

# Vending Machine

학점 자판기

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# 주제 선정

1

실생활에 많이 접하는 제품

2

다양한 Assembly와 Kinematics

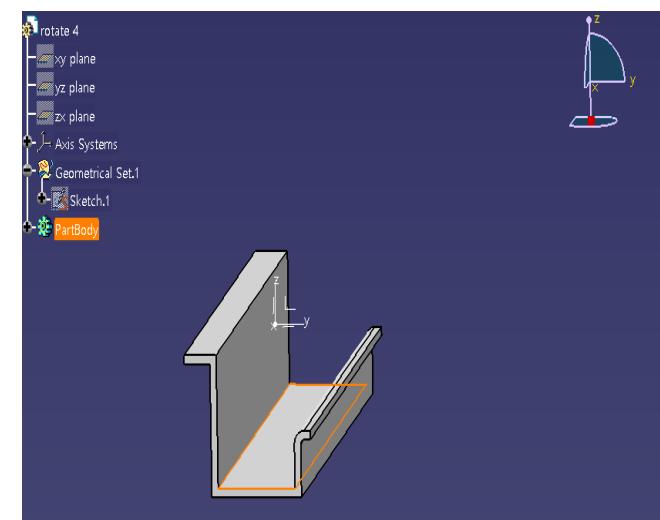
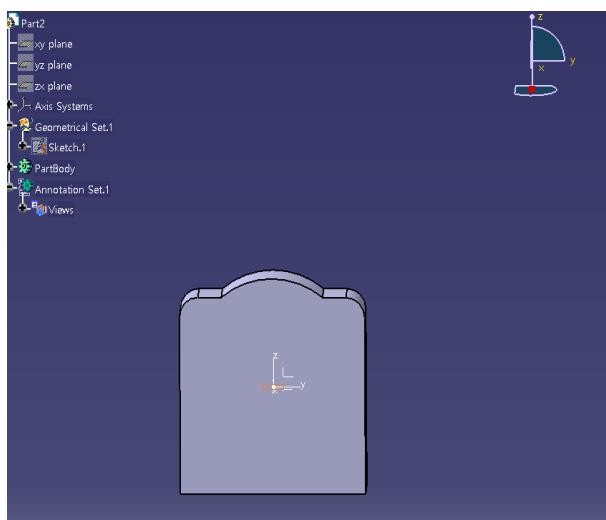
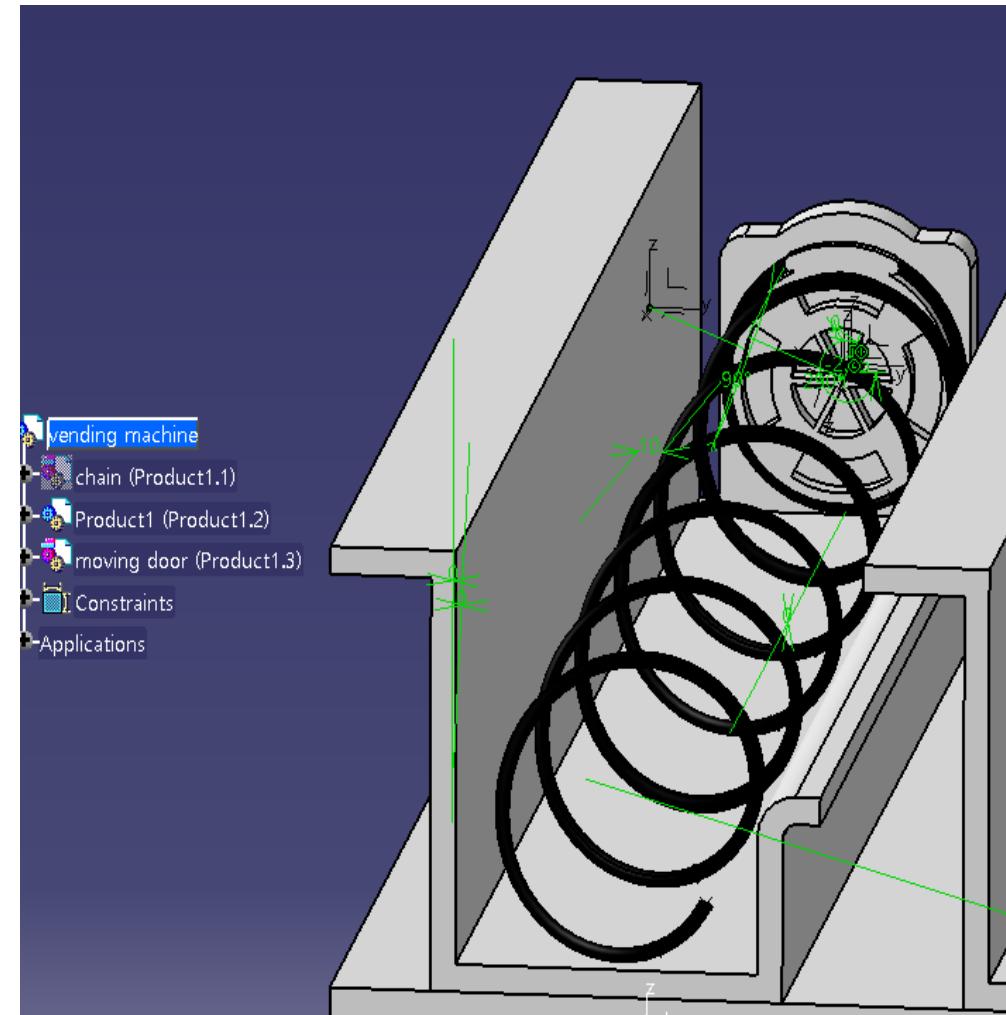
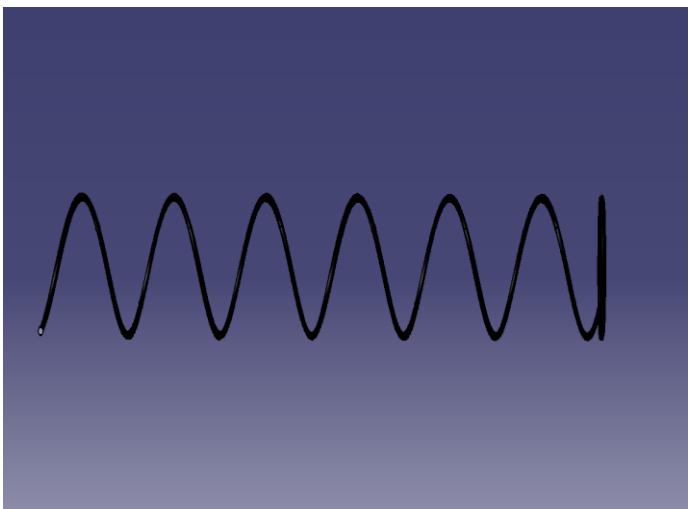
3

