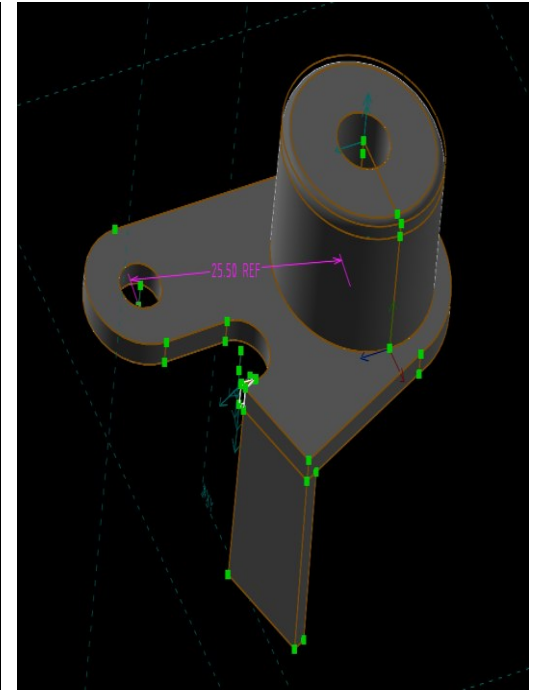
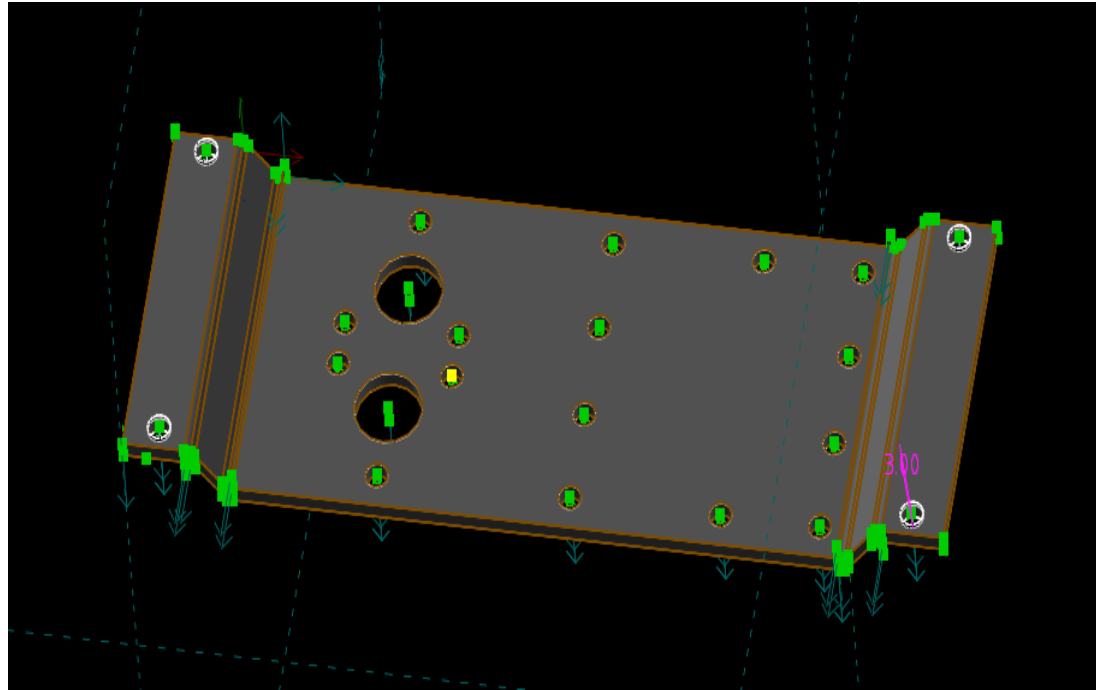
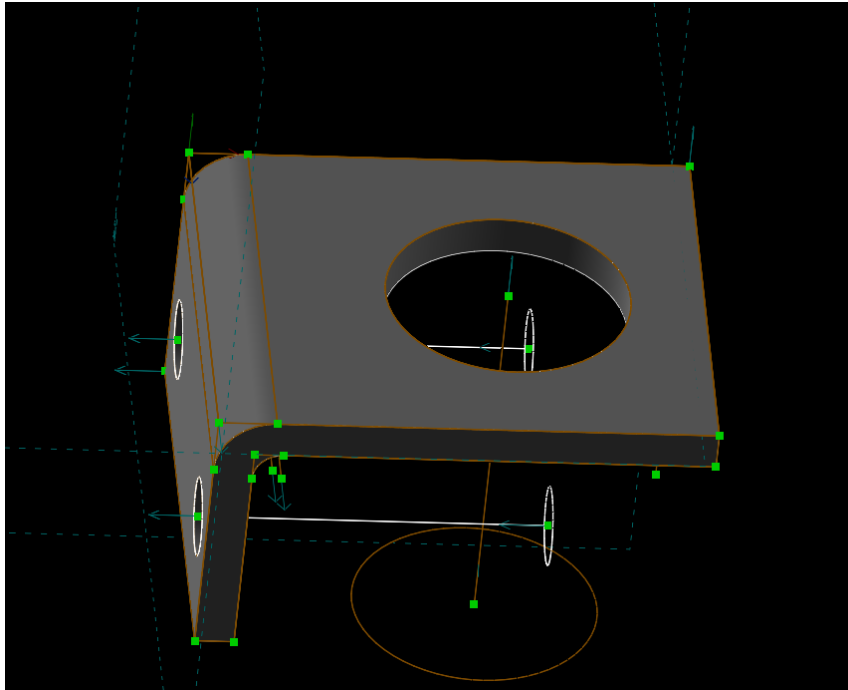
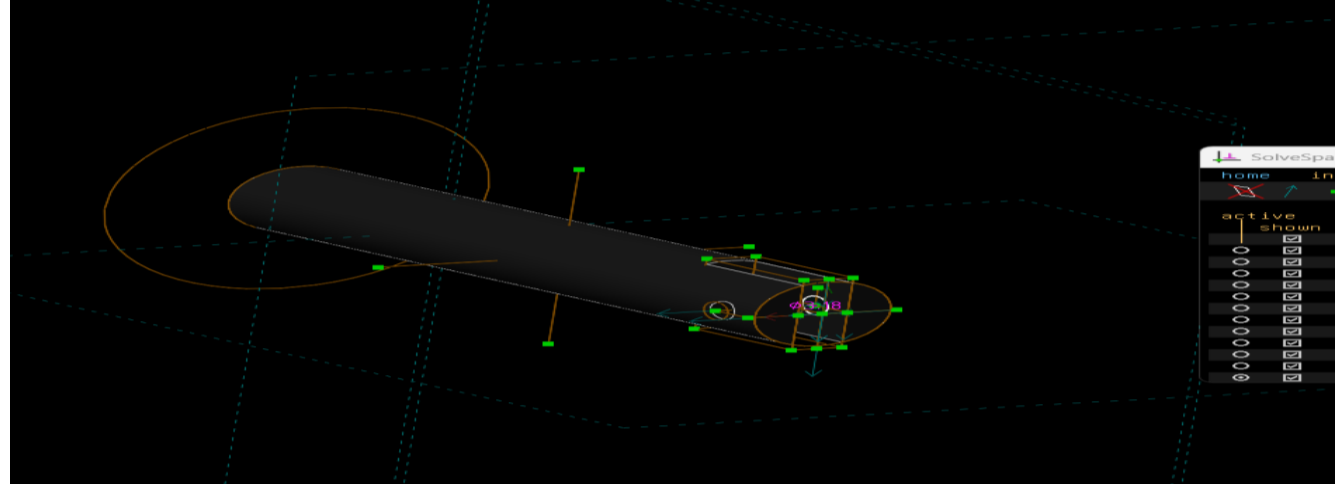
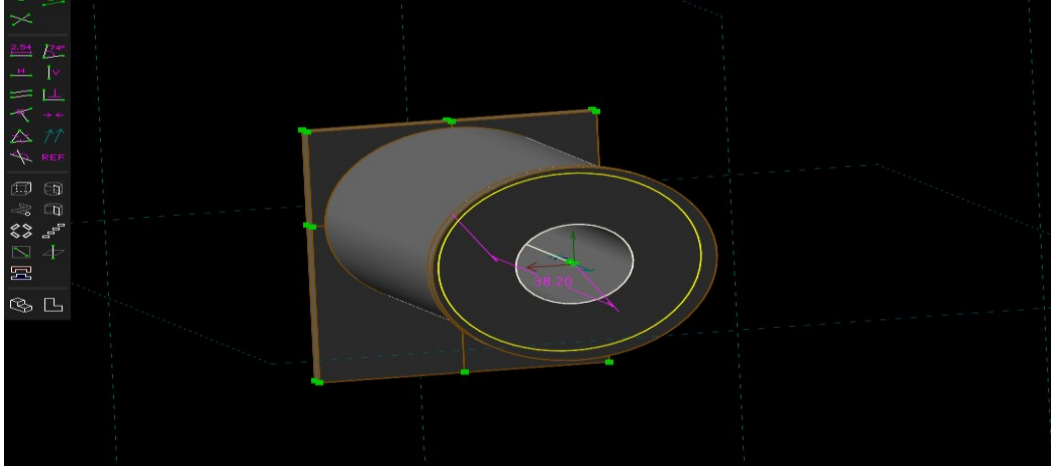


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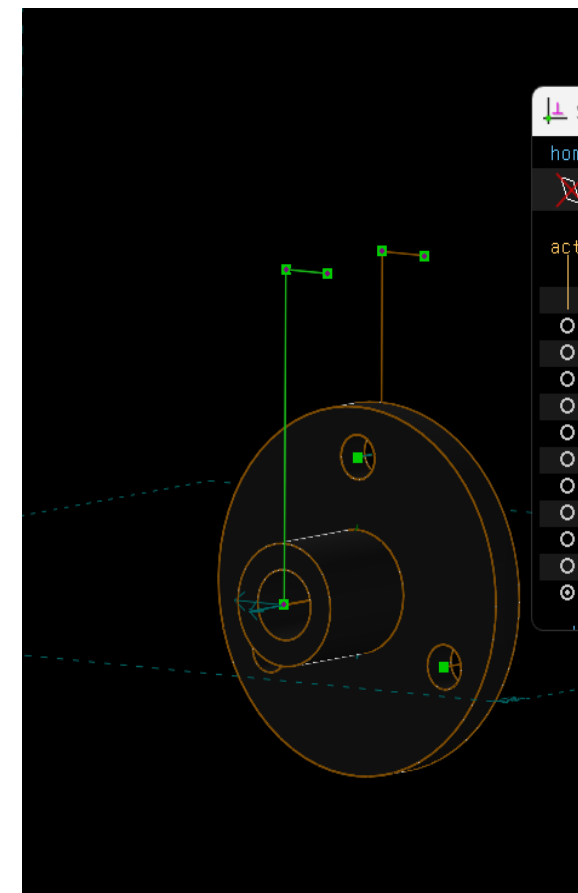
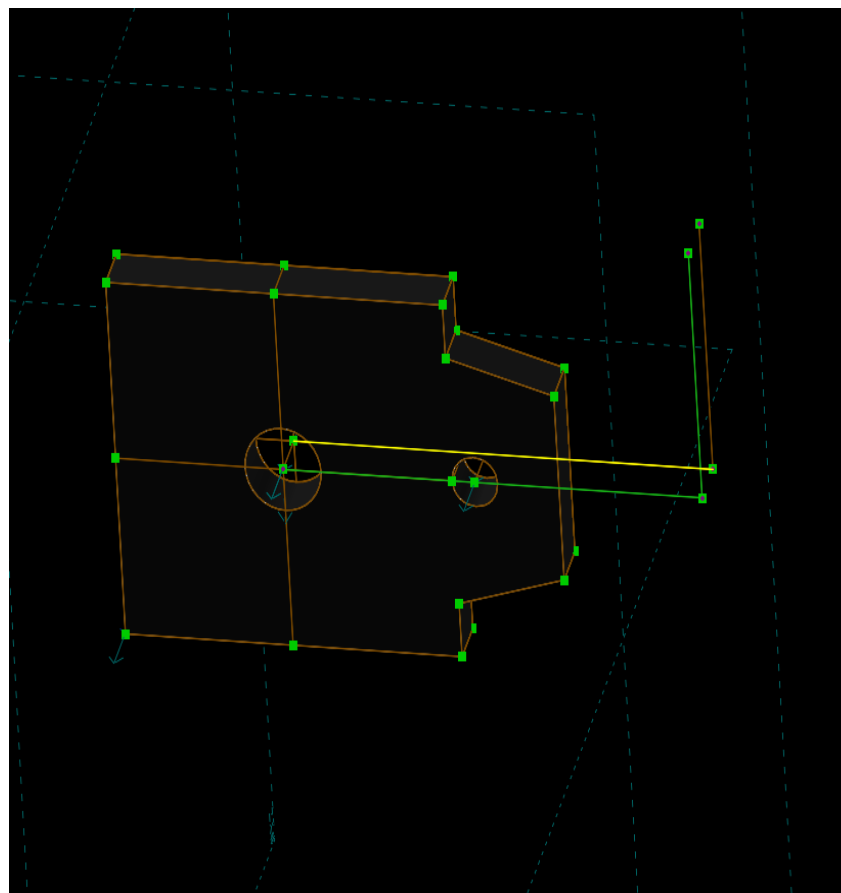
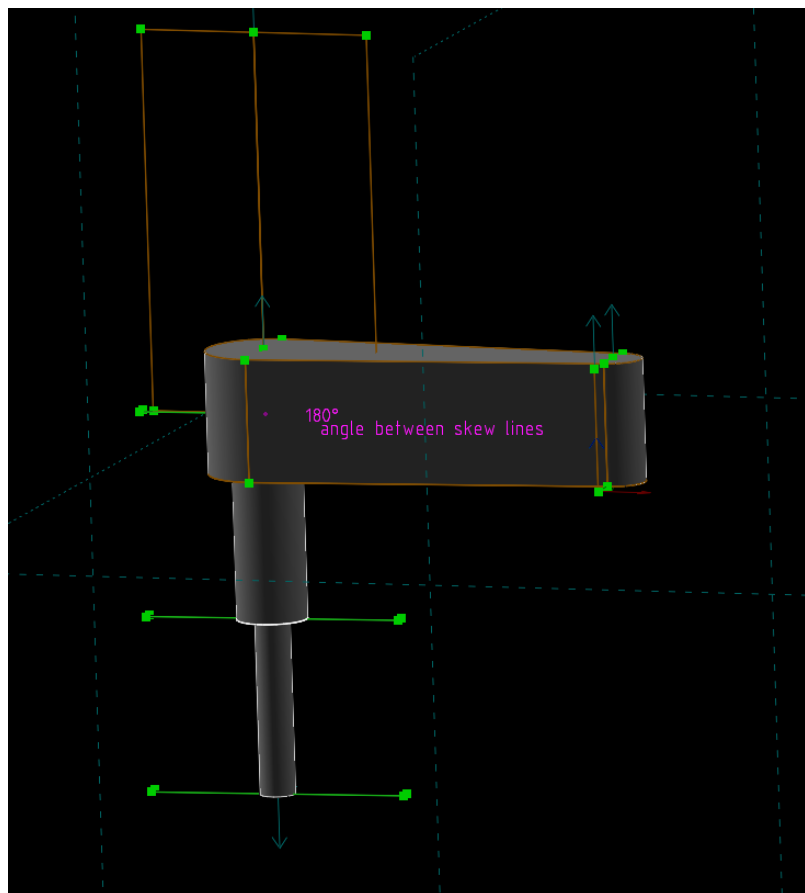
41223158廖尉博



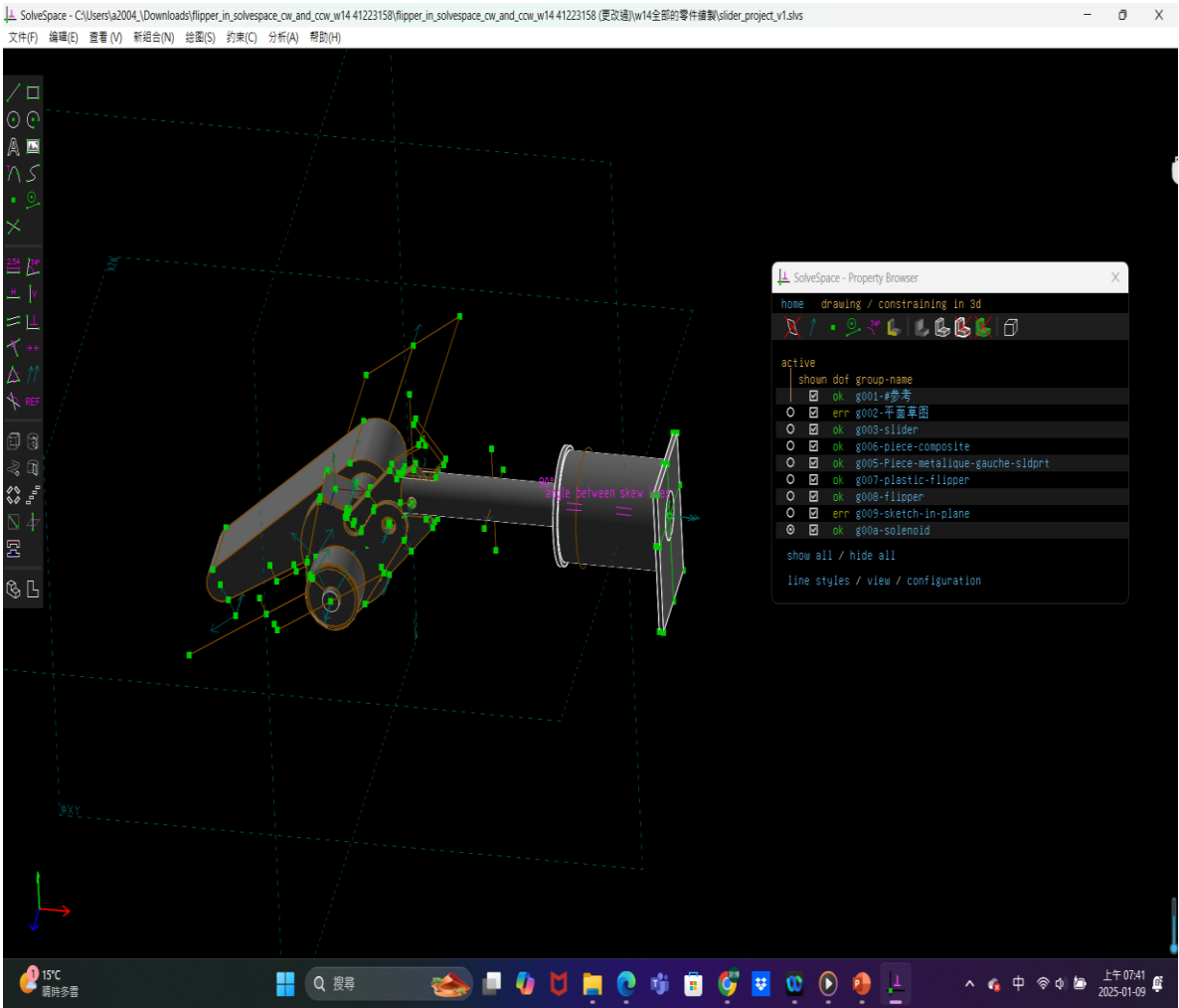
