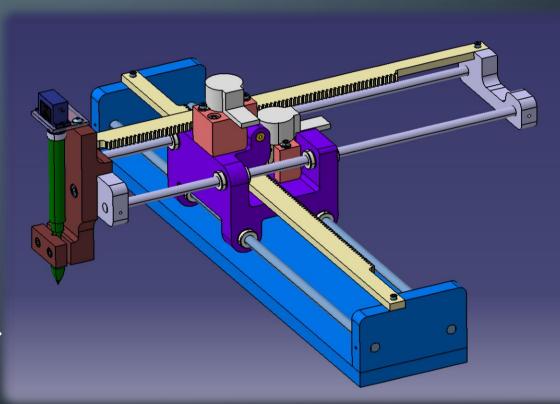


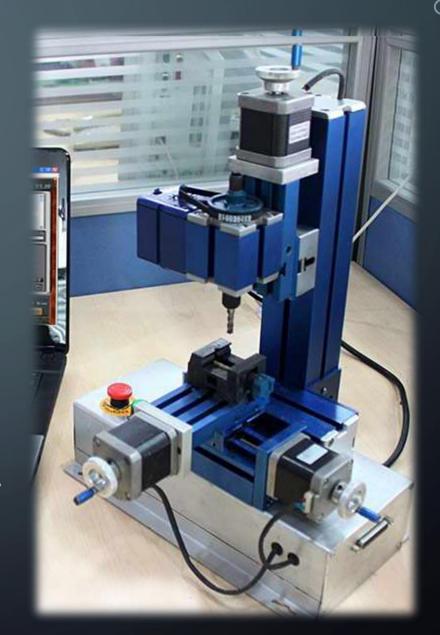
INTRODUCTION

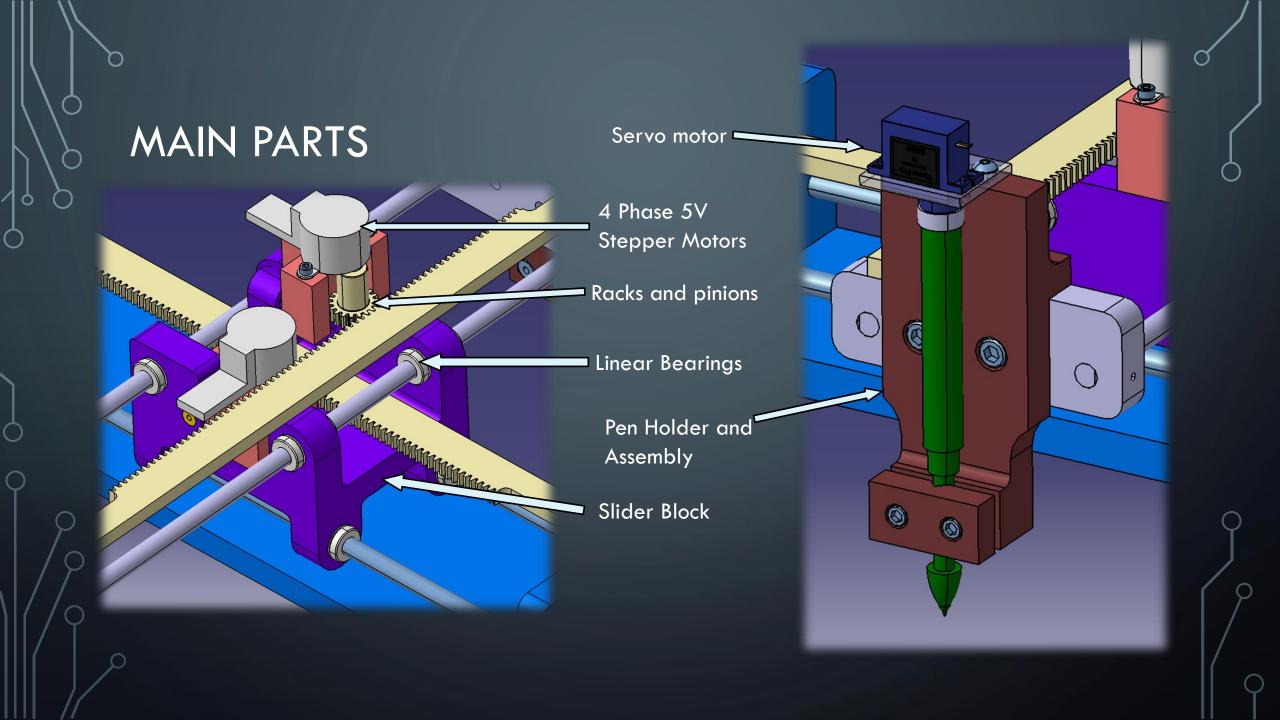
- Project designed and modeled in CATIA.
- CNC Plotter A handy machine to draw.
- Controlled by CNC programs generated by Mastercam.
- Arduino based actuators controlled.
- Easy to manufacture and replaceable parts.
- X, Y and Z Motors to draw on Letter size paper.
- Fine level of details in point of manufacturing and assembly