한 시퀀스로 표현 가능

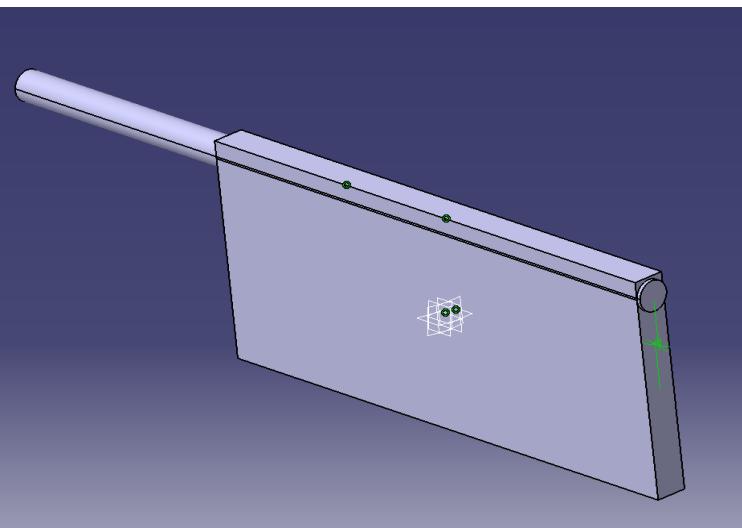
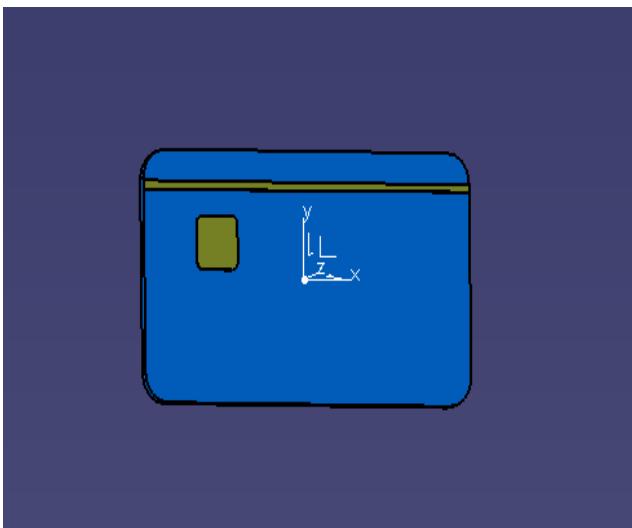
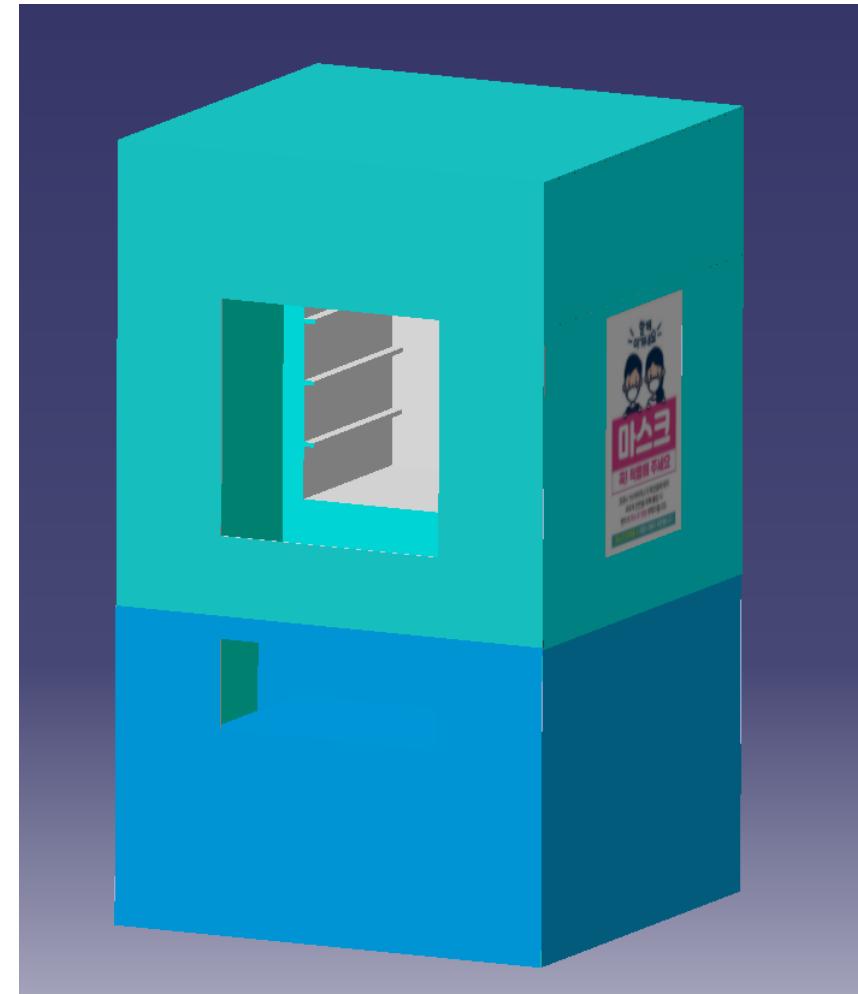
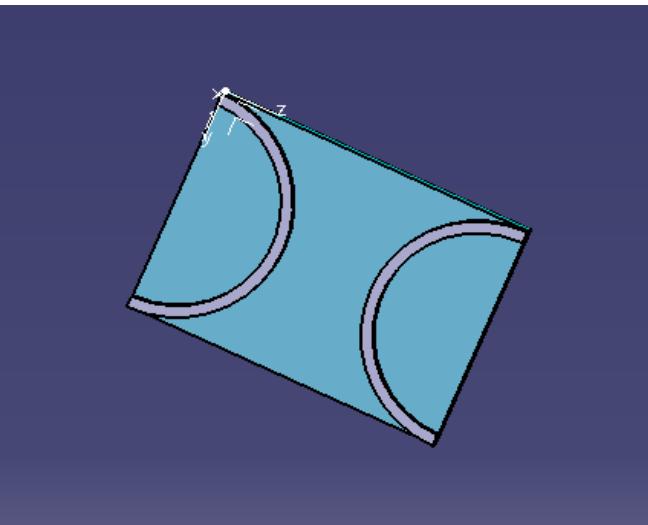
4

