

STEP II Instructions:

Proceed to the NIH 3D Print Exchange website to create an account and complete your Design Submission for the COVID-19 Supply Chain Response.

CREATE AN ACCOUNT

1. Create an account on the NIH 3D Print Exchange website: <https://3dprint.nih.gov/user/register>.

In the “Other” field, please provide information about you, your organization, role, and any relevant links. This information is intended to provide context and credibility as to the source of the models shared from the account. The account may be for an individual or an organization.

[Home](#) » [User account](#)

Username *

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes, and underscores.

E-mail address *

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive certain news or notifications by e-mail.

Full Name

(Optional) Add your full name, if it is different from your username.

Other

Optional: Share information about yourself, your affiliation, or your interest in 3D printing or 3D modeling, to display on your user profile page.

I'm not a robot 
reCAPTCHA
Privacy - Terms

By creating an account, you agree to our [privacy policy](#).

Leave this field blank

2. Check your email. Click the link to confirm your account and create a password.

3. Login to the NIH site and navigate to the [SHARE](#) page or go directly to <https://3dprint.nih.gov/share>.

UPLOADING YOUR DESIGN

4. On the Share page, click on the “**Labware & Devices**” icon or go directly to <https://3dprint.nih.gov/share/laboratory-equipment>.

Share

Creative Commons licenses can be applied to models submitted to our database. Read our [licensing policy](#) to find out more information on permission, attribution, and how to choose a license.

Click an image below to share your 3D-printable model



MEDICAL &
ANATOMICAL



LABWARE & DEVICES



SMALL MOLECULES,
CHEMICALS



PROTEINS,
MACROMOLECULES,
& VIRUSES



BACTERIA,
ORGANELLES, CELLS,
& MORE

Don't have a model to share? Visit the [Learn](#) page to view our tutorials, or use our [online tools](#) to generate 3D-printable models from a wide selection of file formats.

5. Click on the “**General Information**” tab and:
 - a. Complete all required fields.
 - b. Select only one value from the “Device Use” drop-down list.

Category *
 Labware & Devices
Select one that best describes your model

Device Use
 - Select a value -
 - Select a value -

- Animal Husbandry
- Clinical Equipment or Adapter
- Electrophoresis
- Flow Cytometry
- General Equipment and Adapters
- Histology/Cytology
- Microscopy
- Molecular Biology
- Safety and Personal Protective Equipment
- Tissue Culture
- Other

- c. Enter keywords for the design you are submitting. Keywords are tags that enable searching within the system. **You MUST include “America Makes” as one of your keywords.**
 - d. Enter a detailed a description. You should include as much information as possible including if/how the print has been tested for safety purposes, if applicable, and any liability disclaimer if desired.
 - e. Select the “Segmentation Software” and “3D Modeling/CAD Software.” The fields will auto-populate so you can select from existing items in the list or add your own.
 - f. You may want to include a note about attribution
6. Click on the **“Upload Your File(s)”** tab and upload all relevant files.
- a. The 3D Model File upload field will accept STL, WRL, and X3D. This is by design, so that our pipelines can automatically generate binary X3D files that can be displayed in the 3D viewer in the browser. This means that you will have to convert any CAD files to STL prior to upload.
 - b. Source CAD files and other 3D printable formats may be uploaded in the “Additional Model File(s)” field. Formats allowed include: zip, 3mf, amf, avi, blend, cad, cmp, csg, dwb, dwf, dwg, dxf, fcstd, gcode, iam, igs, ipt, ma, max, mb, mesh, mrc, mtl, obj, off, plc, ply, scad, sldprt, sol, step, stp, sts.

Please contact meghan.mccarthy@nih.gov if you do not see a critical type to include.

- c. Photos of the printed object can be uploaded to the “Additional Image Files” field.
- d. If you have supplemental documentation you would like to append (e.g., PDF, TXT, DOC, etc.) these can be uploaded in the “Supplemental Files” field.

UPLOAD YOUR FILE(S)

3D Model File

Please make sure the file name does not contain special characters such as the following: , # / : ? \ % If uploading multiple files, all file names must be unique.

Add a new file *

No file chosen

Files must be less than **200 MB**.
Allowed file types: *stl wrt vrmf x3d*.

Mesh repair

Check this box to send your model through the Netfabb mesh repair process, to improve printability. Please note that this may add an additional 5 to 10 minutes of processing time, or longer for very large models. [Read more](#)

Additional Model File(s)

Upload additional files such as raw data or original 3D file format to allow users to alter or “remix” your model. Please make sure the file name does not contain special characters such as the following: , # / : ? \ % If uploading multiple files, all file names must be unique.

Add a new file

No file chosen

Files must be less than **200 MB**.
Allowed file types: *zip 3mf amf avi blend cad cmp csg dwb dwf dwg dxf fcstd gcode iam igs ipt ma max mb mesh mrc mtl obj off plc ply scad sldprt sol step stp sts*.

Additional Image(s)

Upload picture(s) of your printed model. Please make sure the file name does not contain special characters such as the following: , # / : ? \ % If uploading multiple files, all file names must be unique.

Add a new file

No file chosen

Files must be less than **200 MB**.
Allowed file types: *png gif jpg jpeg*.

Supplemental Documentation

File names should not contain special characters such as the following: , # / : ? \ % If uploading multiple files, all file names must be unique.

Add a new file

No file chosen

Files must be less than **200 MB**.
Allowed file types: *doc docx pdf ppt pptx rft txt xlsx xls md ai svg eps mov mp4 zip*.

7. Click on the “**Licensing and Terms**” tab to select a license for sharing the content. This includes commonly used copyright and copyleft licenses, and the CERN Open Hardware License – Permissive v2.

▾ LICENSING AND TERMS

From [Share](#) forms you may select a license model. For more information see our [License](#)

This field is hidden on [Create](#) forms, as

License * **Terms** *Check You m*

- BSD-2
- CC BY**
- CC BY-NC
- CC BY-NC-ND
- CC BY-NC-SA
- CC BY-ND
- CC BY-SA
- CERN-OHL-P v2
- GNU GPLv3
- Public Domain

▸ 3D PRINTING INFORMATION

▸ MODEL DETAILS

▸ CITATIONS AND REFERENCES

▸ FOR ADMINISTRATORS

Menu settings

Not in menu

Flags

8. Click on the “3D Printing Information” tab:

- g. Select the “Printer Technology” from the drop down list, and select the related “Material.” If the material you want is not shown, you can add your own.
- h. Select from the auto-populated “Printer Make/Model” or enter your own to the list.
- i. Print Units, Scale, and Processing Instructions should be included.

▾ 3D PRINTING INFORMATION

Printer Technology/Material Printer Make/Model

Print Units **Scale At Given Print Units**

Pre- and Postprocessing Instructions

[Switch to plain text editor](#)

Please include any post-printing instructions or additional information.

9. Click on the “**Citations and Authorship**” tab and enter all necessary information.
10. Review all of your information and **Click Submit**

AFTER YOUR SUBMISSION

Check your email for a link when your model is ready. You will be required to review the entry and mark it as published.

A site administrator will check that you have provided an appropriate level of documentation. You may be contacted and asked to provide additional information.

Note: Models added to the site collection will be designated by NIH site administrators as “Prototype,” “Tested,” or “FDA Emergency Use Authorization,” These terms will be defined on the site page, and may be modified or added to as necessary. To view designs go directly to:
<https://3dprint.nih.gov/collections/covid-19-response>.

Thank you for your submission!