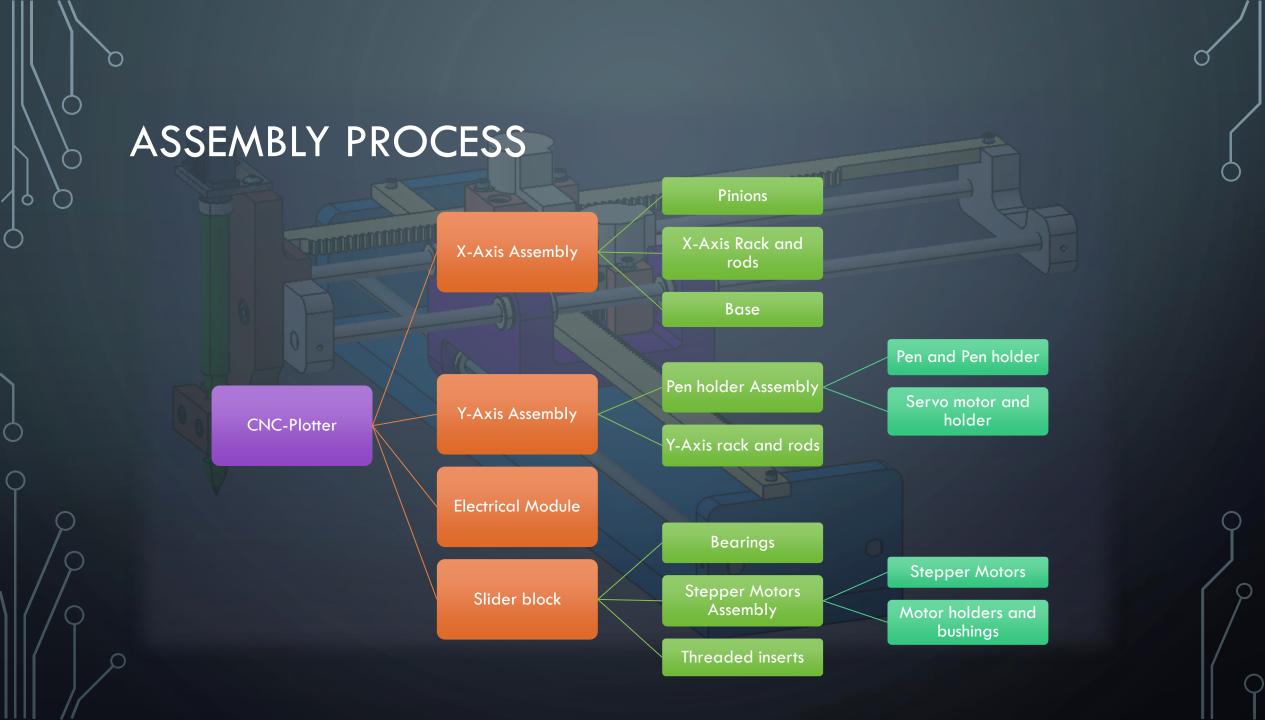


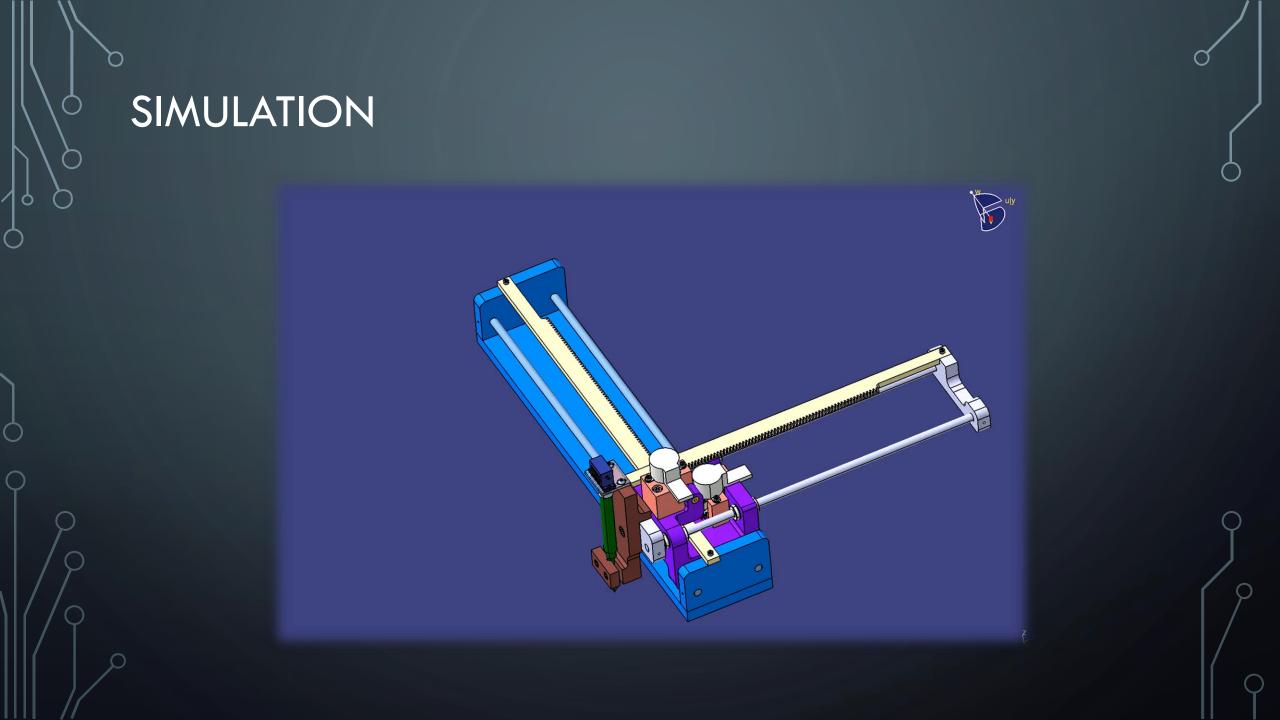
INSPIRATION

- Combination of mechanical and electrical spheres
 as a small robot.
- Creative and useable at some point
- Project- based learning in fields of 3D modeling, drafting, simulation, advanced manufacturing processed and programming.
- Medium scale projects helps building up strong base for large projects.

