

2019 CAD PROJECT

3D PRINTER

3D 업종

2014012742 최성원

2012012372 최은영



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1. 주제 선정 동기

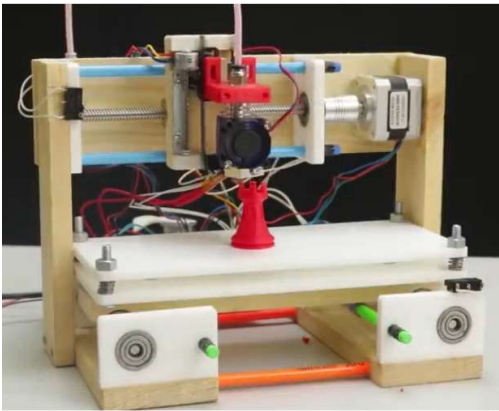
2. 설계 과정

3. DMU Kinematics

4. Q&A



1 주제 선정 동기



1) X,Y,Z축 이동으로 다양한 DMU kinematics 적용

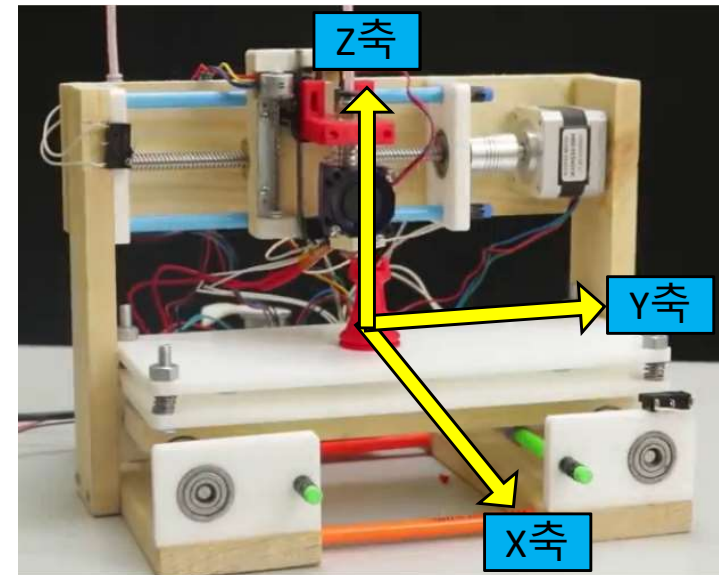
2) 이론 시간에 배운 3D 프린터를 구현

3) 비용절감을 위해 "NASA"가 우주에서 사용할 3D 프린터 개발 중

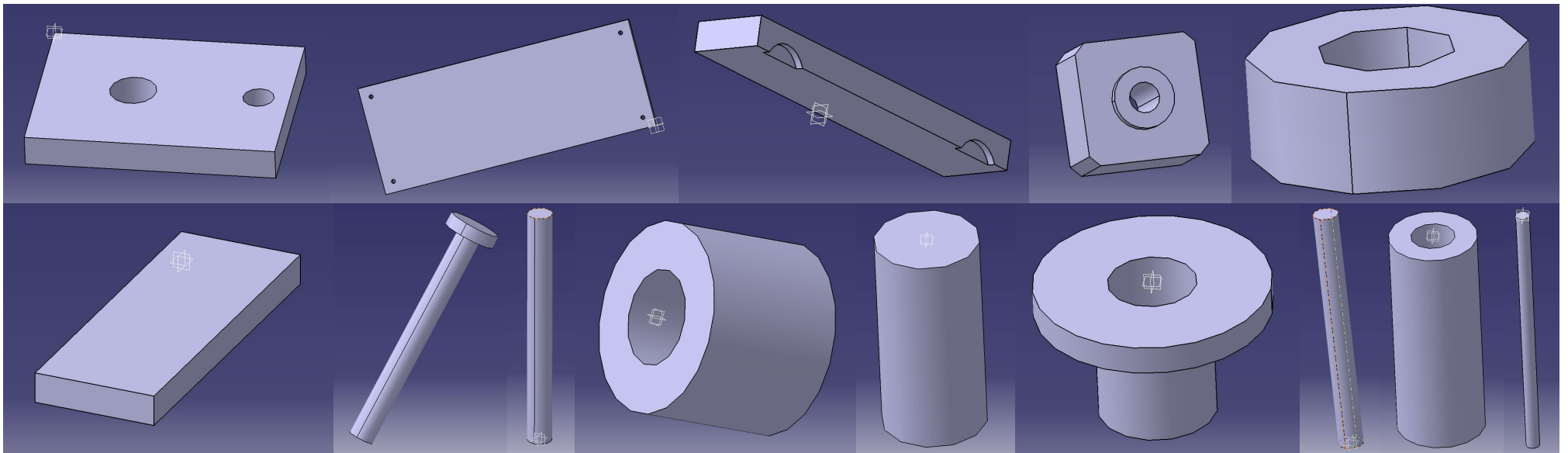


2 설계 과정

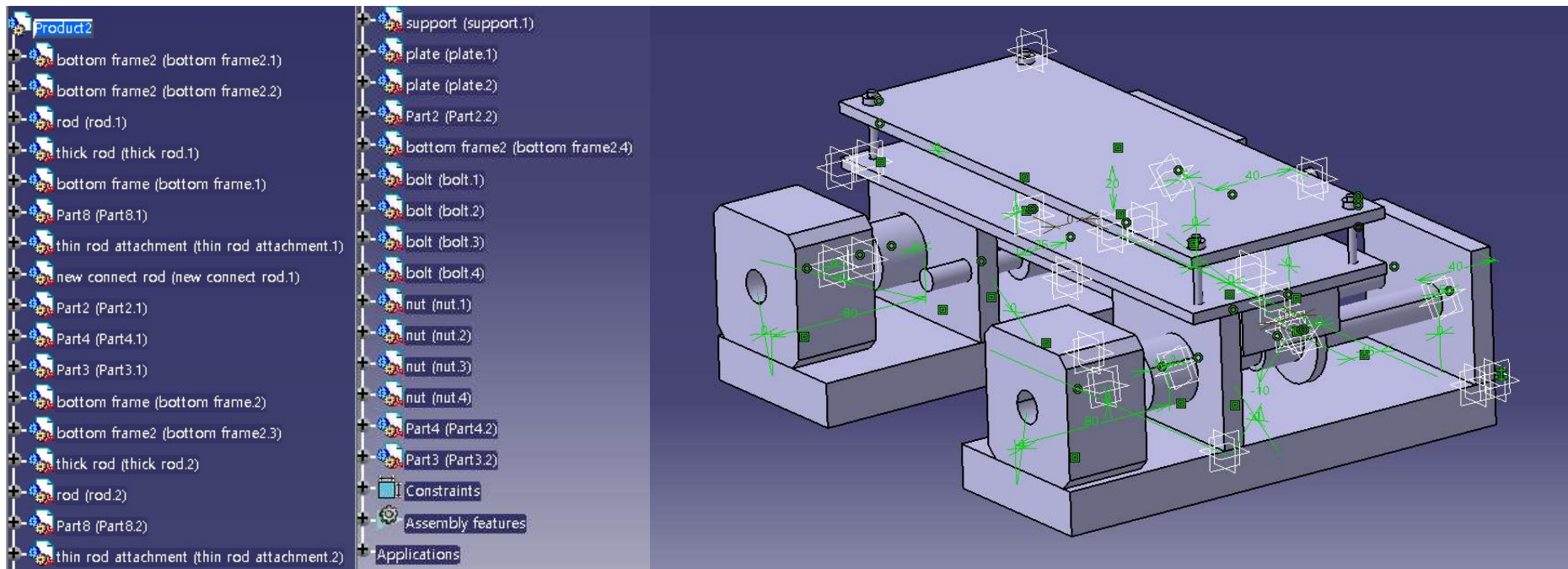
- 1) X축 움직임을 담당하는 부분 부품 설계 및 조립
- 2) Y축 움직임을 담당하는 부분 부품 설계 및 조립
- 3) Z축 움직임을 담당하는 부분 부품 설계 및 조립
- 4) 전체 조립