零件繪圖



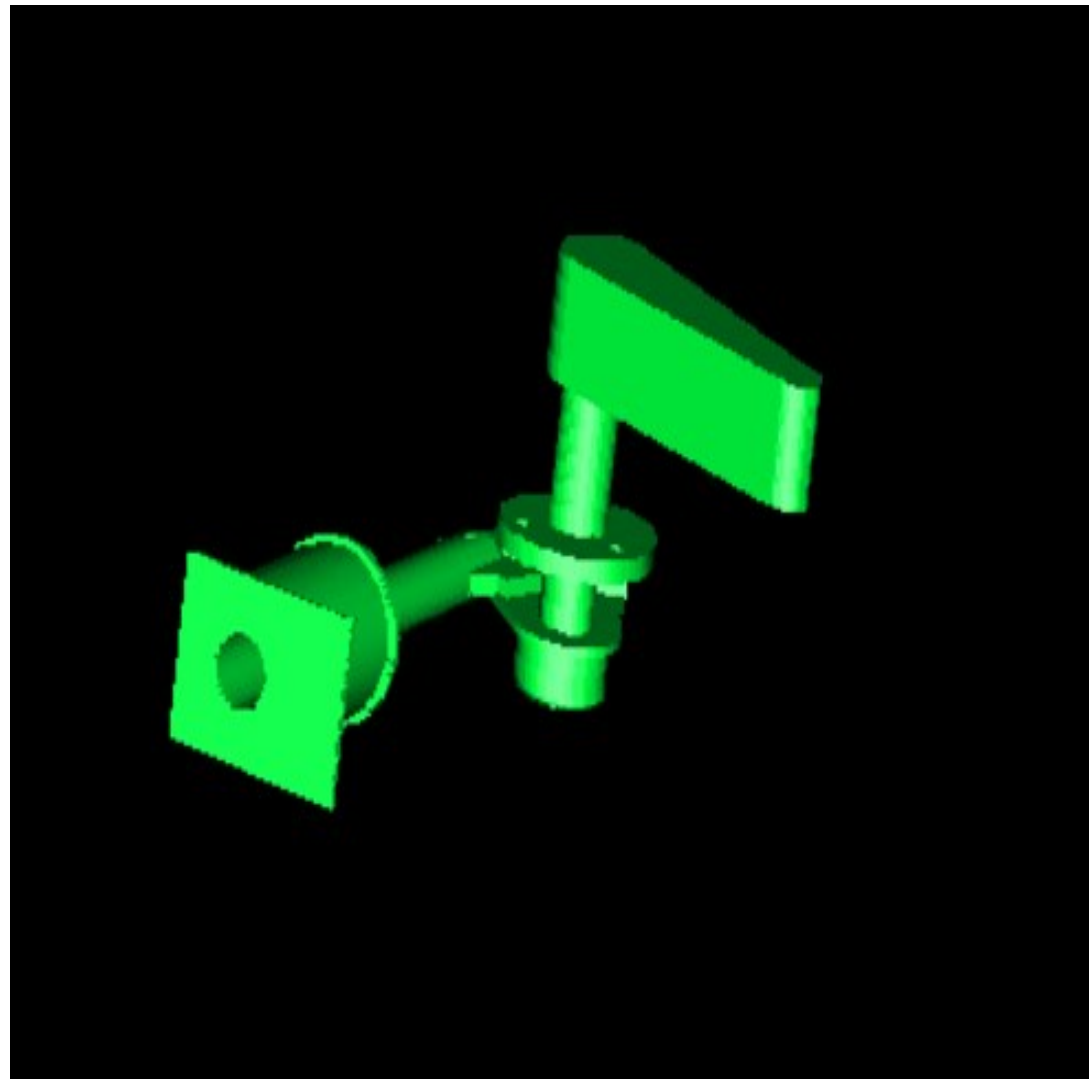
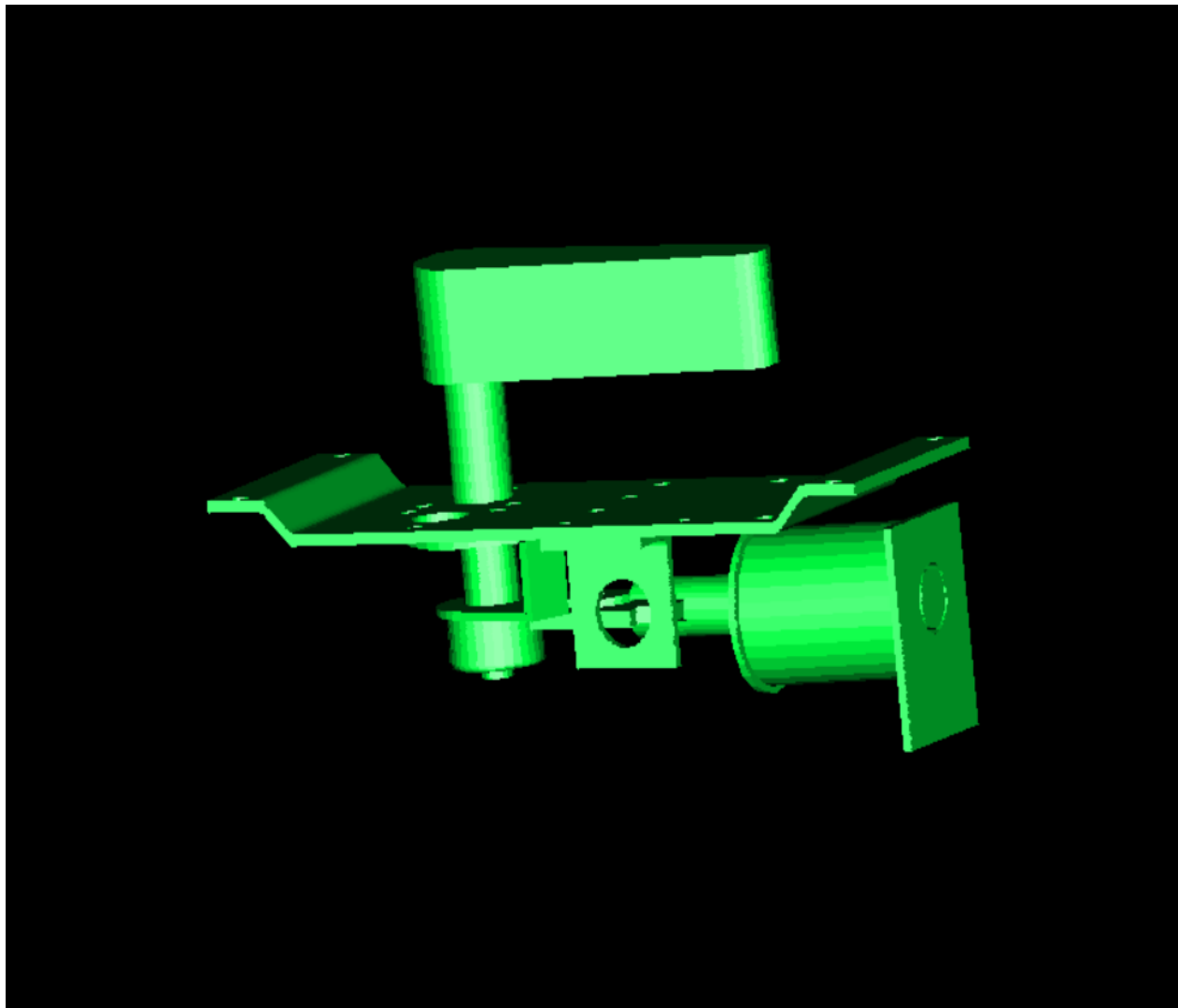
零件繪圖



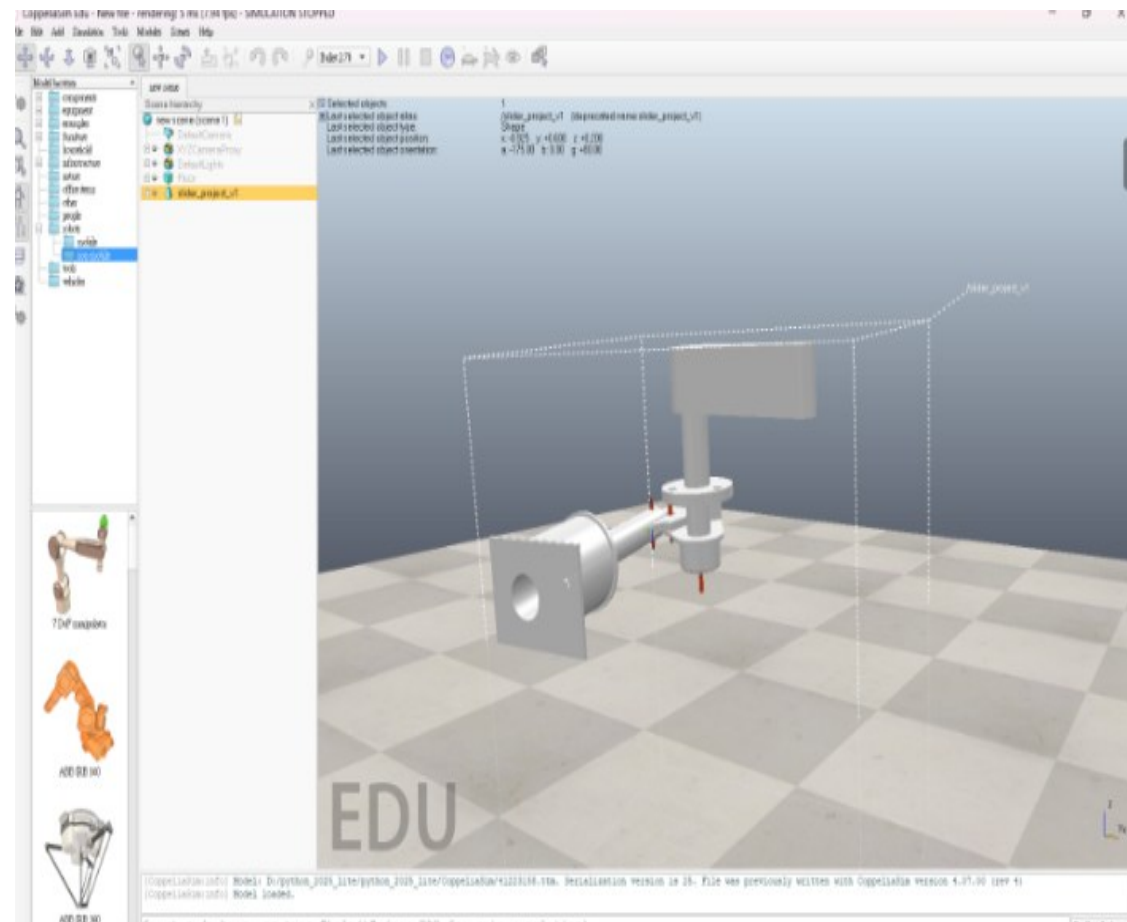
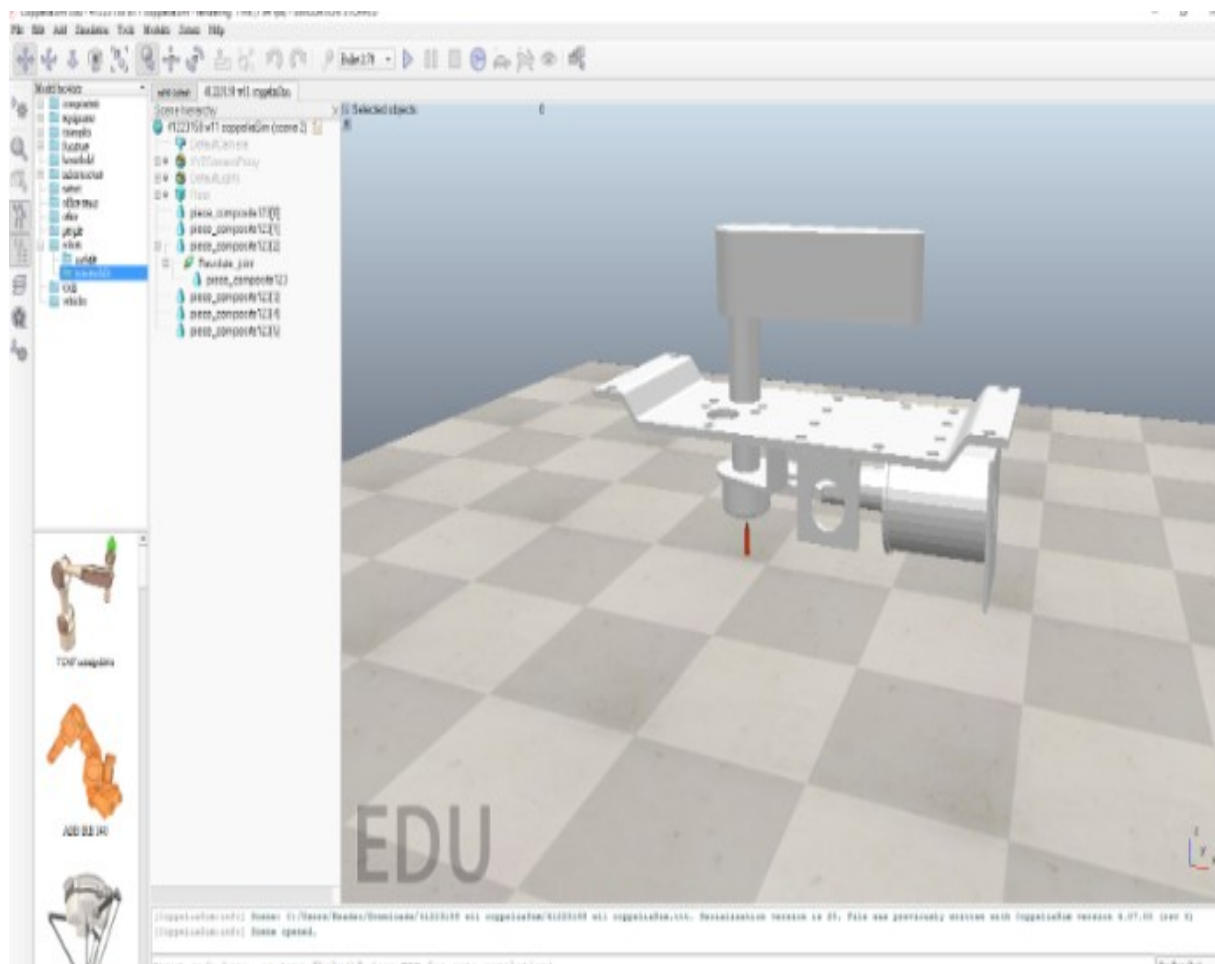
零件的組合



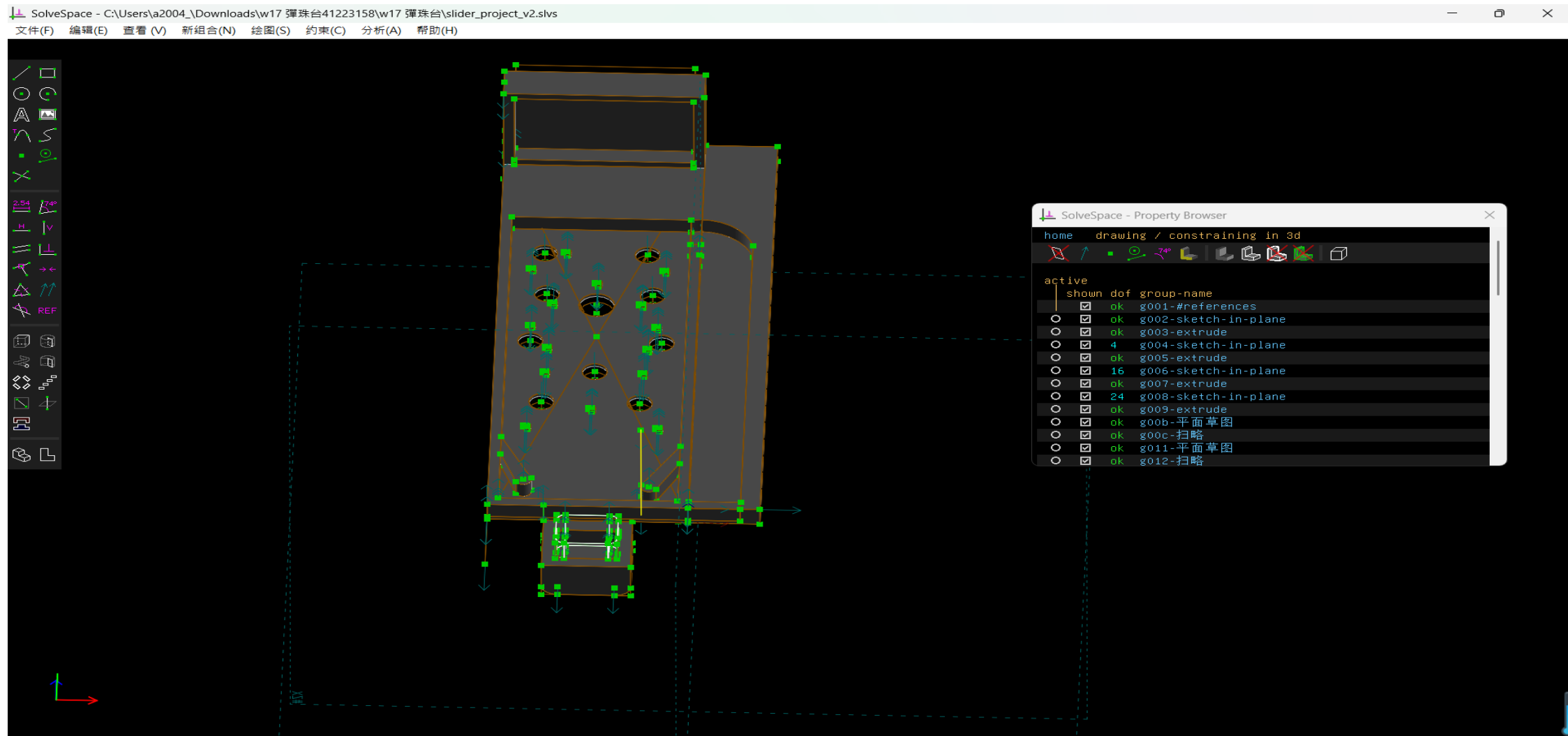
Stl 的上傳



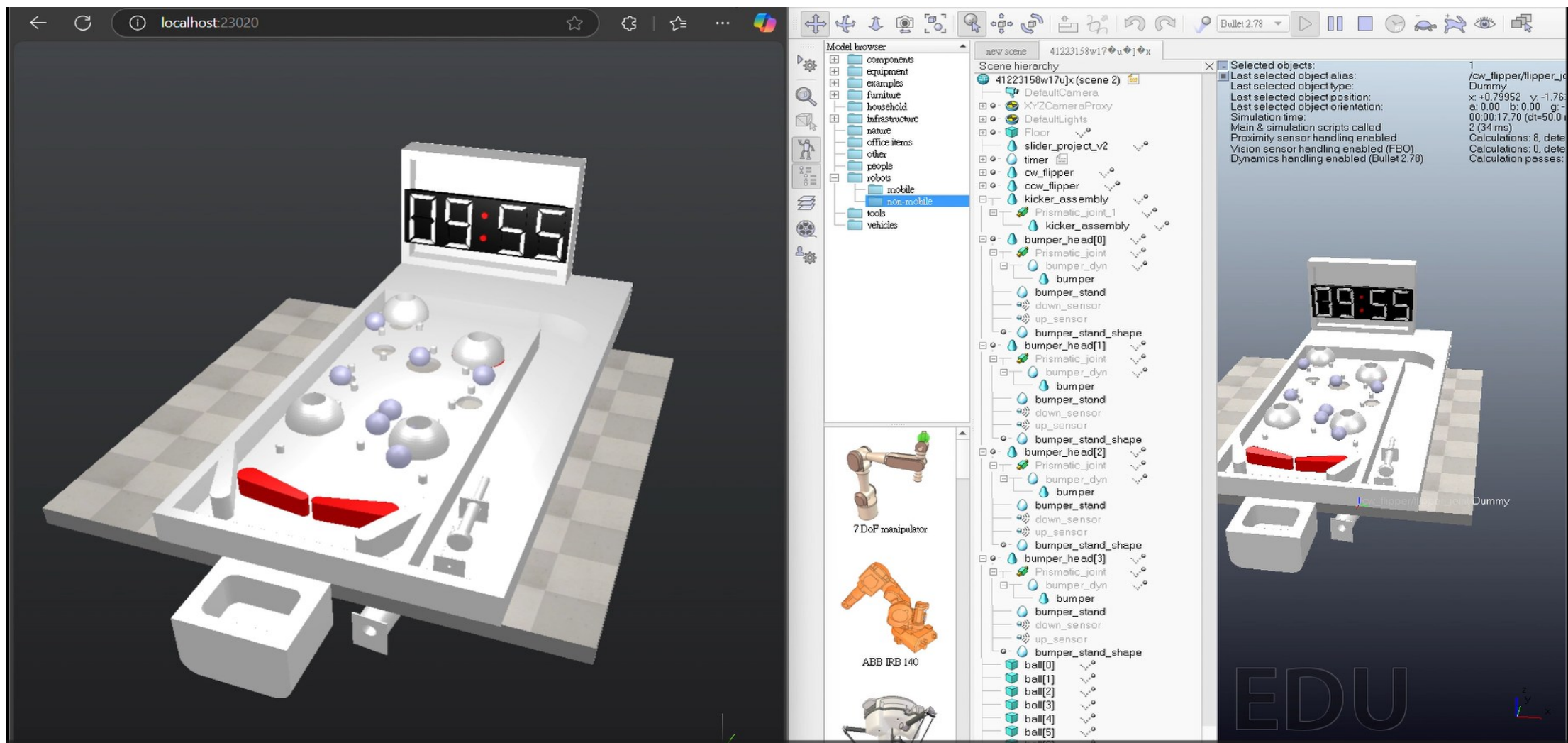
CoppeliaSim的模擬圖



彈珠台的繪製及模擬圖



彈珠台的繪製及模擬圖



模擬的程式

41223158 control.py - SciTE

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1 41223158 control.py

```
