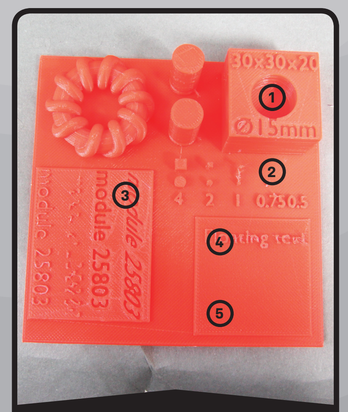
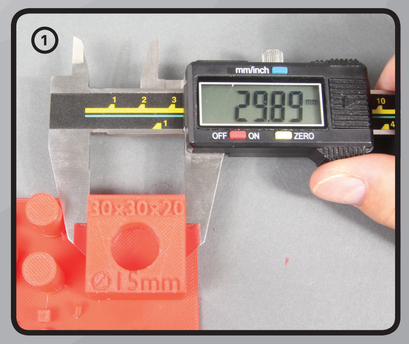
YSOFT BE3D EDEE®

3D OUTPUT TROUBLESHOOTING GUIDE

USE THIS GUIDE TO IMPROVE THE RESULTS OF 3D PRINTOUTS



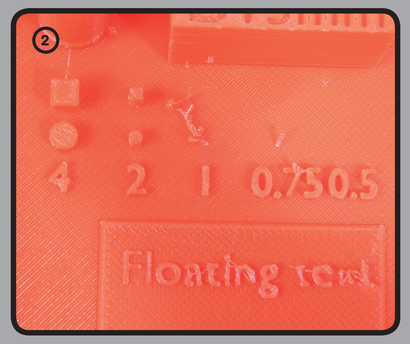
The 3D printout finished, but some of the features did not print as expected.



PROBLEM The dimensions are not accurate.

ISSUE The accuracy of eDee is about 0.1 mm. Also, faster printing and higher layer heights might have a negative effect on the accuracy.

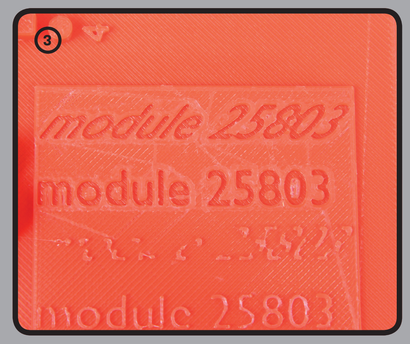
SOLUTION Adjust 3D model for appropriate tolerances; make holes slightly (0.15mm) bigger.



PROBLEM Some details were not printed at all.

ISSUE Details were too small for this technology or the details were modeled incorrectly.

SOLUTION Make the details larger in the 3D model. Alternatively print the model larger (in parts).



PROBLEM Text was only partially printed.

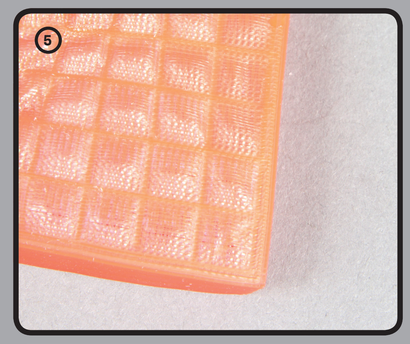
ISSUE The thickness of the text exceeded the limit of what is printable.

SOLUTION Make the text bigger or use a different font. Debossed text usually prints better than embossed text.

PROBLEM Some details are not connected to the main 3D model.

ISSUE Parts of the 3D model were not connected to the rest.

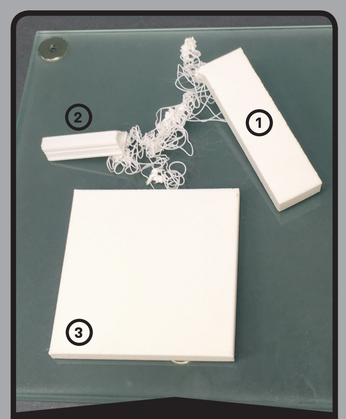
SOLUTION Connect the details properly to the main part of the 3D model.



PROBLEM There are bubbles and holes on the top of the 3D model.

ISSUE There were not enough top solid layers.

SOLUTION Add top layers in DeeControl; print with more infill.

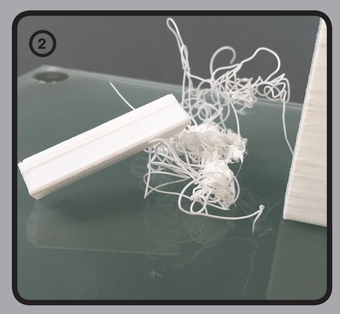


The 3D printout started well but after a while, it failed.

PROBLEM The 3D model is knocked over or moved on the print bed.

ISSUE The model separated from the print bed and was knocked over.

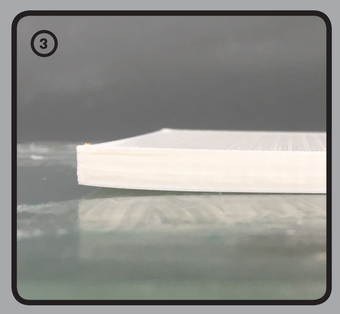
SOLUTION Prepare the print bed carefully and use a brim support.



PROBLEM The support for the 3D print fell over.

ISSUE The support for the 3D model was too thin and tall and got knocked over.

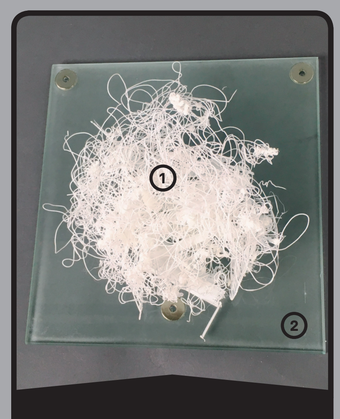
SOLUTION Increase the support density or use a different support pattern (such as a grid).



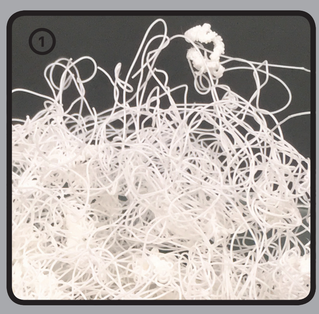
PROBLEM The base of the model is warped.

ISSUE The bed was not correctly prepared or the distance between the nozzle and the print bed (offset) is too big.

SOLUTION Prepare the print bed carefully. Ensure the glass is clean and a thin film of glue is applied. If this does not help, contact admin about the nozzle offset.



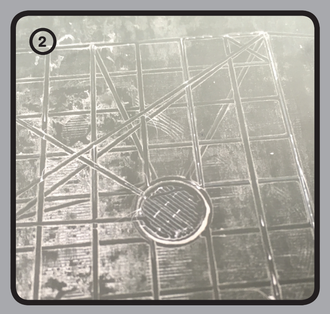
The 3D printout is messy with no model formed at all.



PROBLEM Messy output with no formed model.

ISSUE The bed was not prepared properly or the model did not have any contact with the print bed.

SOLUTION Prepare the print bed carefully. Use clean glass and a thin film of glue. In DeeControl, check if the model has enough contact with the build plate. If not, use raft and/or supports.



PROBLEM There are only grooves in the glue and no model.

ISSUE There is too much glue on the print bed.

SOLUTION Prepare the print bed carefully. Use clean glass and a thin film of glue.

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