코로나 시기를 기억할 수 있는 제품

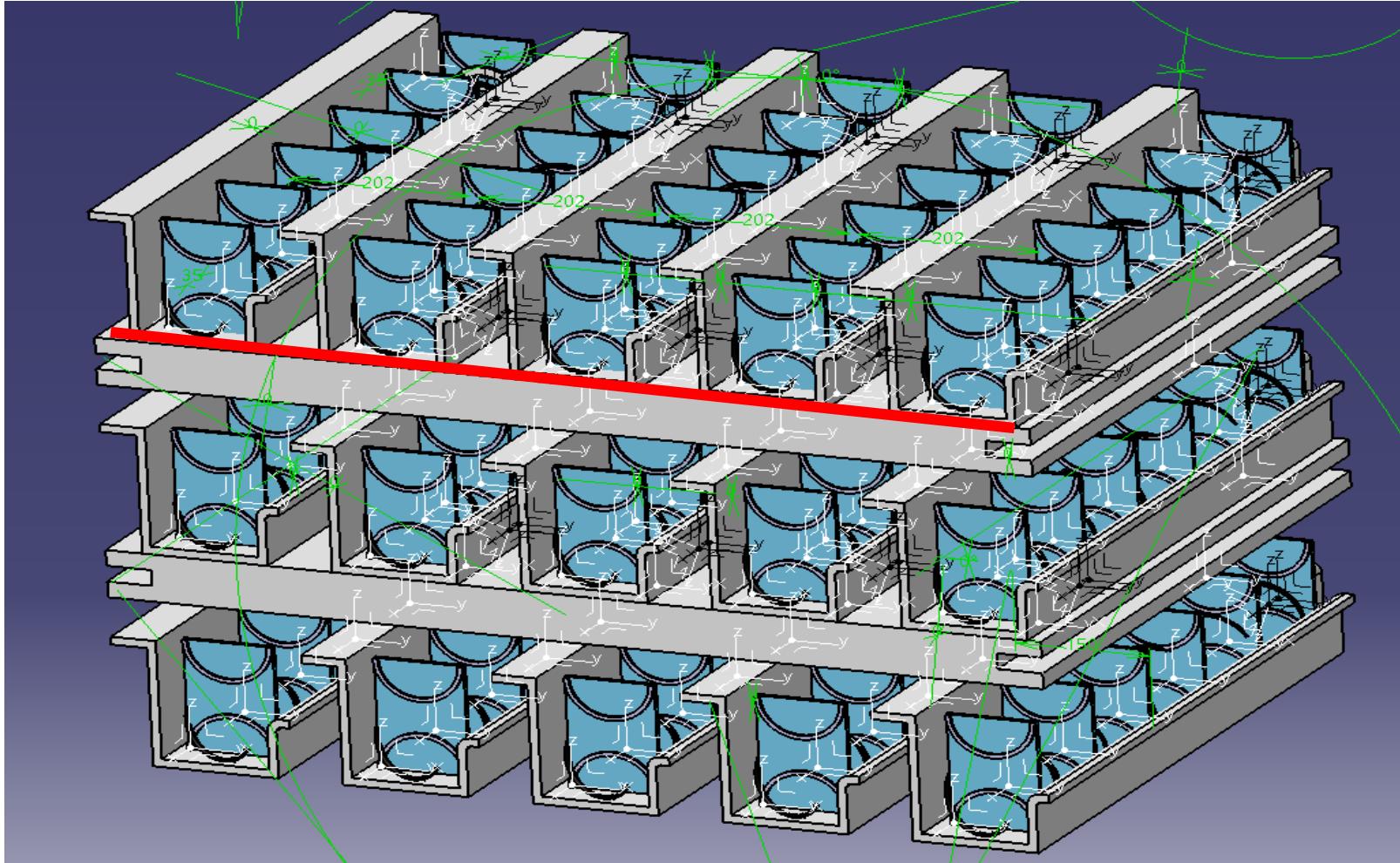
# Assembly



# Assembly



# Assembly

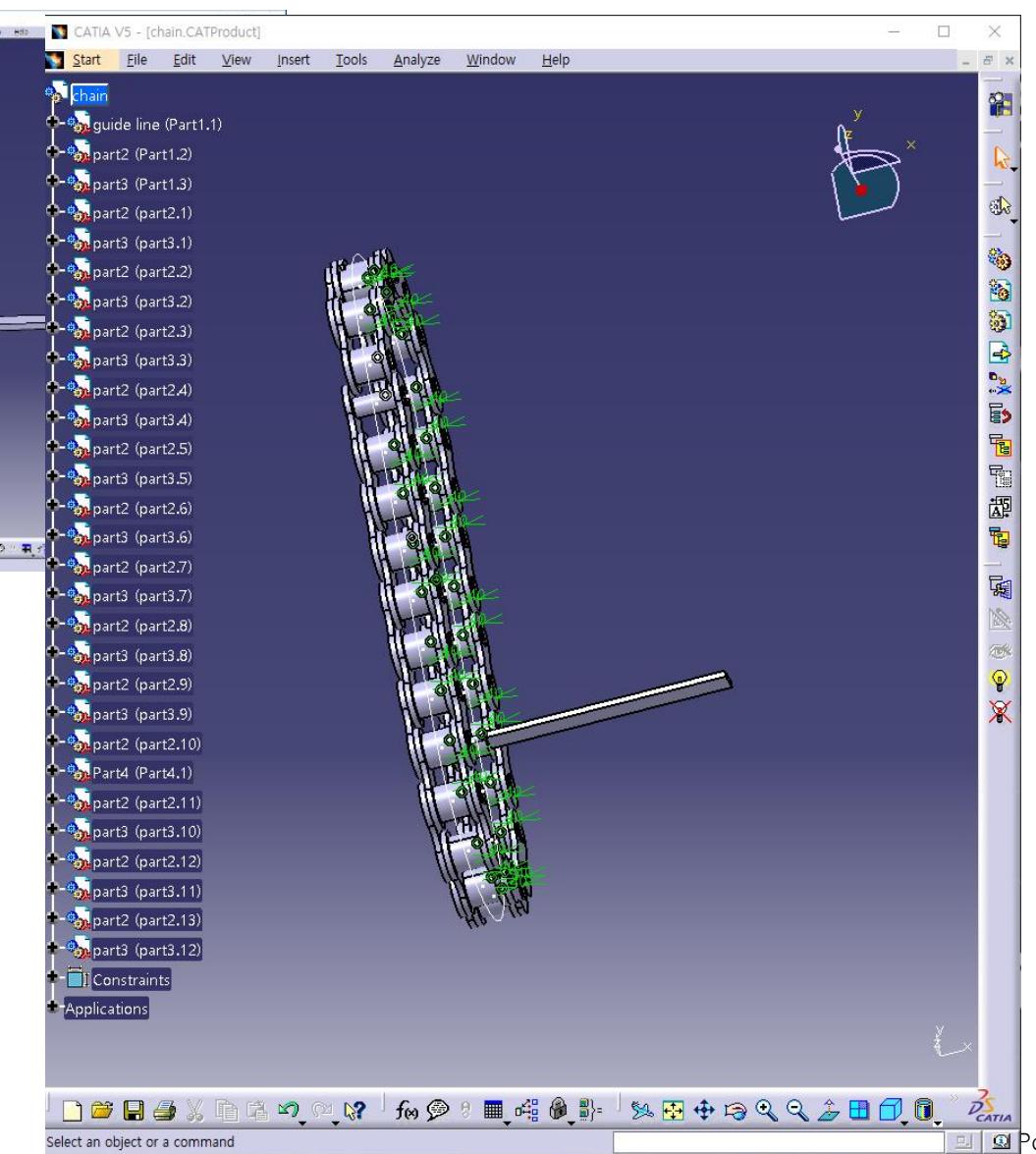