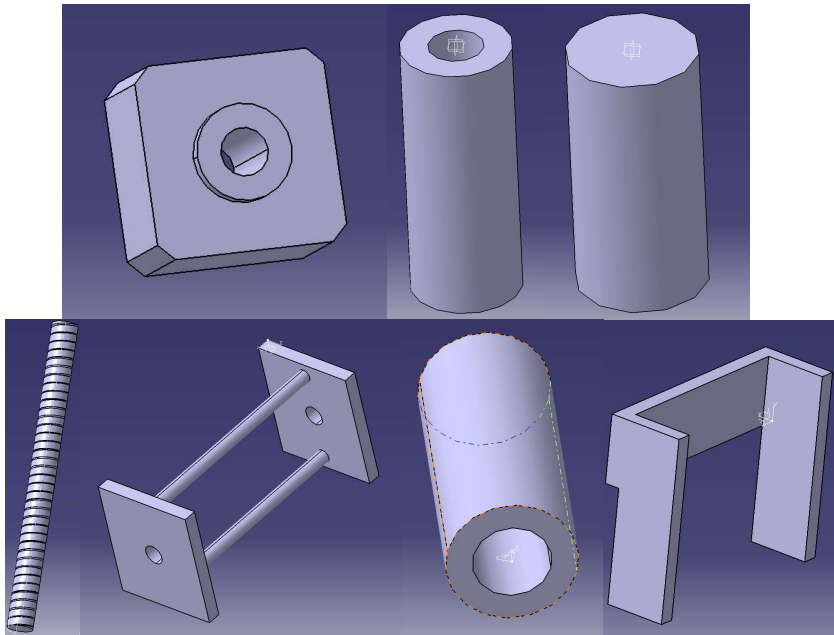
X축 부품 설계



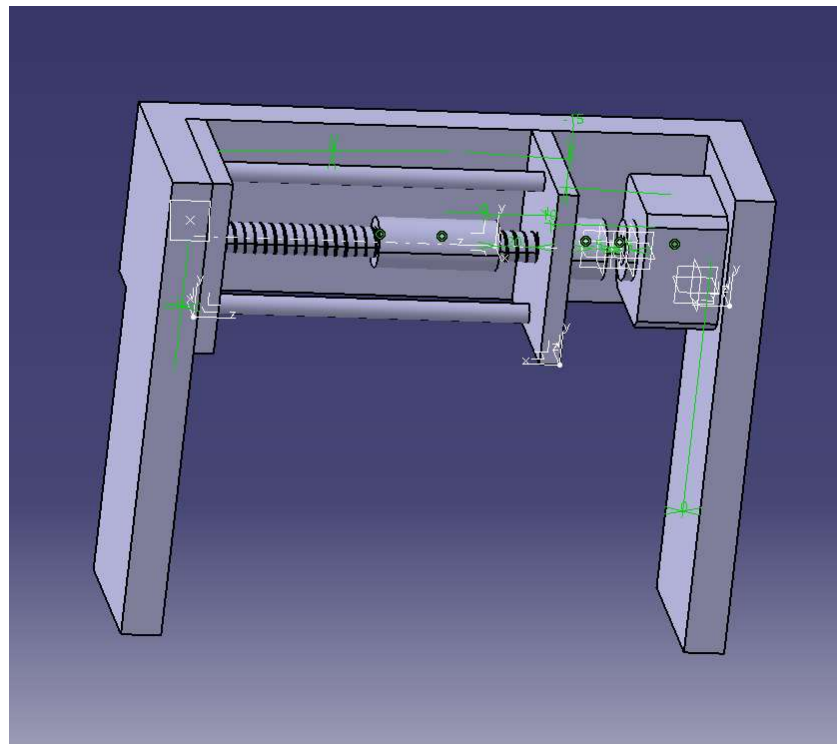
X축 조립



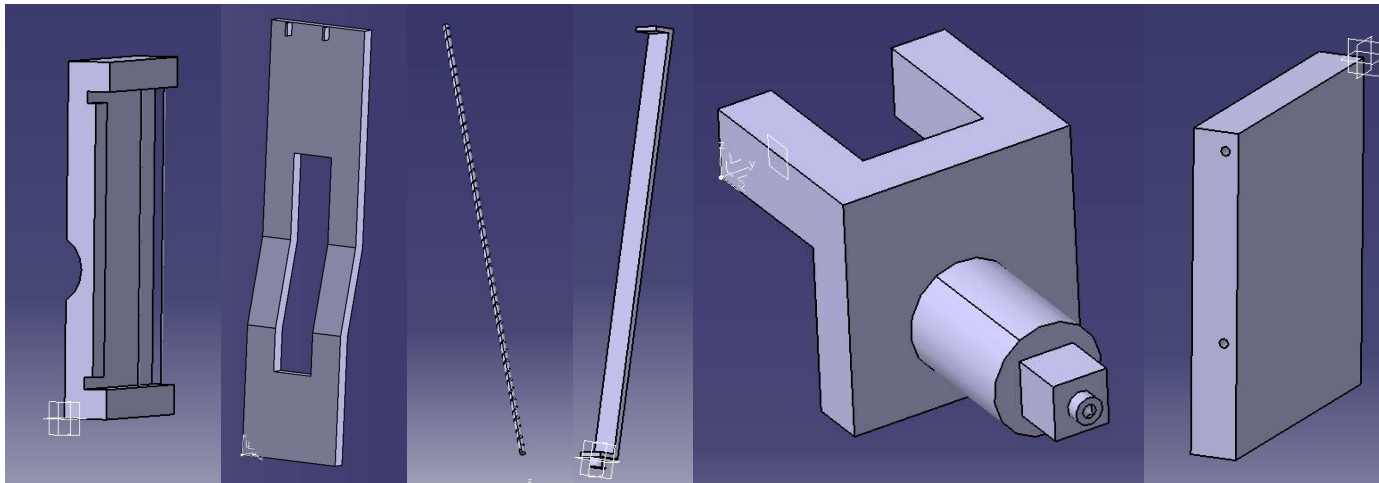
Y축 부품 설계



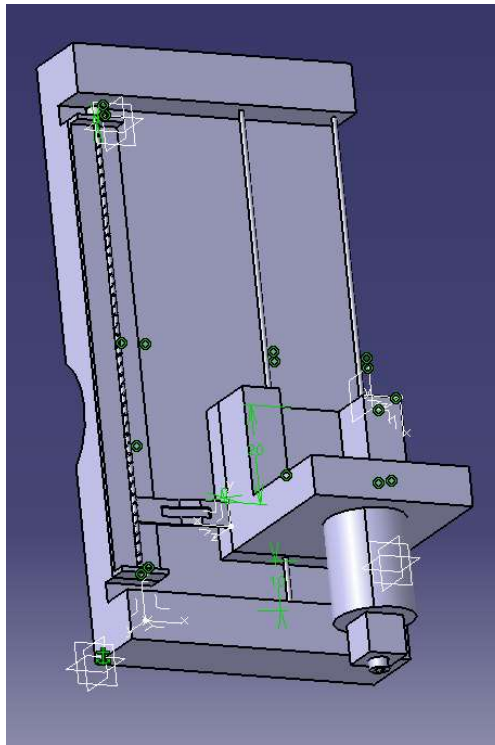
