

Workshops 01: Preparing the Model

SOURCE:

<https://support.zortrax.com/post-processing-workshops-01/>

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Preparations in the Z-SUITE

The work on the headphones and the headphone stand has to start in the Z-SUITE with some basic preparations. The folder with all the .stl files is available for download at: [headphones & headphone stand](#).

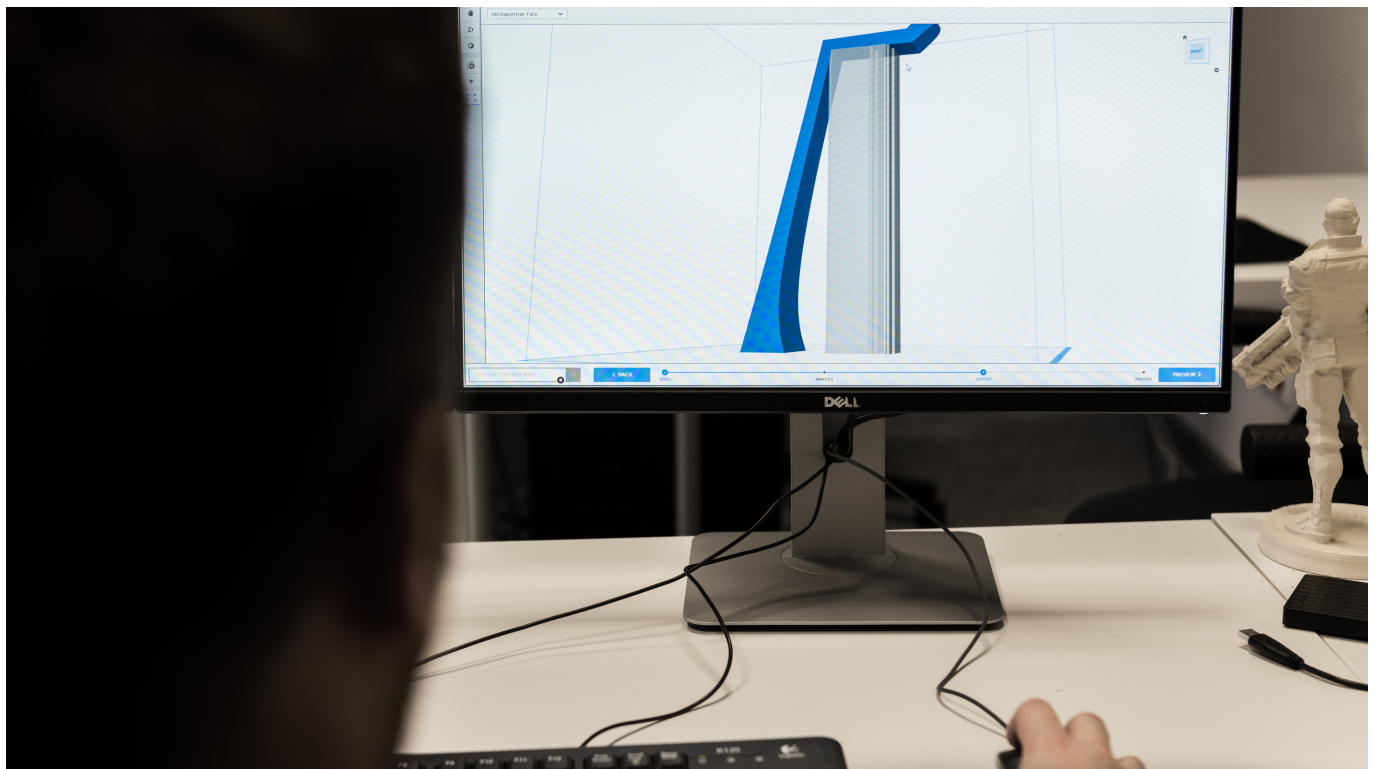
First of all, you have to choose the best arrangement of the models in the workspace. With the right position, you can print the headband with very little support. The same can be done for the earpads when placed horizontally.

