



# trūsana™

Optimized for

## ASIGA

MAX UV, PRO 4K80 UV

## Using Trusana Resin on the Asiga: Basics of Composer and Supports

This guide explains the best practices for printing Trusana resin on Asiga printers, including how to support parts and orient them on the build plate.

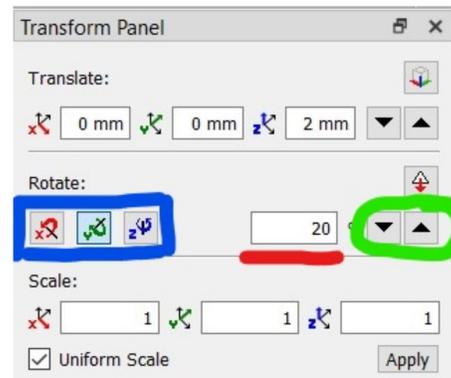
### Alignment

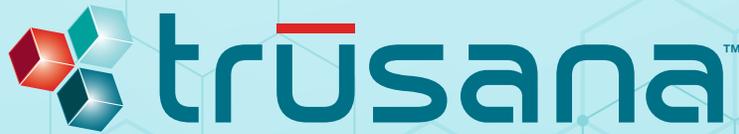
Before adding supports to a part in Composer, it is important to correctly align the part. If you add supports before you align the part, some or all the supports will be deleted.

Parts should be moved so that when supports are generated, the supports won't affect how the part will function. This means the supports need to be on the lingual side of the teeth, so arches and individual teeth can fit into gums properly.

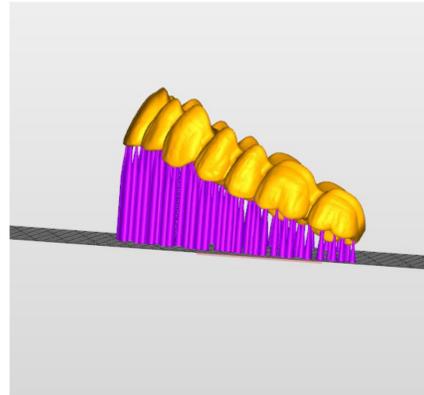
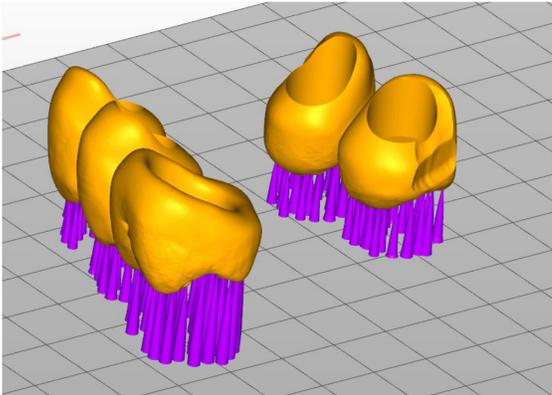
It is important to angle your part. Having your part on an angle will produce the best dimensional quality and ensure the most accurate final print. Go to the Transform Panel (shown above), then use the rotate tool to angle your part. In the blue box, select the plane to rotate the part, then use the arrows in green to perform the rotation. The box next to the arrows (underlined in red) shows the angle of your part. When printing a full tooth arch with Trusana, it is recommended to have a 20° angle.

For parts where angling might not be possible, like individual teeth, best judgment should be used.



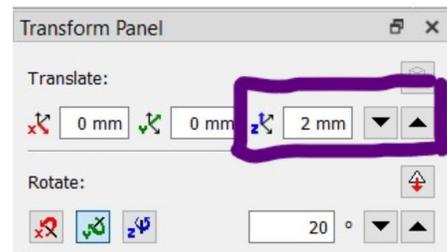


Optimized for  
**ASIGA**  
MAX UV, PRO 4K80 UV



Parts must have enough space beneath them for supports to be adequately created. If supports are generated without enough space to fully form, the part may fall into the tray during the printing process.

To print successfully, supports need to have 2mm of space between them and the build plate to fully form. To help ensure this happens you need to open the Transform Panel and change the Z axis to 2mm.



Where you place your part on the build platform is very important. Parts should be centered in the middle of the build plate. This placement ensures even light exposure, resulting in the best print. Always leave a minimum of 4mm between multiple parts on a build plate.

## Supports

Supports are essential for successfully printing a 3D part. It is important to have enough supports on your part for a few reasons. Supports attach a part to the build plate. They also ensure correct dimensions are printed. Asiga supports are thin and easy to remove from a part, allowing for adequate supports without jeopardizing the aesthetics and functionality of the part.

Shown to the right are the recommended settings for support structures to be generated on Trusana printed parts.

There may be a need for manual editing; however, these settings are best for auto-generation.

Parts need to be supported in areas where they have curves or come to a point so these areas print correctly.

The part shown below will result in a successful print.