Y축 조립



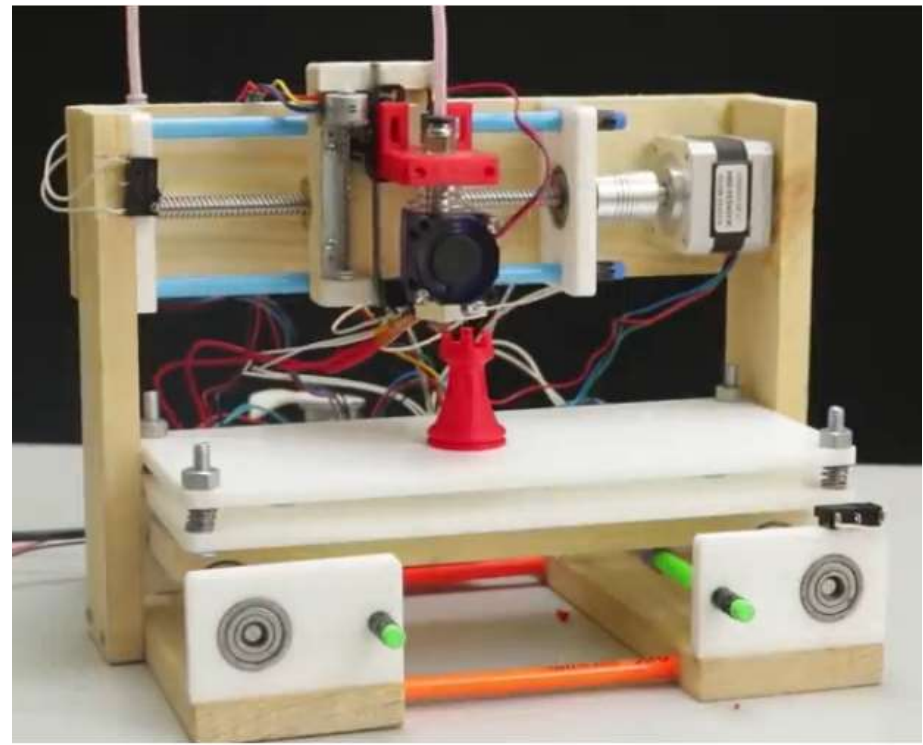
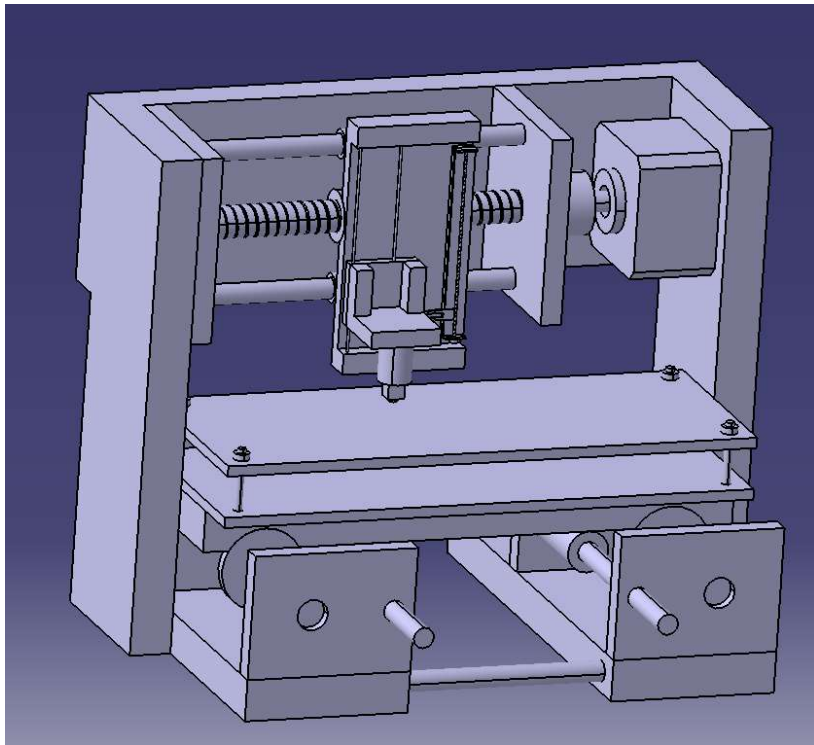
Z축 부품 설계



Z축 조립



전체 조립

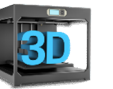


3. DMU Kinematics

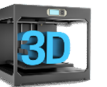
<https://www.youtube.com/watch?v=oQh4qUtVIYs>



Q&A



Thank you



출처

<https://www.youtube.com/watch?v=x5X6Gp-XMEs>