Change visual properties during a simulation

You will use the display changer to change the color of a part.

1. Open **mcd01_training_plant_f**.

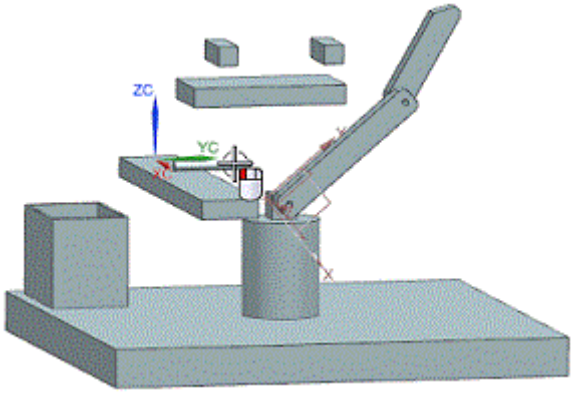
2. Play the simulation to see the results and then stop the simulation.

   The parts are carried down the conveyors until they fall to the floor. The **base motor** uses a time based operation and is active until it reaches the defined location. The **arm motor** does not activate to push the parts into the **bin**.

3. Choose **Home** tab→**Electrical** group→**Collision Sensor**  .

4. In the graphics window, select **MCD01_RECTANGLE_SINK**.

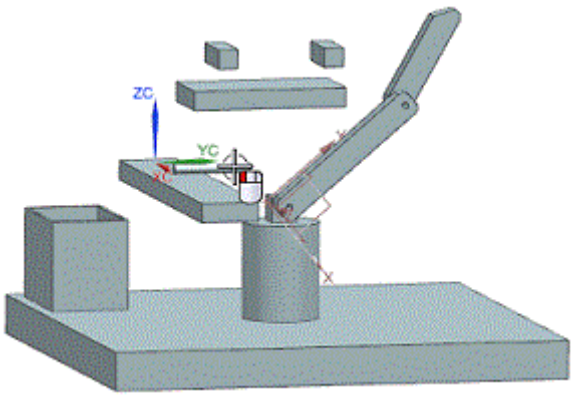
   Note The collision sensor is placed where you want to trigger the change.



5. In the **Name** box, type **display sensor**, and then click **OK**.

6. Choose **Home** tab→**Mechanical** group→**Display Changer**  .

7. In the graphics window, select **display sensor**.



8. In the **Name** box, type **display change color**, and then click **OK**.

9. Choose **Home** tab→**Automation** group→**Operation**  .

10. In the **Type** group, from the list, select **Operation**.

11. In the **Physics Navigator**, under the **Sensors and Actuators** node, select **display change color**.

12. In the **Runtime Parameter** group, set the following:
    - **execute mode** check box = ☑
    - **execute mode** value = **Always**
    - **color** check box = ☑

13. In the **Edit Parameter** group, click the color swatch.

14. In the **Color** dialog box, in the **ID** box, type **186**, and then press Enter.

15. Click **OK**.

16. In the **Name** box, type **change operation**, and then click **OK**.

17. Run the simulation to see the results and then stop the simulation.

    The parts are moved down the conveyors. The part changes color when the collision sensor triggers the display changer operation.

18. Close the part.