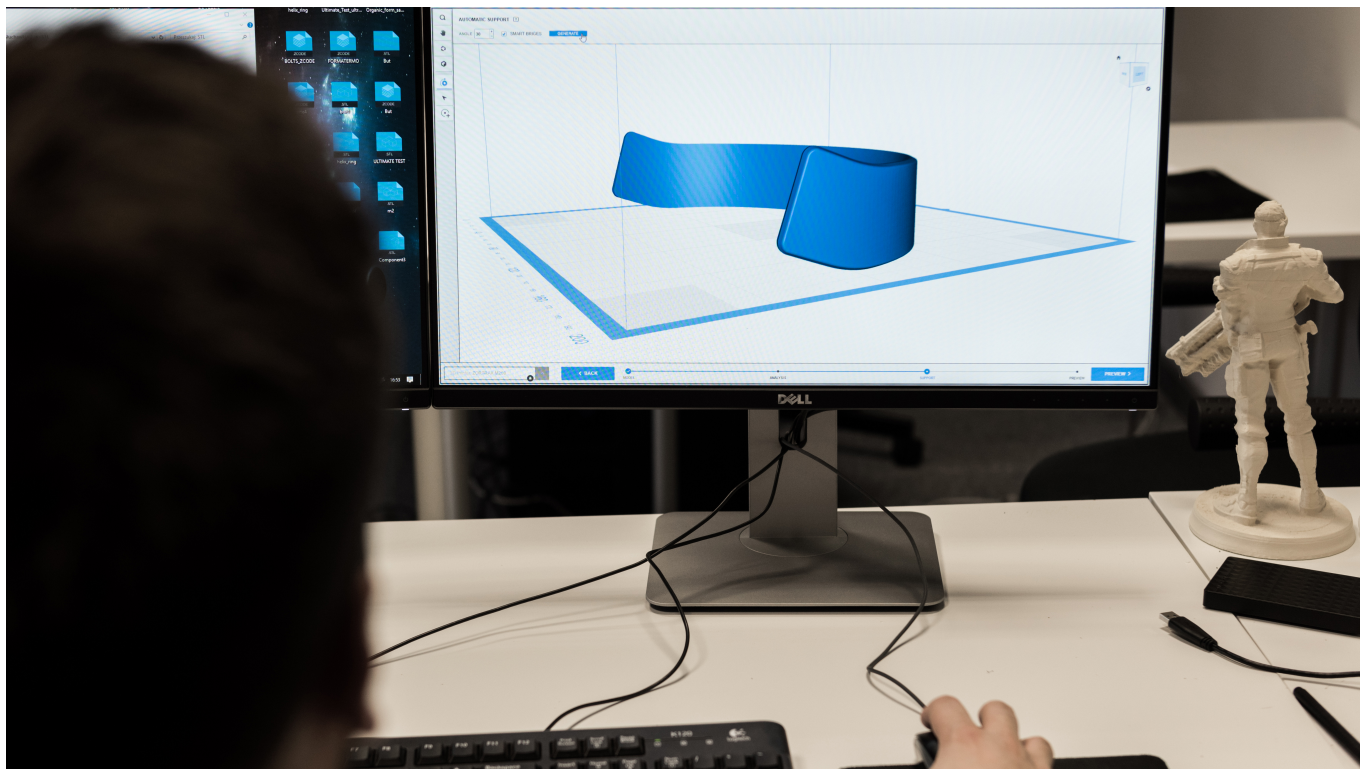
In the Z-SUITE 2.1 you are free to edit the support structures and adjust them to the needs of your model using different modes. Here, we used the Face type to support the headphone stand.

It is highly recommended to use Z-ULTRAT for creating functional objects, such as in this case headphones. It is durable and perfect for various methods of post-processing.

Since there are almost no details on the model, feel free to set the layer thickness to 0.14mm. Choose high quality and set 30 or 50% infill density.

Once your models are prepared, it's time to begin the printing.





Necessary Tools



To remove the support structures from all the models, use the pliers and the scalpel provided in the Starter Kit.

Remember to always wear safety gloves to avoid cuts and scratches.