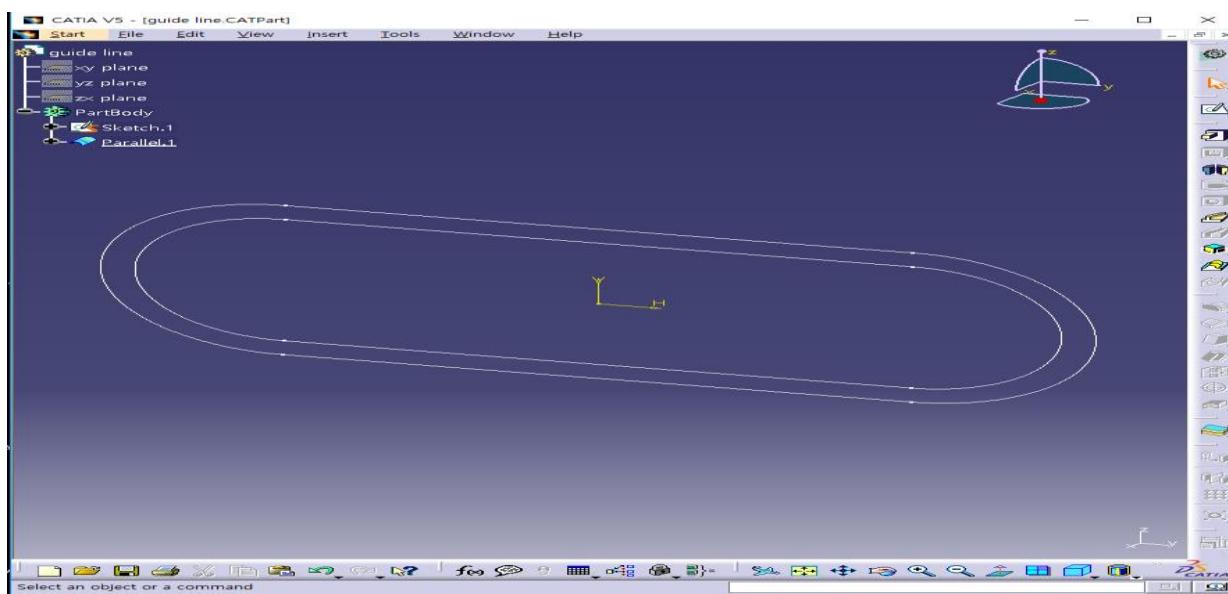
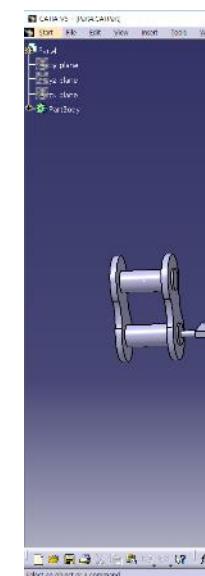
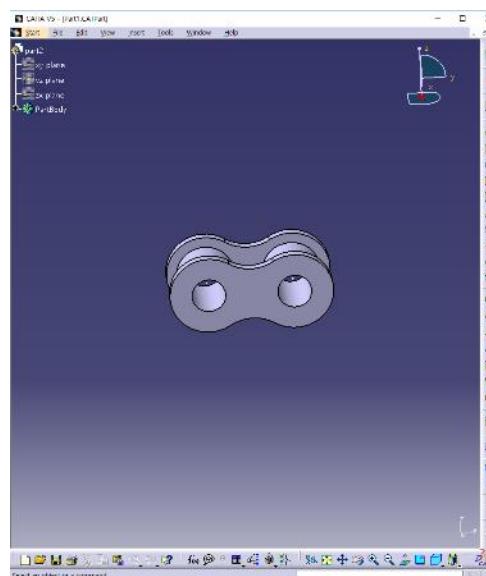
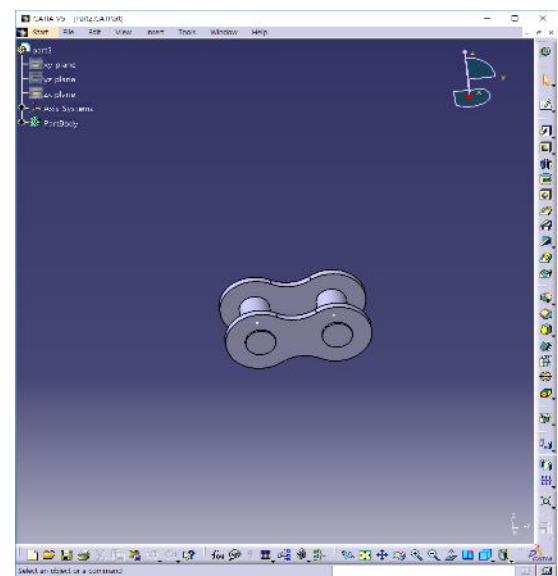


