

## **Session report 12**

During this session I first recovered a 3D printing I launched the day before. I had to remove the numerous supports and while removing them I found out that there was a way better way that would evolve was less supports. Because the actual problem was that it was hard nearly to remove the supports, I talked about in the last session report.

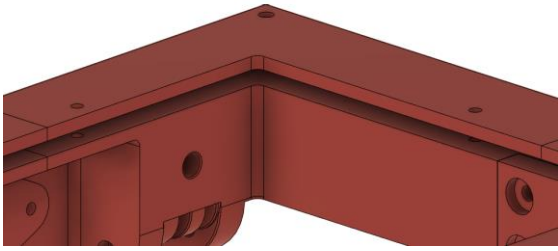
I still could test a lot of other parts and assemble the 3D print and other piece to have a good overview on the result as we can see on the image bellow (in black the parts that were printed during the night).



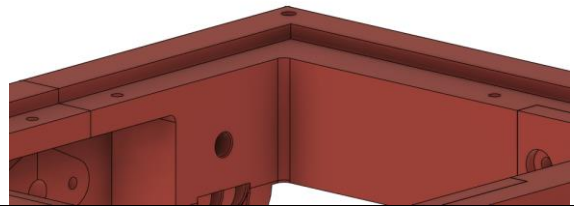
To fix the support problem I had to change the way the Plexi would hold the 3D printed parts together, instead of going into a U-shaped space, it would simply be screwed under it. But to do so the screws must not exceed the plate so I've did some testing to make sure a countersunk screw would make a flat surface.

After getting good results on the test before I started changing the 3D model, I had which took me a long time because it modified the base structure of the frame.

I finally ended up the model we can see in the comparison right under.



Before: the plate goes in the U-shaped hole



After: the plate will be at the same height as the edge

These screenshots are from the same part before and after the modifications.