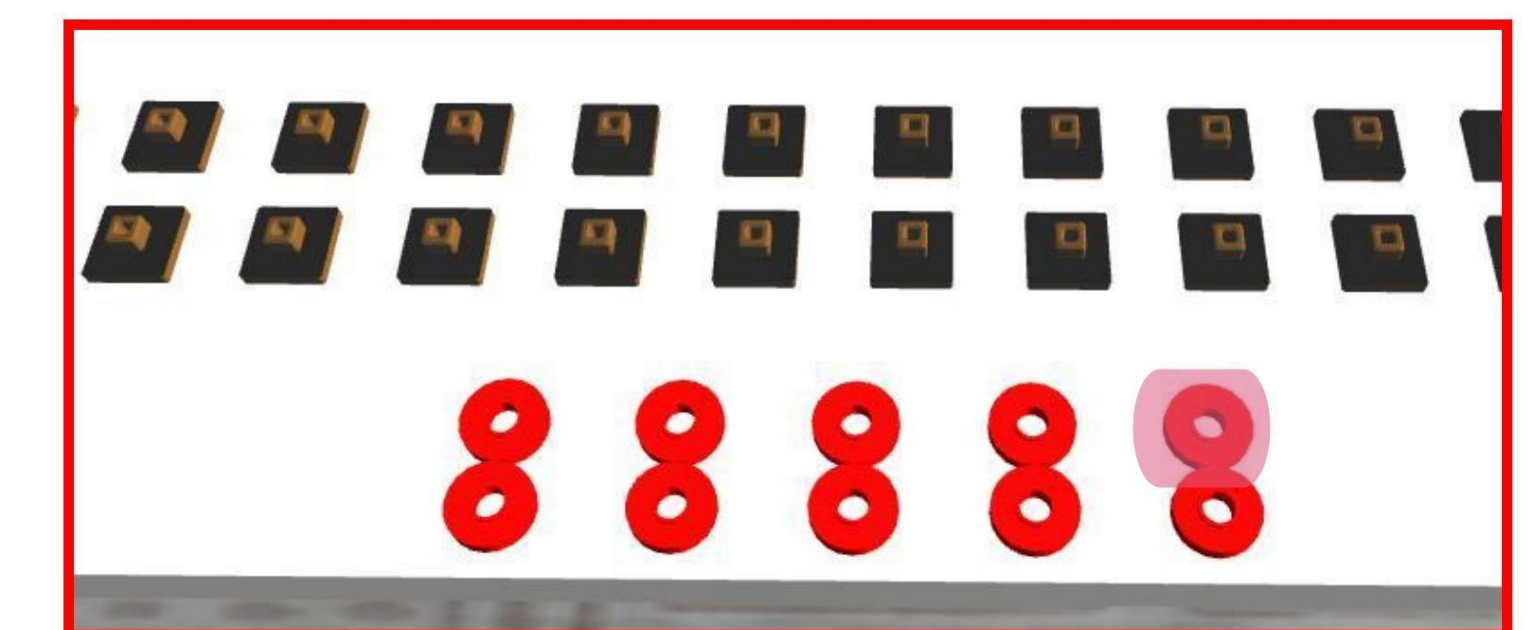
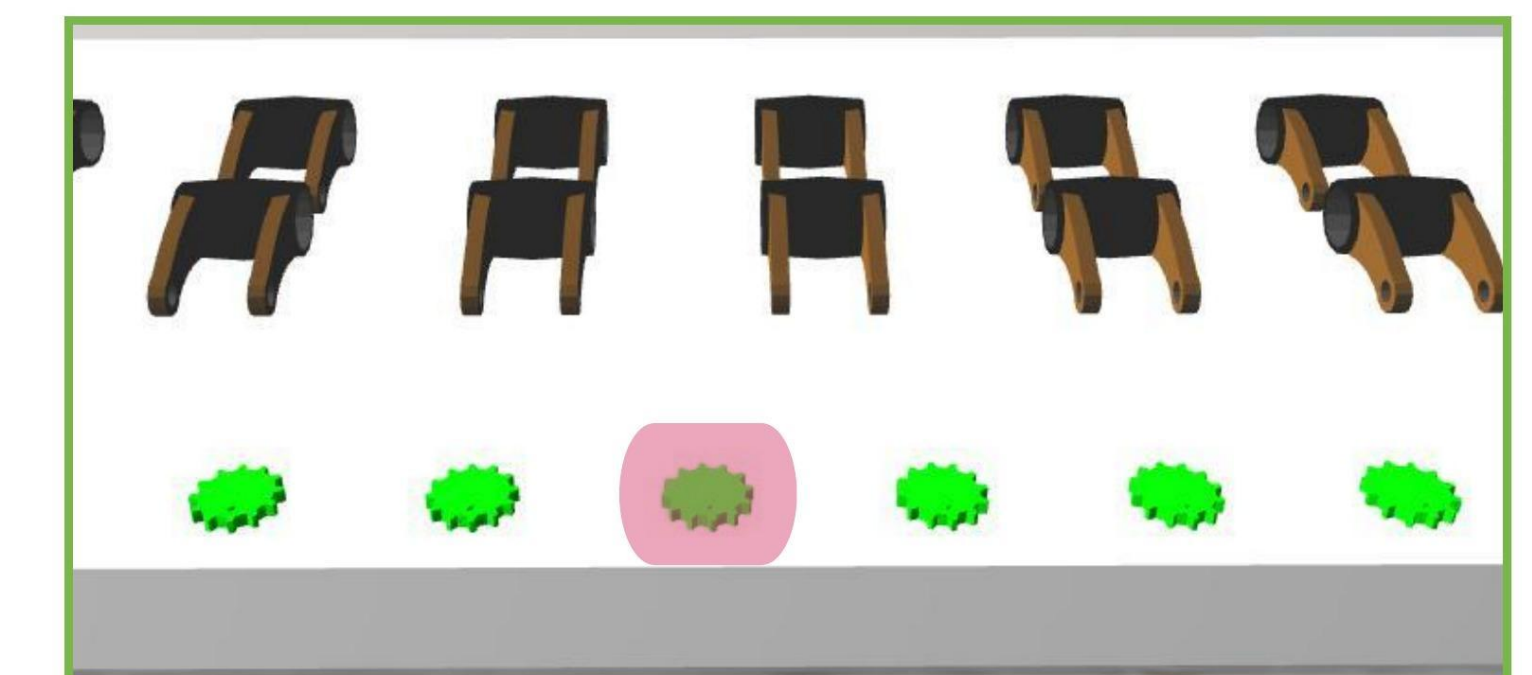


Fig. 5: Faulty products in the environment.

- **Flipped products:** A blue pulley needs to be flipped for both shipments. Figures 3 and 4 highlight the flipped pulley in both shipments.