



Everything you need to know about our free 3D printable glasses:

Awesome! You're on your way to print your own personalized 3D glasses. We know you're anxious to start up your printer, but here are a couple of things worth reading before you start:

First and foremost, and you probably know this: trial & error are the basis for any 3D printing process. It might take a few tries before you create the perfect 3D pair. Have fun with it, it's part of the journey.

[GlassesUSA.com](https://www.glassesusa.com) is proud to be at the forefront of eyewear innovation, and we'd love to hear your feedback so we can make this even better. Send us your thoughts and feedback to service@glassesusa.com.

Terms and conditions

The engineering of the 3D files is perfected for Nylon12 (SLS) and ABS (FDM). Both of these 3D printing processes are geared towards using standard parameters when printing. Due to the nature of the project, in which the user creates the actual 3D prints, GlassesUSA.com/Janne Kytanen are not liable for the end results. 3D printing parameters, material selection etc. may vary between the users and which 3D printing equipment the users may have.

File types

The provided designs are for both STL and OBJ formats. You can directly print STL files from your 3D printer. OBJ files are for expert users, who may want to take the customization even further. If you're an expert, go wild and show us what you can do.

Personalization

Don't be afraid to experiment and put your own twist on the files before you print your creation. Add your name or other basic details, but bear in mind: **Don't alter the lenses part of the file**, otherwise there's a good chance they won't fit.

Materials and finishing

Nylon 12 and ABS are thermoplastics, which are easy to finish by using additional post-process treatments such as spray painting, tumbling or vapor smoothing. Explore, share your ideas with us and take your 3D glasses to a whole other level.

Preferred manufacturers for SLS

www.shapeways.com

www.imaterialise.com

www.sculpteo.com

www.3dhubs.com

Wear/tear and assembly

Eyewear is a delicate product, and when you add 3D printing into the mix, extra caution is advised. Make sure to handle your newly made pair with care during the assembly process.

Lenses

We've got you covered with quality lenses that will fit just right for your 3D glasses.

Here are the links to get lenses for all three models:

[Lenses](#) for Phoenix 3D glasses

[Lenses](#) for Mermaid 3D glasses

[Lenses](#) for Dragon 3D glasses

With a few clicks you can simply order them from the comfort of your home. You can make all lenses as single vision, prescription or non-prescription sunglasses, computer protection or any other lenses you want.

MAKE SURE NOT TO ALTER THE LENSES PART ON THE FILES - otherwise, they simply won't fit.

Inserting/Removing the Lenses

Placing lenses into your 3D glasses is a simple process, but it never hurts to have a bit of patience if things need more than one go to work out.

To insert the lens, hold the glasses with the front pointing at you. Start from the top round corner that is closest to the nose bridge, insert the lens into its place in the frame and simply work your way with your thumb across the frame to pop it in. You can use just a little bit of force, but don't over do it.

If you want to pop out the lenses, that's even easier. Have the inside of the frame facing you (as if you were just about to put your glasses on), and push the lens outwards close to the nose area. Again, use just a little bit of force if necessary.

If you want a visual guide, check out the video in the following link as an example:

<https://youtu.be/tOXUi8TsKw0>

What is 3D printing?

3D printing is a process of creating objects of almost any shape or geometry, using a digital 3D data model and adding or solidifying material together.

For more information, check out the following link: https://en.wikipedia.org/wiki/3D_printing

Contest:

GlassesUSA.com is giving you a chance to win \$300 by showing off your personalized 3D glasses.

To enter the contest, upload your design to Instagram & tag us #GlassesUSA3D.

Two winners will be chosen and will each receive a \$300 gift card to GlassesUSA.com

Final entry date: 2.28.18. Winners will be chosen by Janne Kyttanen and announced by 3.1.18.