## Define Multi-Instantiation

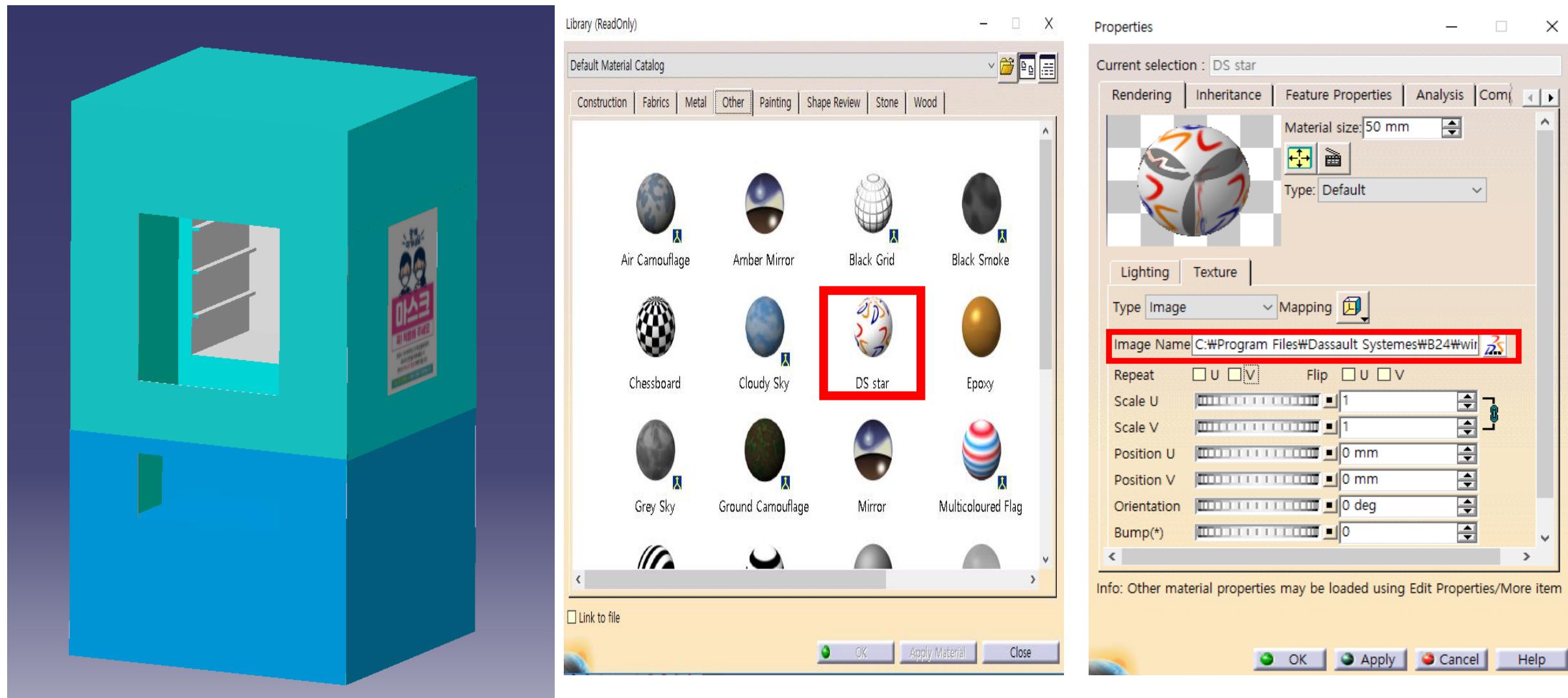


- Component 복사하는 방법 등을 정의함.

# Assembly - chain



# Additional Design



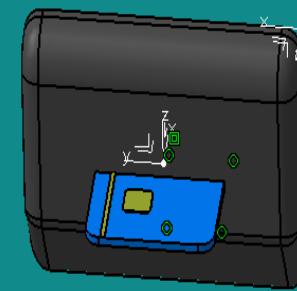
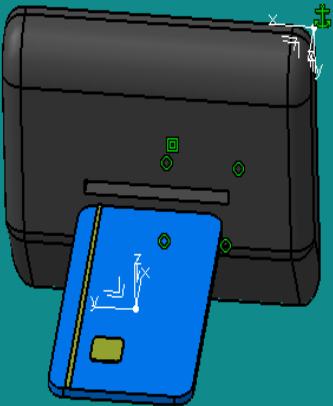
# Kinematics

카드 투입

카드 단말기

Card

(Prismatic)