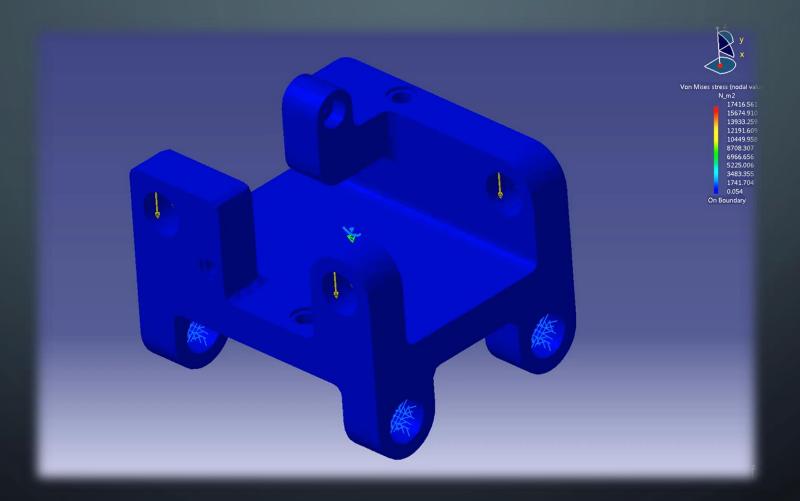






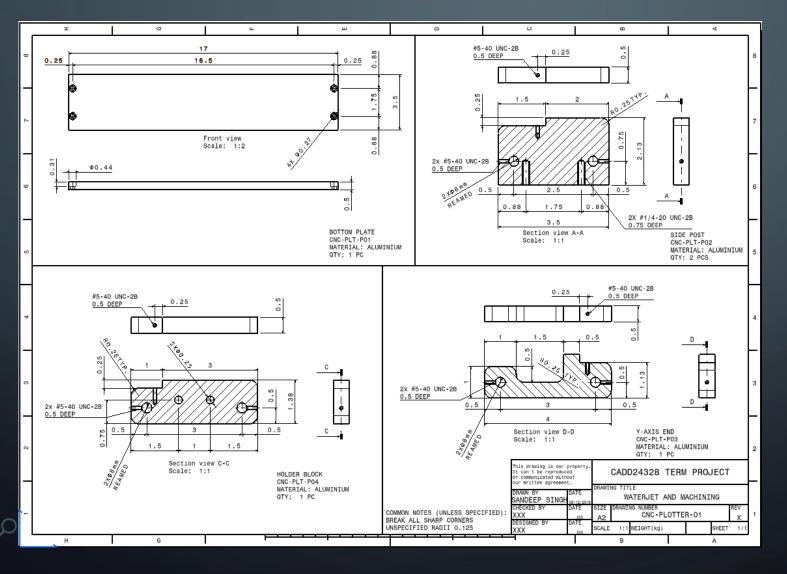


FEA STRESS ANALYSIS OF SLIDER BLOCK



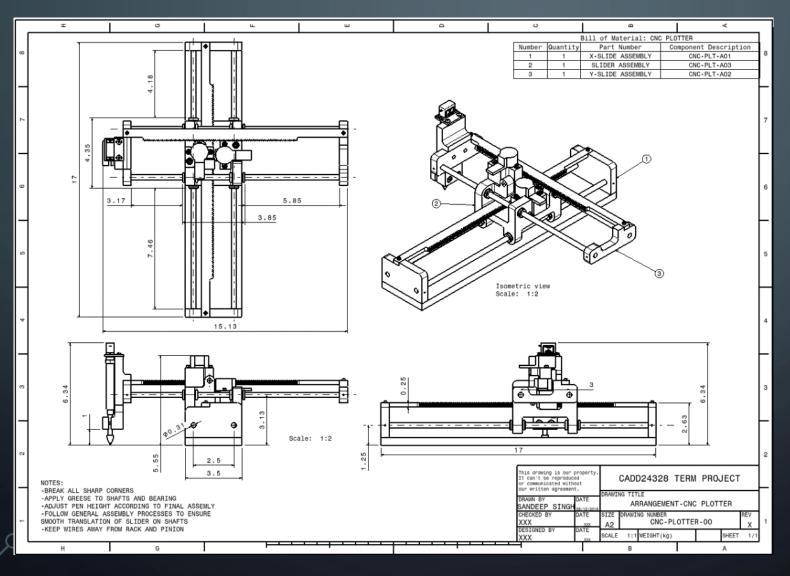
Report Link

DETAILED DRAWINGS



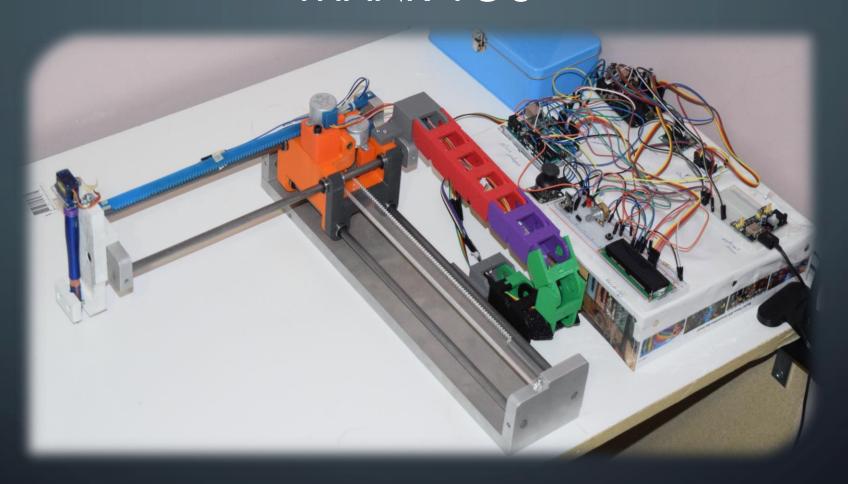
- Detail drawings donated as "CNC-PLOTTER-xx"
- Detailed parts donated as "CNC-PLT-Pxx"
- Different drawings according to manufacturing processes – Waterjet, Laser Cutting, and 3D printing

ASSEMBLY DRAWING



- Assemblies donated as "CNC-PLOTTER-Axx"
- Separate drawings for Sub- Assemblies
- Bill of materials contains part numbers
- Notes for specific assembly instructions

THANK YOU



Please feel free to ask questions