

According to the previous discussion, the medicine box need to be rearrange the space for avoiding the cleaning issue, so the larger one box has been moved to the front end

As for the sub assembly will be explained from the top to bottom by the following pages



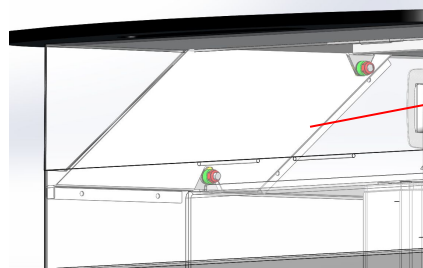
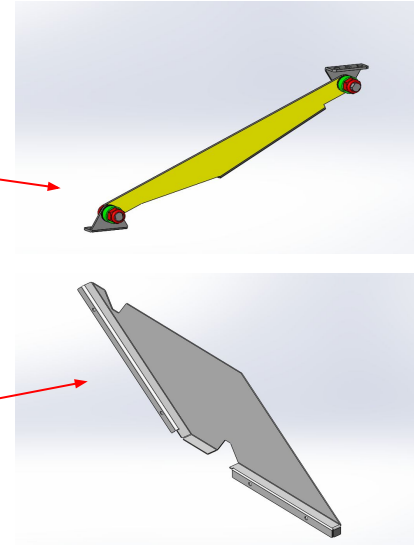
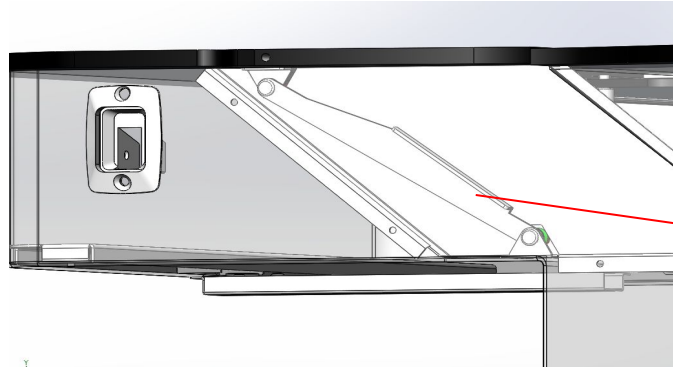
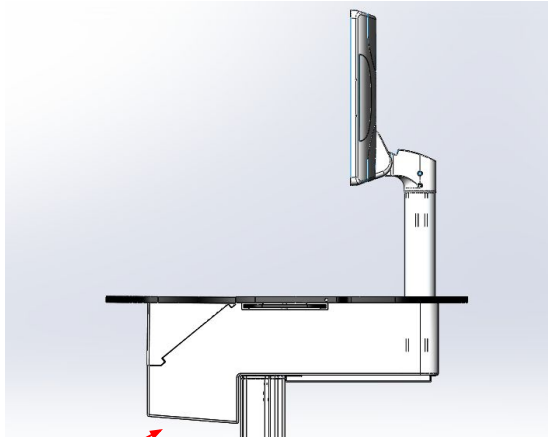
- Opened status



