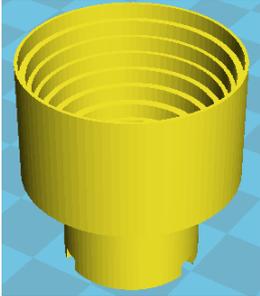
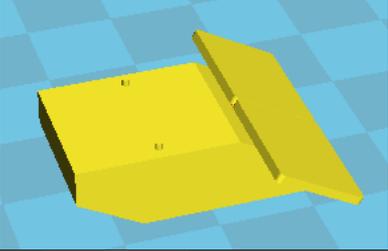
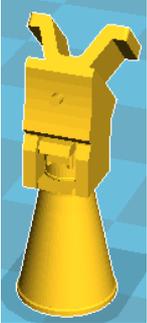
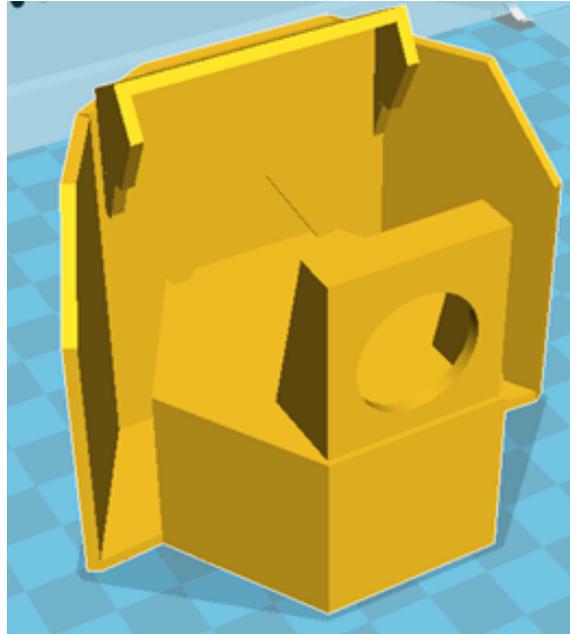


Cheops Model (1:20) Construction Manual

parts:

1x	Spacecraft	
1x	Tube Assembly	
1x	Baffle	
1x	Backpart	
2x	Startracker	

Spacecraft



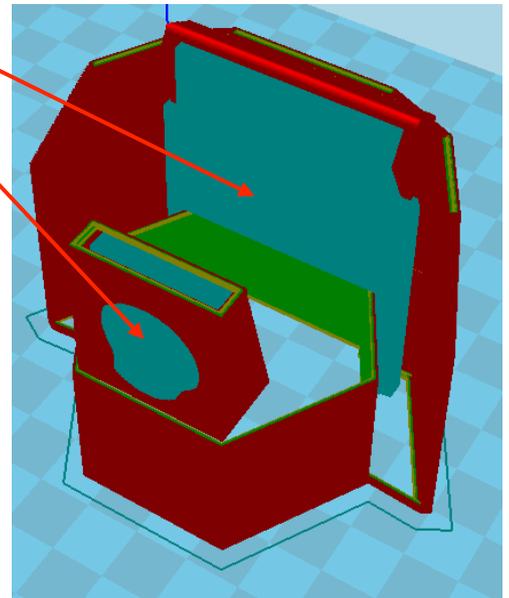
For the «Spacecraft» you need supporting structure, You can choose it from the menu of the 3D program.

Caution: Be sure to switch to expert mode Expertenmodus as the quick print mode doesn't print the supporting structure!

This is an image of the menu of the 3D printing software CURA.

Stützmaterial

Art des Stützmaterials	überall	▼	...
Platform Adhäsionstyp	keine	▼	...