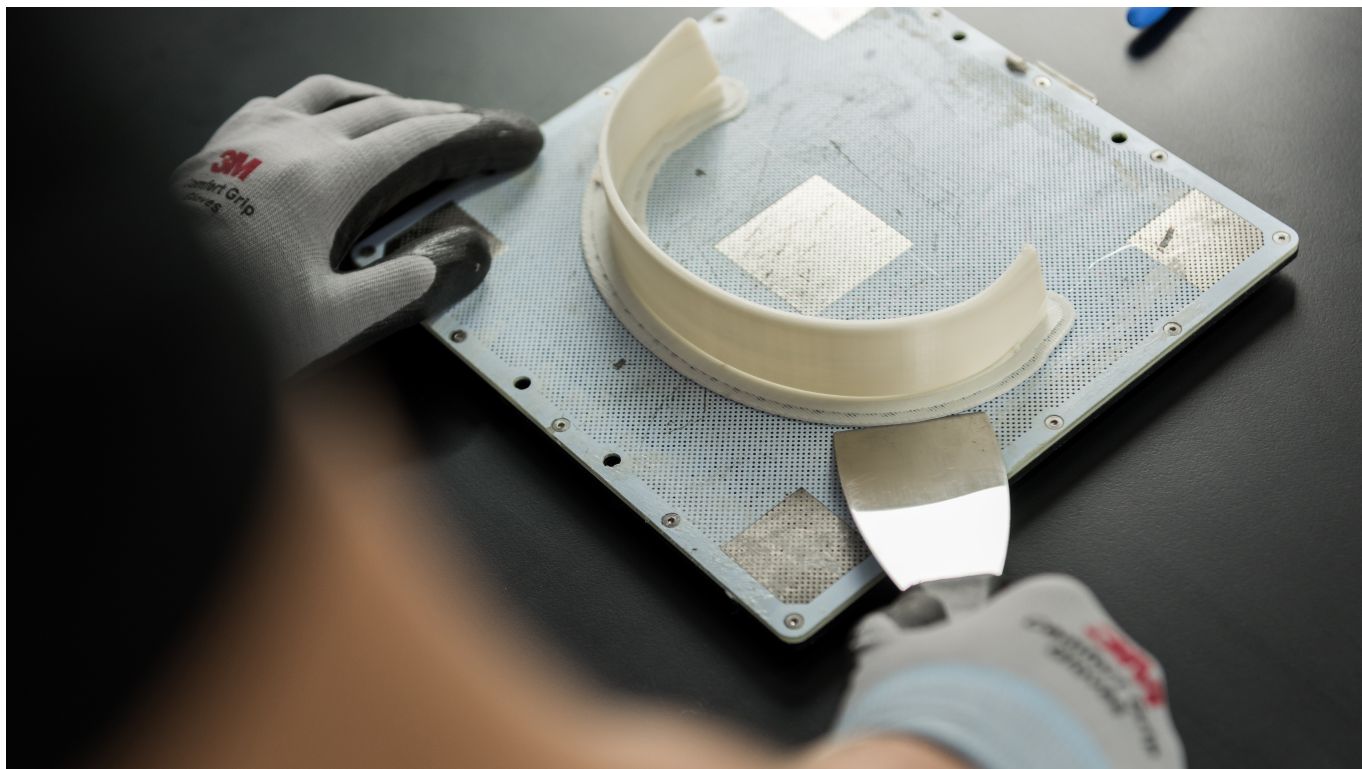
Printing the Model

Once the printing process is completed and once the printer has cooled down, unplug the heatbed cable and remove the platform from the printer.

Use a spatula to remove the model from the platform.

REMOVE THE PRINT VERY CAREFULLY. DO NOT POINT THE BLADE OF THE SPATULA TOWARDS THE PLATFORM CONNECTORS.





Removing the Support

The post-processing has to begin with removing the raft from all the models – it breaks off of the objects easily.

Next, remove the remaining support from hard-to-reach areas of the headband with the scalpel.

EPIISODE 02 CAN BE FOUND HERE: [ASSEMBLING THE STAND](#)





