



digital modelling

the model for this investigation was created in Rhino using a series of splines, piping and boolean operations. the model was then exported as a .Stl file to the 3D printer software.

3d printing

once the model has been created and been exported as an .Stl file, it's uploaded into the Z Corp software, where the model is analyzed section by section to prepare and execute printing.

model excavation

interestingly enough for 3-d printing being the only additive process studied, it has the most tedious subtractive process. removing the model from the powder has to be done with extreme care to avoid breaking yours or someone elses model.

model treatment

after the model has been excavated and all of the excess materials has been removed it is a wise idea to treat the model to a acrylic fixative of some sort to prevent or slow down the erosion of the powdered construction.