Worktop assembly

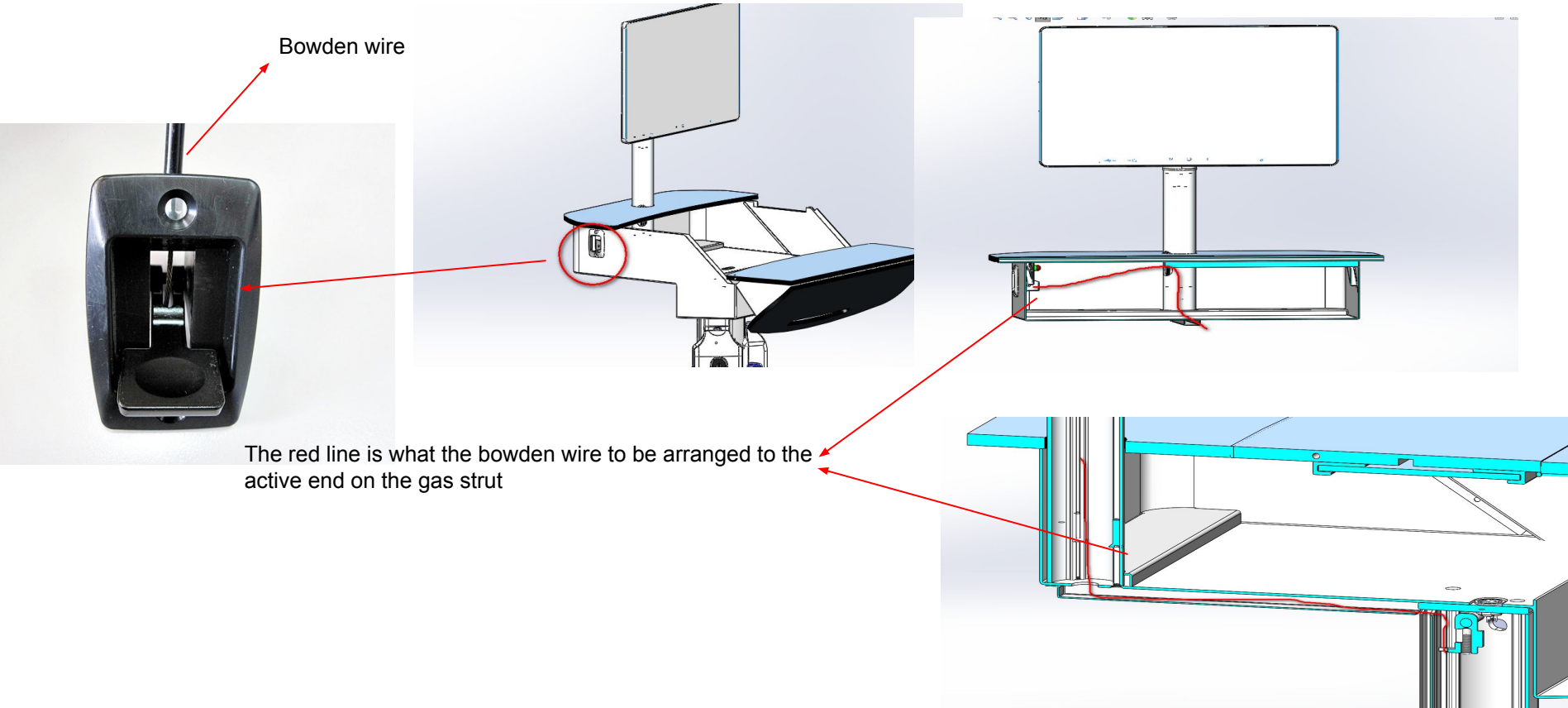
This cart one of the feature is that the worktop can be folded as to a small area for nurse to organized the medicine and when it be placed to the original place, it can be a regular cart to apply the majority usage for the healthcare people,

As the middle one worktop need to be stay level all the time for showing to the customer to know that it can be placed some stuff on middle one, it won't be fallen, so it was be plan to find asymmetry hinge to provide the torque for supporting the worktop, but I have found out a bracket hinge has done like this application, so they can integrated the hinge to the bracket, that might be save some effort to install the bars, and the asymmetry hinge, as for the other axis, it can be connected by the regular door hinge could be fine, here the dynamic simulation video=> <https://www.youtube.com/watch?v=lgfvHQKRar4> (the bracket was be set to outside, that was for you to easily see it how it working, but if we really want to take the bracket, it will be installed to the inner side, as the below picture shown)