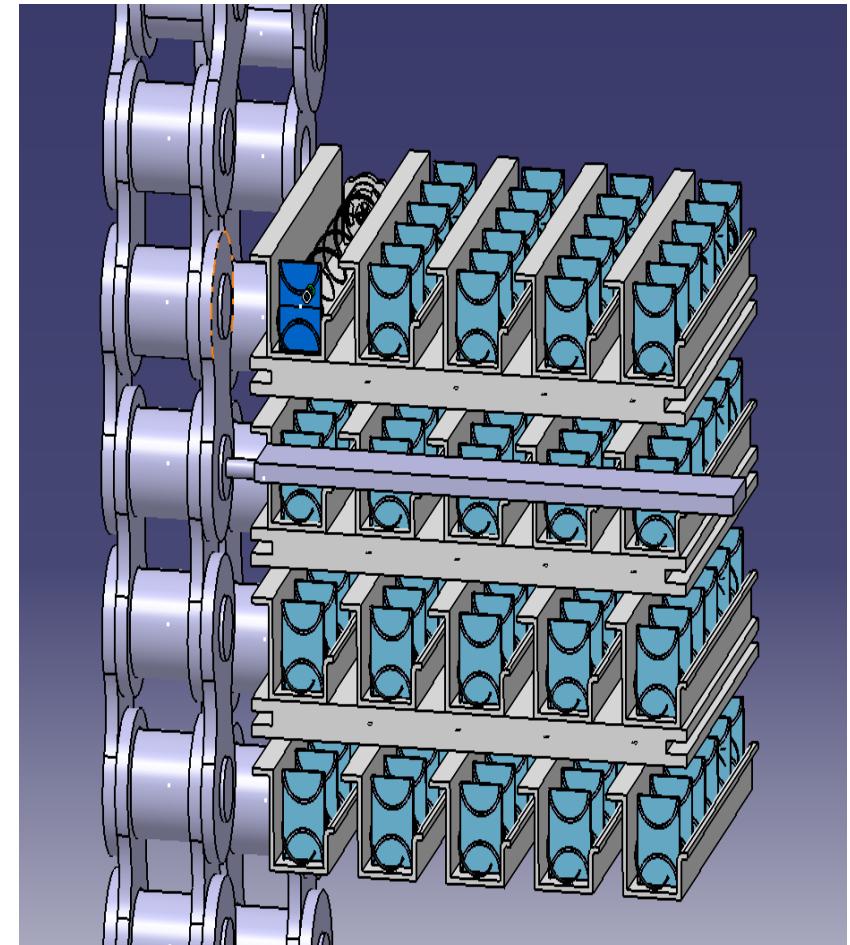
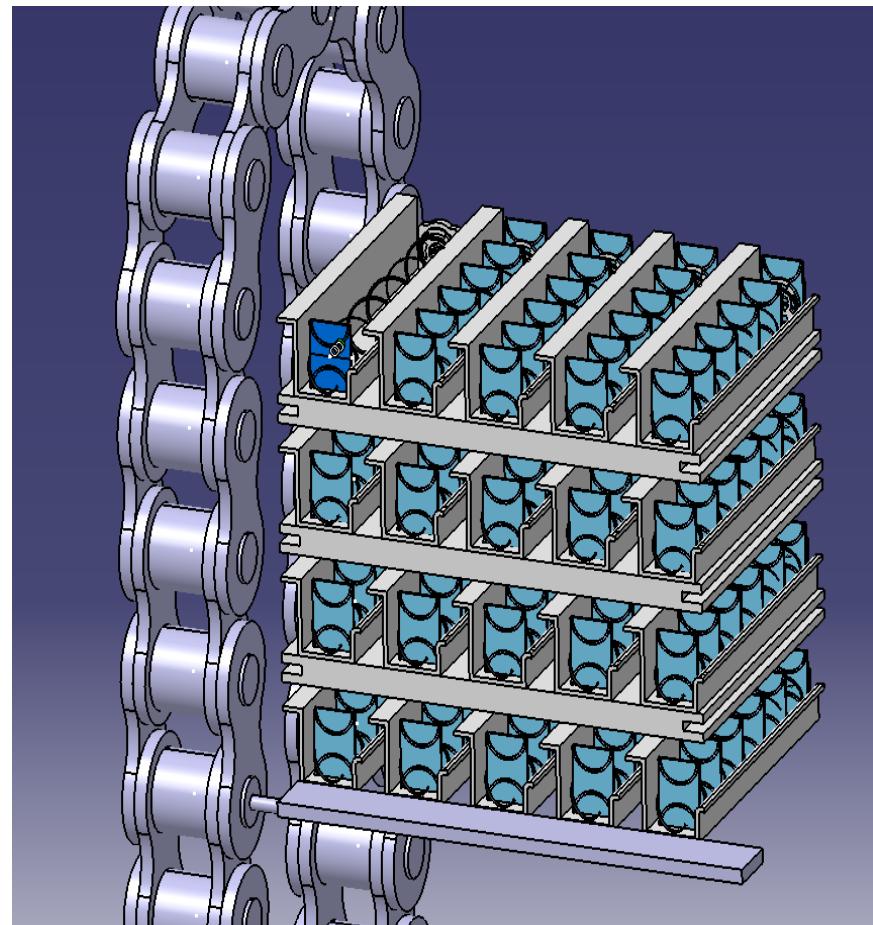


# Kinematics

선반 이동

Chain

(Point curve  
Slide curve)

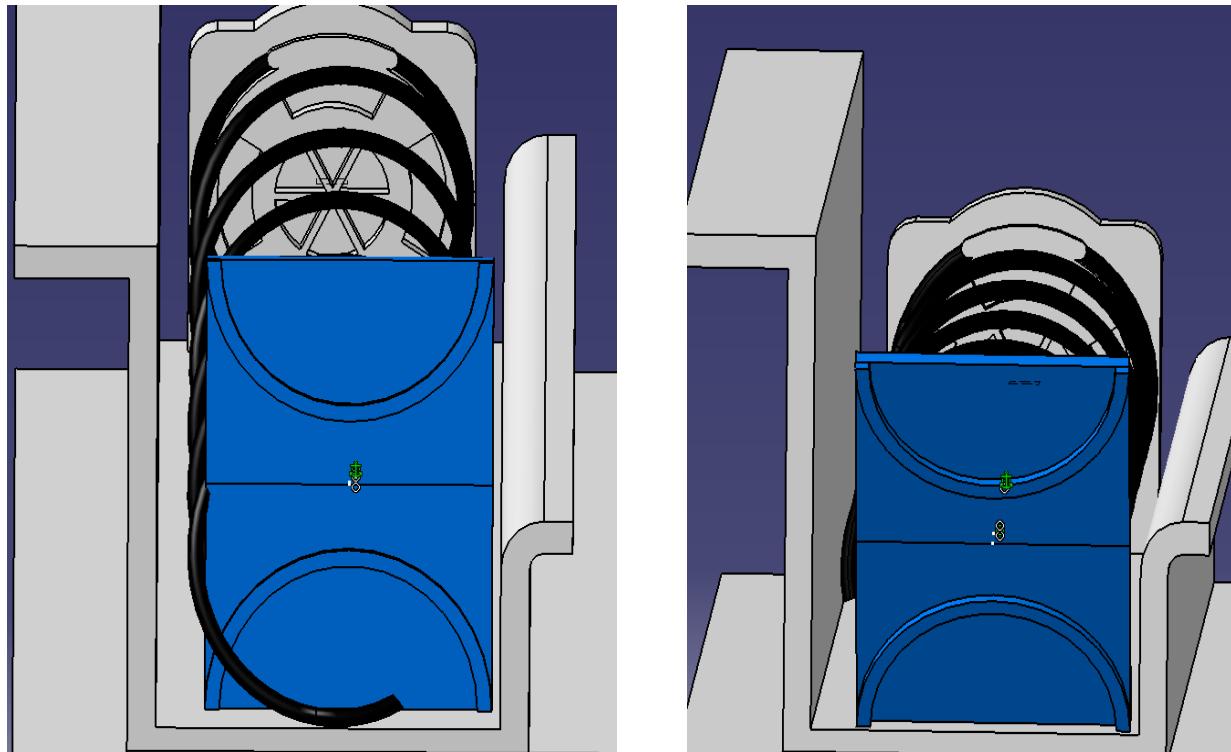


# Kinematics

마스크 이동

Helix  
(Revolute)

Mask  
(Slide curve)