# pip install pyzmq cbor keyboard
from coppeliasim_zmqremoteapi_client import RemoteAPIClient
import keyboard

# Connecting to the Coppeliasim server
client = RemoteAPIClient('localhost', 23000)

print('Program started')
sim = client.getObject('sim')

# Get the handle for the slider (prismatic joint)
cw= sim.getObject('/cw_joint')
ccw= sim.getObject('/ccw_joint')

# Starting the simulation
sim.startSimulation()
print('Simulation started')

# Main control loop
def main():
    # Keep running until simulation is stopped
    while True:
        if keyboard.is_pressed('p'): # Move slider to -0.15 position
            print("p is pressed")
            sim.setJointTargetPosition(cw, -0.25)

        if keyboard.is_pressed('l'): # Reset slider to the original position
            print("l is pressed")
            sim.setJointTargetPosition(cw, 0.0) # Reset to the initial position

        if keyboard.is_pressed('w'): # Move slider to -0.15 position
            print("w is pressed")
            sim.setJointTargetPosition(ccw, -0.28)

        if keyboard.is_pressed('s'): # Reset slider to the original position
            print("s is pressed")
            sim.setJointTargetPosition(ccw, 0.0) # Reset to the initial position

        if keyboard.is_pressed('t'): # Stop the simulation when 'q' is pressed
            print("t is pressed - stopping simulation")
            sim.stopSimulation()
            break

# Start the main control loop
main()
```

41223158.py - SciTE

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1 41223158.py

```
# pip install pyzmq cbor keyboard
from coppeliasim_zmqremoteapi_client import RemoteAPIClient
import keyboard

# Connecting to the Coppeliasim server
client = RemoteAPIClient('localhost', 23000)

print('Program started')
sim = client.getObject('sim')

# Get the handle for the slider (prismatic joint)
slider = sim.getObject('/Prismatic_joint')

# Starting the simulation
sim.startSimulation()
print('Simulation started')

# Main control loop
def main():
    # Keep running until simulation is stopped
    while True:
        if keyboard.is_pressed('w'): # Move slider to -0.15 position
            print("w is pressed")
            sim.setJointTargetPosition(slider, -0.15)

        if keyboard.is_pressed('s'): # Reset slider to the original position
            print("s is pressed")
            sim.setJointTargetPosition(slider, 0.0) # Reset to the initial position

        if keyboard.is_pressed('q'): # Stop the simulation when 'q' is pressed
            print("q is pressed - stopping simulation")
            sim.stopSimulation()
            break

# Start the main control loop
main()
```