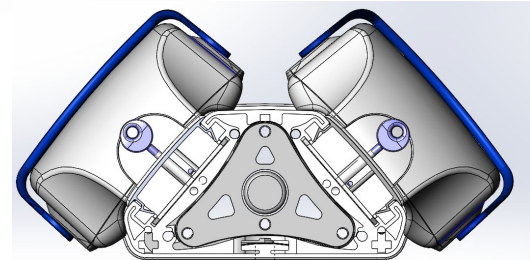
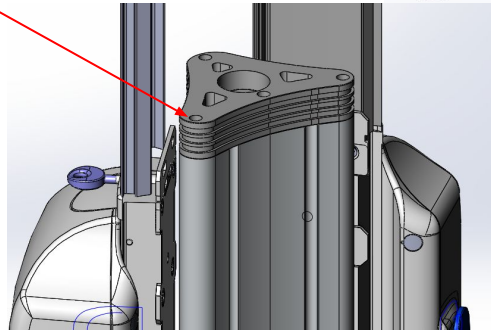
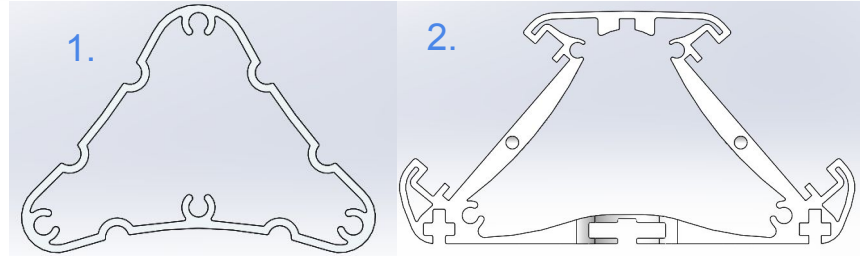
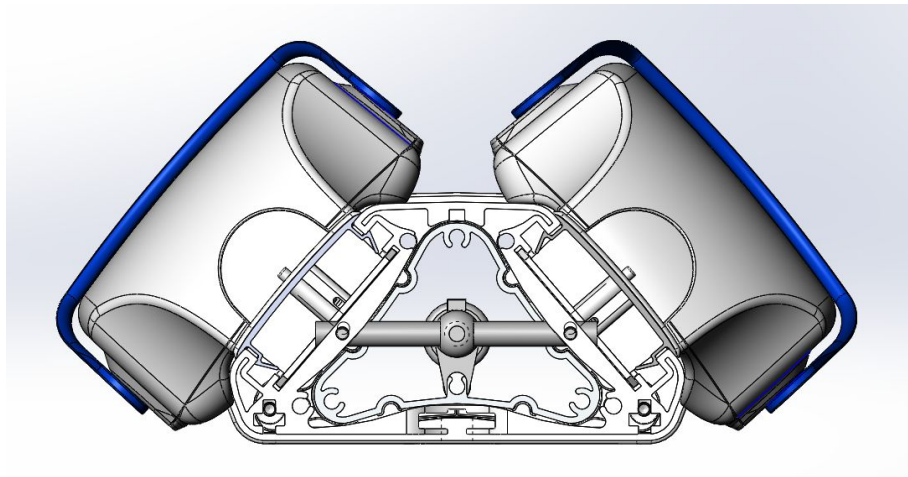
- The user may be slightly hard to reach the inner side, so I think, it could be designed little bit slope, that could make sure the stuff will always for the user to take the stuff easier,

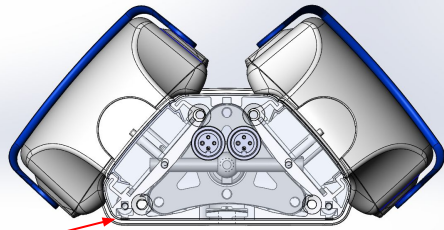
- This medicine cart will be seen the whole inner area, so I have thought to take the bowden wire to as the way to active the gas strut, and that could be no need to design the lever system to transmit the force, and make the inner side as clean as possible. as the below picture shown