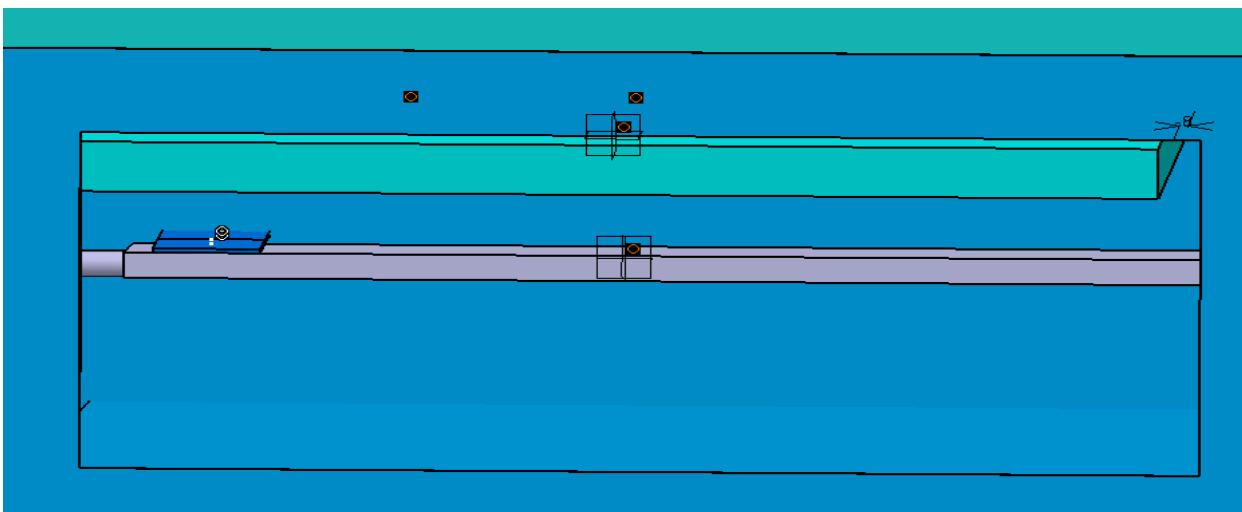
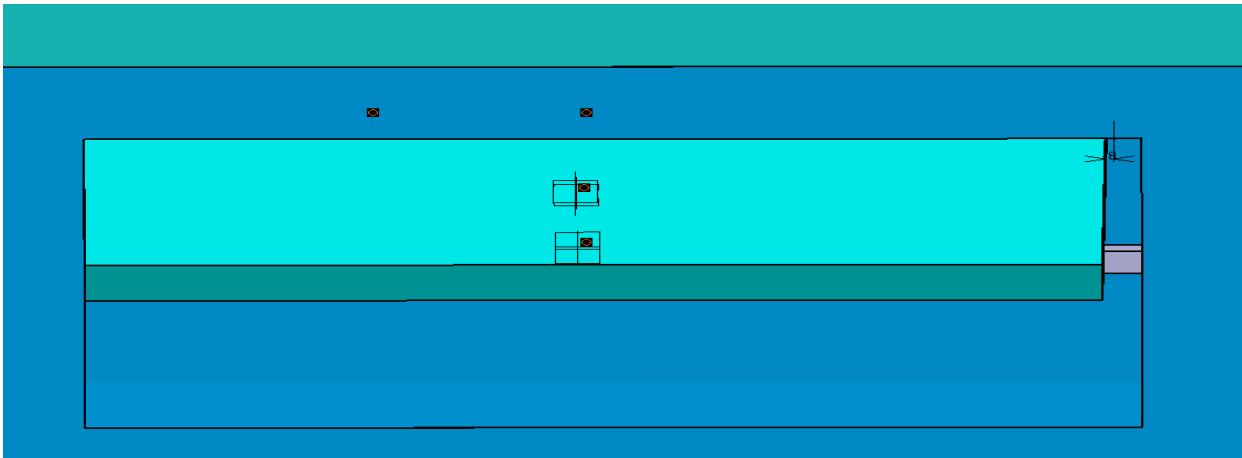


# Kinematics

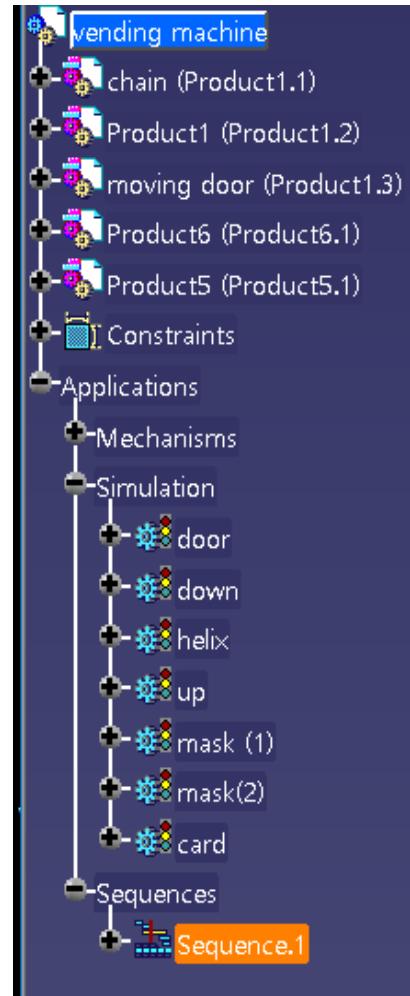
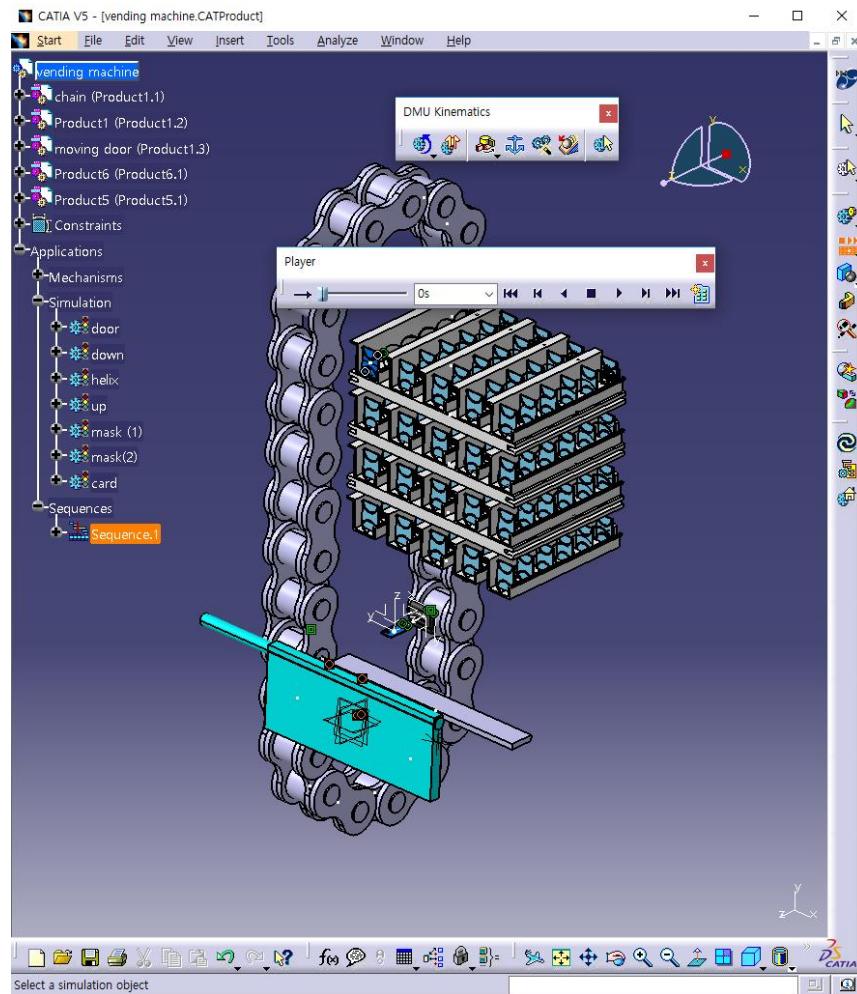
마스크 수령