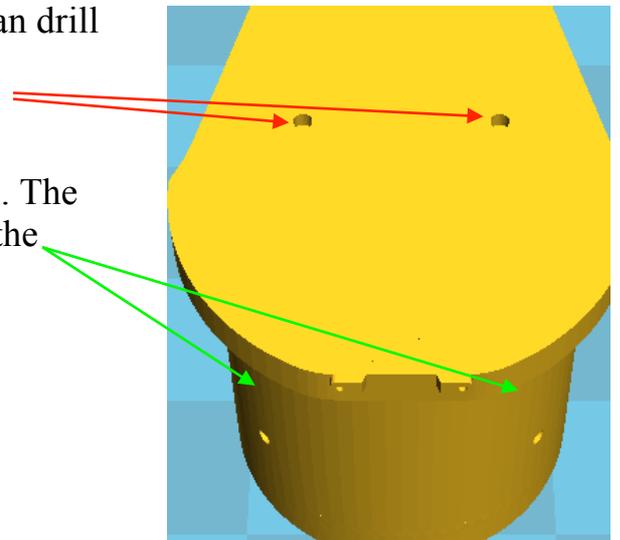
Tube Assembly



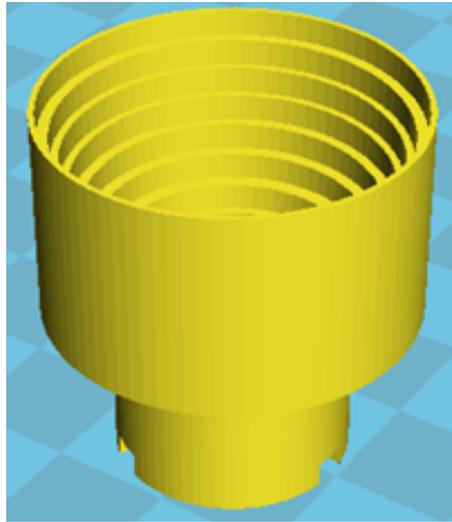
As during the printing of the «Spacecraft» part you also need to print supporting structure when printing the «Tube Assembly». Print the «Tube Assembly» in the position you see on the picture above.

On the back there are two holes cut out. You can drill them a little bit with a knife.

There are two more holes on the lateral surface. The holes are needed to attach the «Backpart» and the «Startrackers».



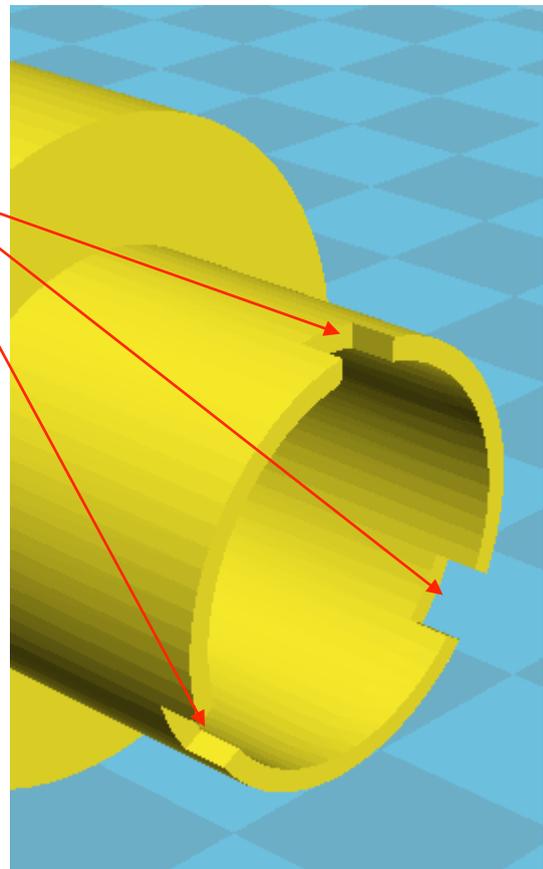
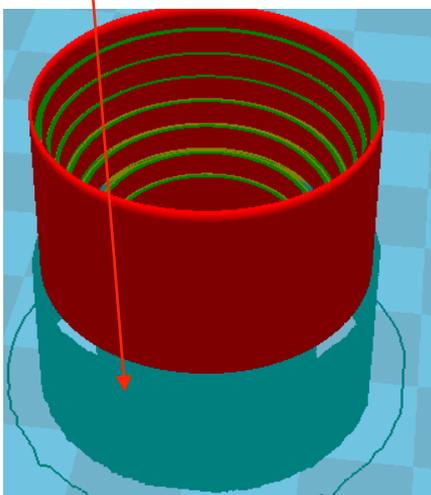
Baffle



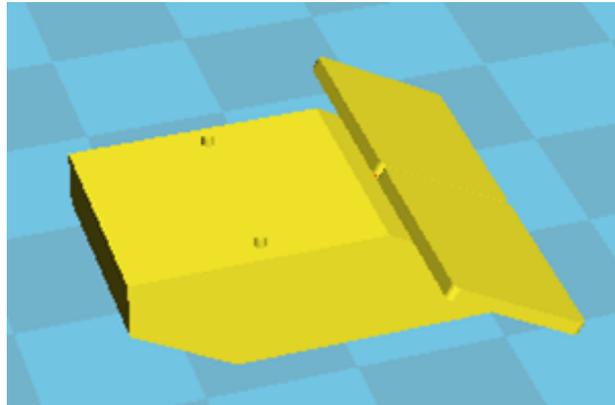
You also need supporting structures when you print the «Baffle». Print the «Baffle» in the position you see on the picture above.