Extrusion assembly

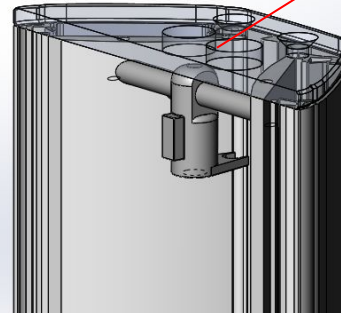
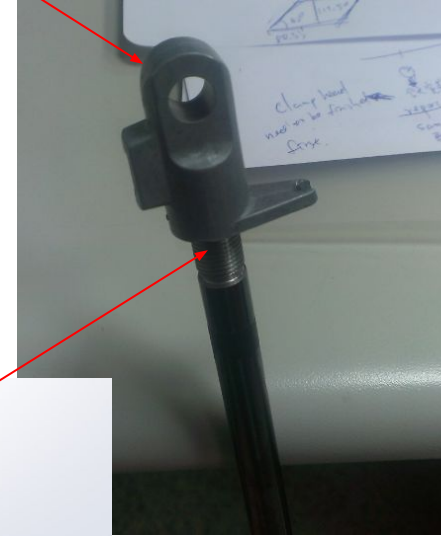
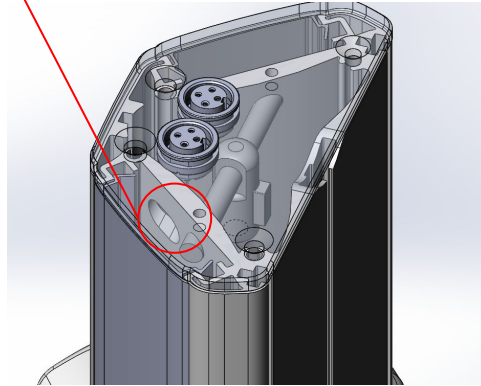
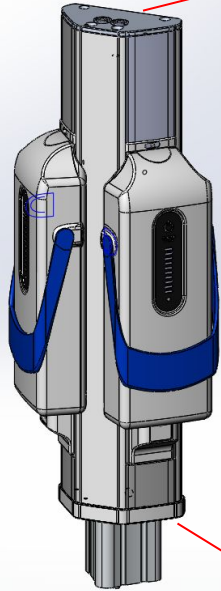
- The inner extrusion => as the picture shown the profile (1.) , it was be set to 4 screw port, and the half moon recession, that was for the Nylon bearing to restrict its stroke,
- The outer extrusion => it almost stay what we have discuss at here, and it just be added the feature for fixing and attach some accessory by the groove on it, as the (2.) picture shown
- Due to the whole the worktop will be lifted up & down along with the outer extrusion, so it may be still need the PA66 block (along with o-ring) on the top to stable its stroke.





This part will be screw with the active end of gas strut, and I have thought to take a 8mm rod through this part and outer extrusion then the whole outer extrusion assembly will be lifted

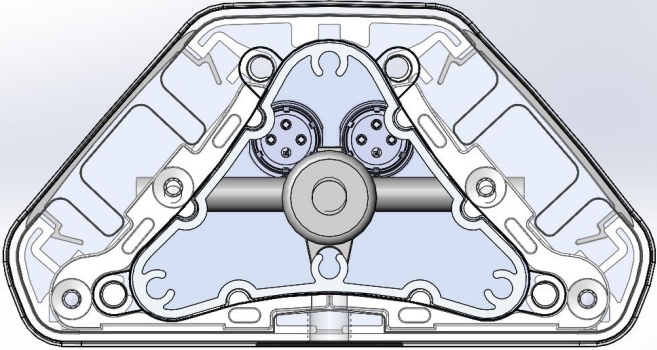
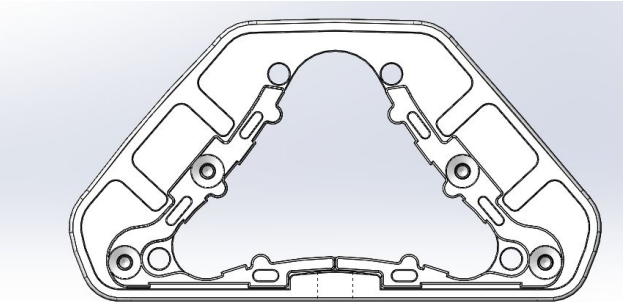
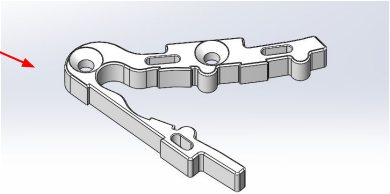
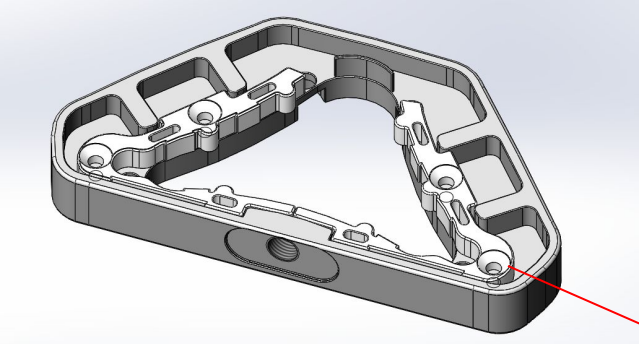
- the battery need to through the cable to joint the connector, so I cut a hole for the wire on mater to joint to the connector