Door

Revolute



# Simulation

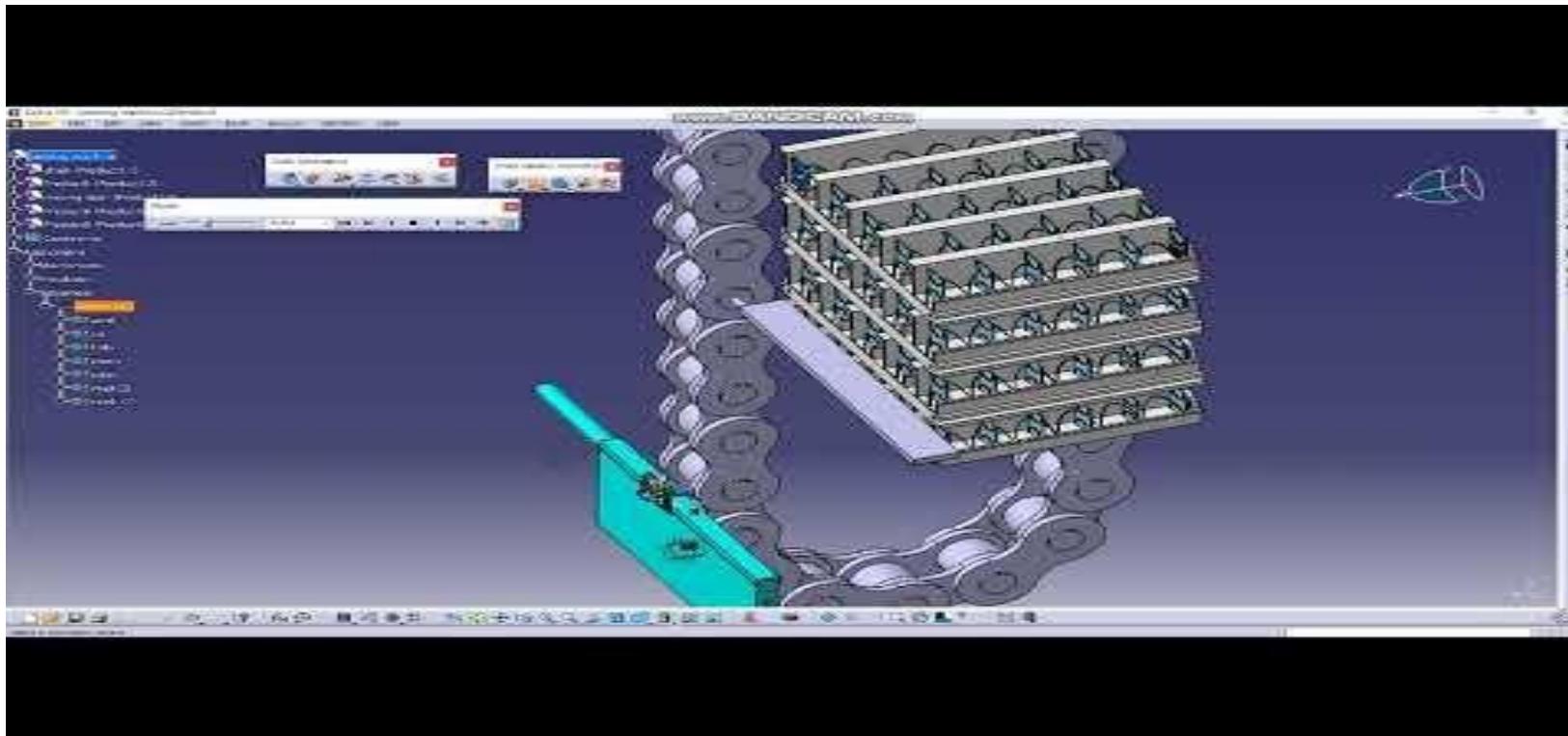


The 'Edit Sequence' dialog box is open, showing a timeline of actions for a sequence. The left panel shows the 'Action in session' list: 'door down', 'helix up', 'mask (1)', 'mask(2)', and 'card'. The right panel shows the 'Action in Sequence' table:

Step	Action	Duration (s)	Delay (s)
1	card	6	0
2	up	12	3
3	helix	4	2
3	mask (1)	4	3

Below the table are buttons for 'Move Up', 'Move Down', 'Action duration (s) 6', 'Reset duration', 'Action delay (s) 0', and checkboxes for 'Create last step and add', 'Add in last step', 'Iterative create last step and add', and 'Highlight the simulated action(s)'. At the bottom are 'OK' and 'Cancel' buttons.

# Simulation



출처 : [마스크 착용으로 건강을 지키세요], 유튜브 비디오, 0:25, KBS SONG

<https://www.youtube.com/watch?v=KVdQtjN0wd0>

# Q&A