These three incisions are required to connect the «Baffle» with the «Tube Assembly».

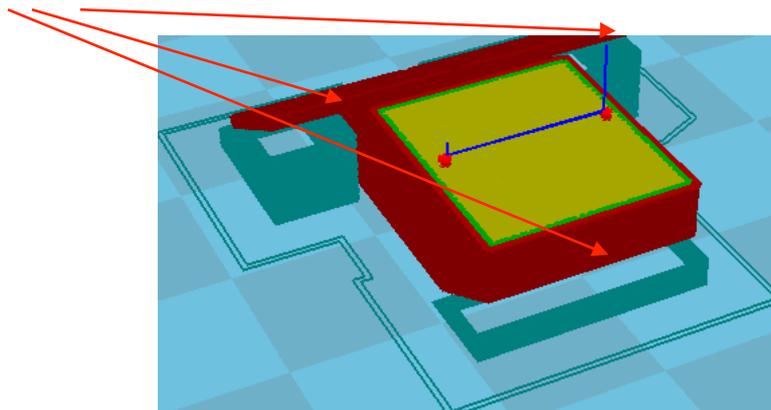
Supporting structure



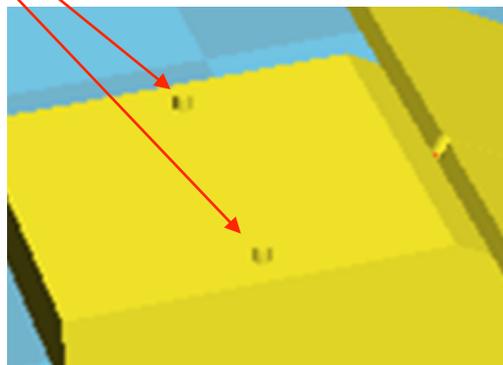
Backpart



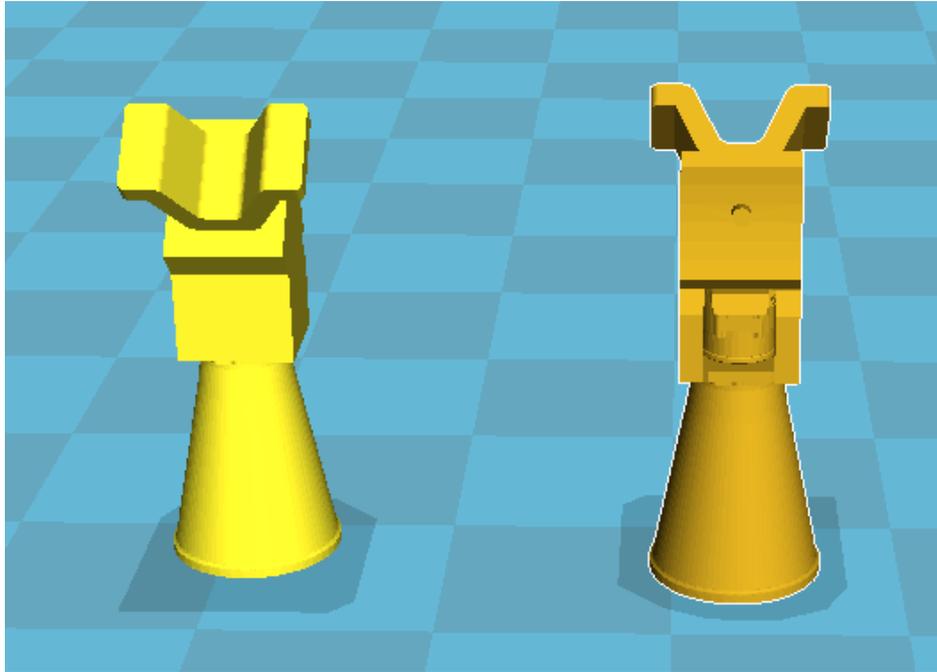
Print the «Backpart» in the position you see on the picture above. Use supporting structure.