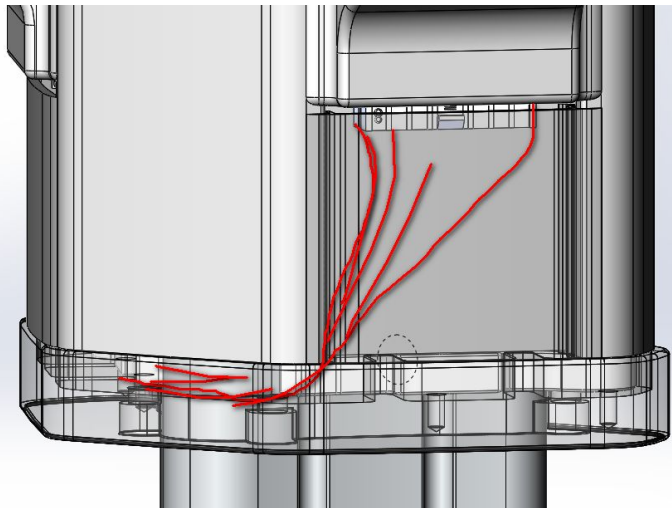


clamp head

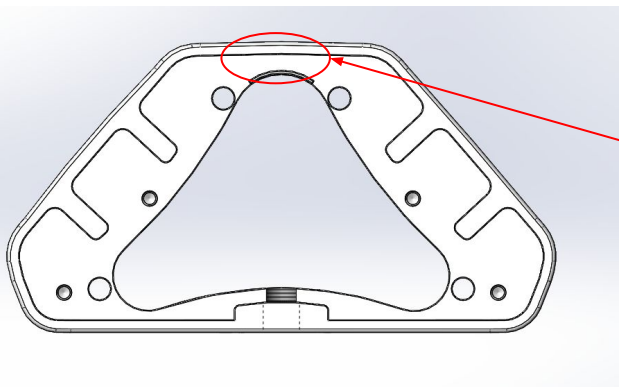
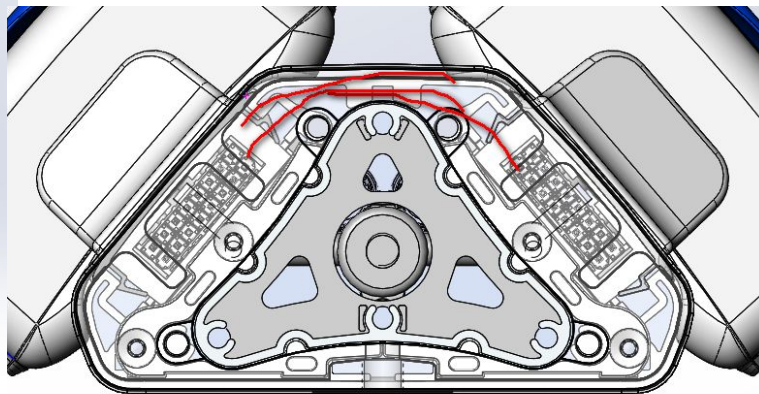
Clamp head assembly

Although you have mentioned that it could be no need the clamp head in this case, but I have thought if the worktop assembly, it will be along with screen and two units battery system, so the gravity center may be higher than the currently cart, so I think, the medicine cart may still need to design a clamp head to stable while it travel, and it still got another good way is that, the wire connect from master to slave could through the clamp head, due to we set the outer extrusion as the moved part, the wire can't through the inner extrusion to the other end, the design as the next page picture shown





These red line is for showing how the wire to through to the clamp head to slave,



- so It could be created a wall to split with the wire and the inner extrusion (as the below picture shown)