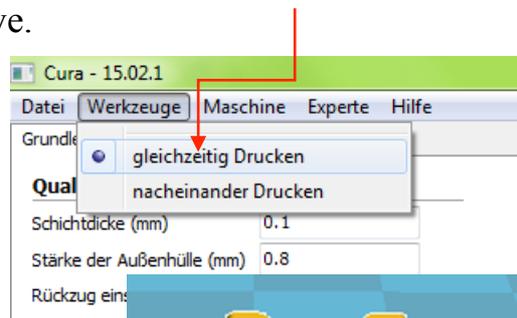
The «Backpart» is aligned and connected to the «Tube Assembly» through two small connectors.



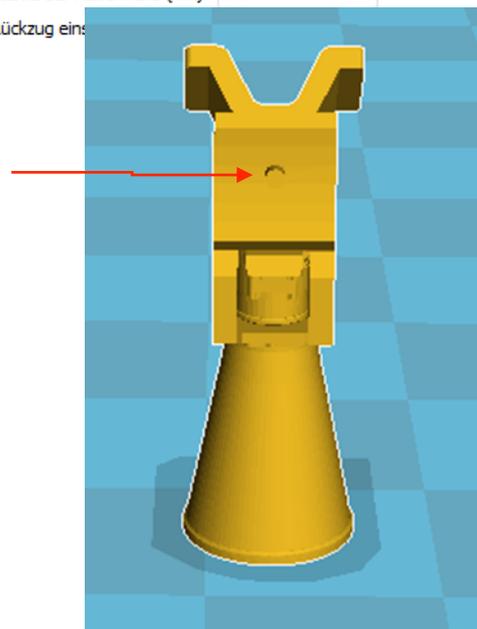
Startracker



You can print both «Startrackers» together. Just choose the right settings! Same working position as shown on the picture above.

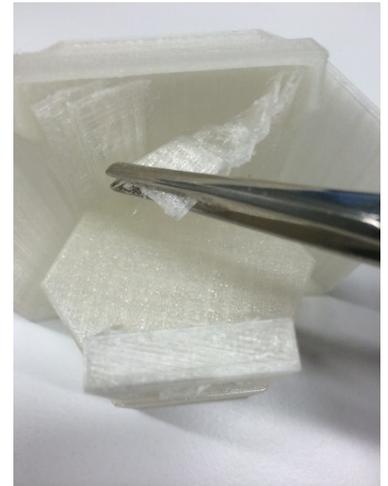


The «Startracker» have also a small connector to connect it with the «Tube Assembly».

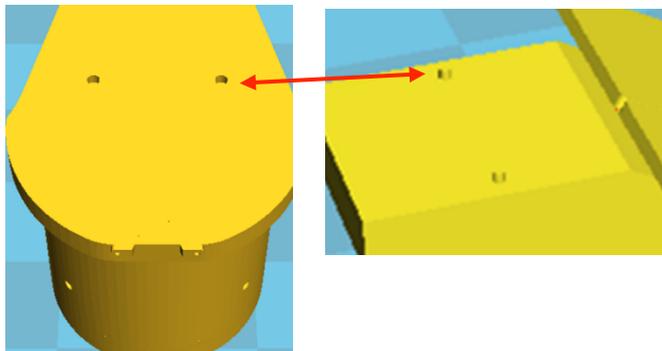


Assembly

First carefully remove the supporting structure using tweezers. You also can use a sharp knife. Then use glue to put the model together.

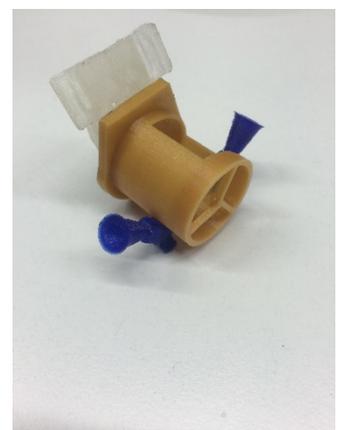
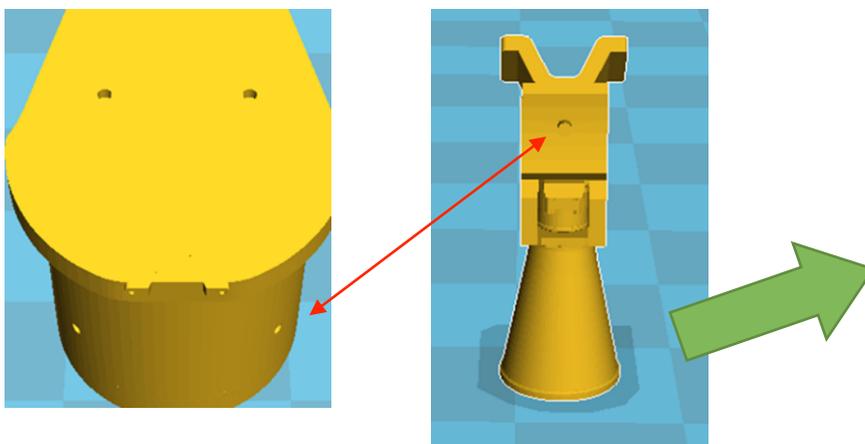


1.

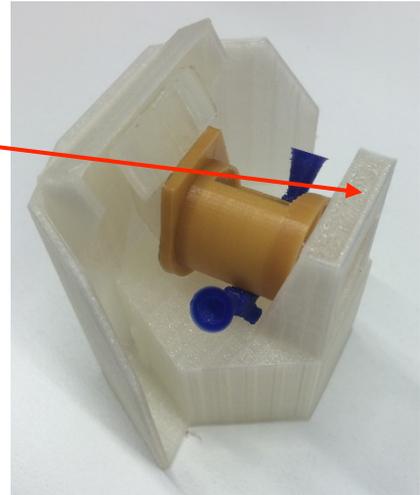


Maybe there's repair work necessary if two parts don't fit together perfectly. Ideally the pieces are glued together.

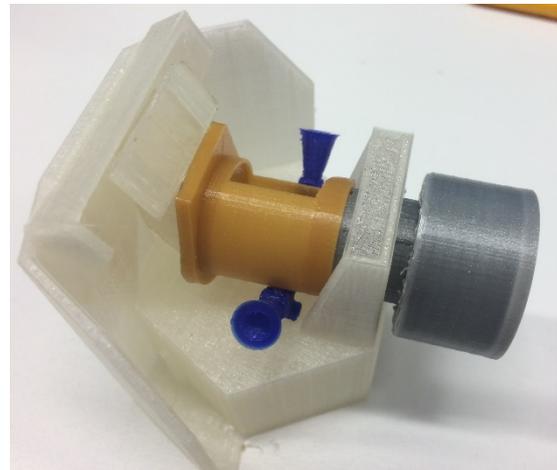
2.



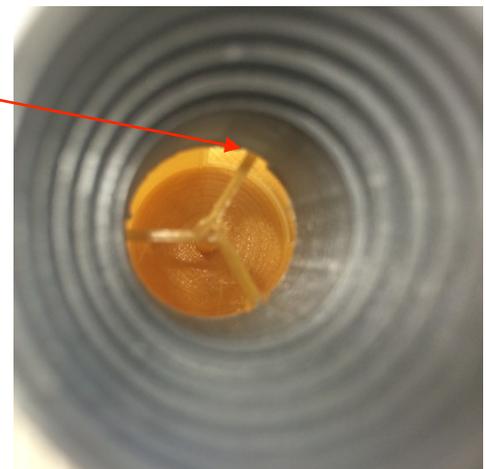
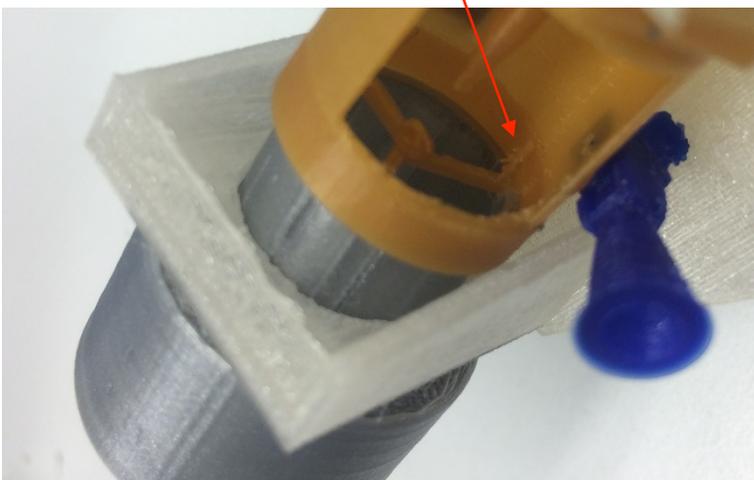
3. You may also need to do some repair work on the «Spacecraft» part to make fit the «Buffel» part.



4. You can now put the «Buffel» into the «Spacecraft» and press it together with the «Tube Assembly». You now can glue it together.



The incisions of the «Buffel» stick together with the «Tube Assembly».



Your model is complete!

