

FabPro 1000 Setup



Please see the FabPro 1000 User Guide, found on support.3dsystems.com/fabpro, for safety information and comprehensive operating instructions.

Save all foam and packing material for future use. Shipping without the original packing material may cause damage to the printer.

1. Remove Finishing Kit

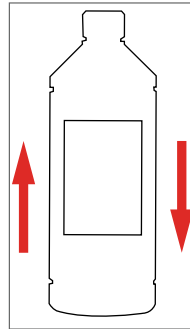


Remove packed-in documents (1), finishing kit (2), and power cord box (3). Compare the contents of the printer package to the list in the **Welcome Letter** to ensure everything is included.

2. Mix Material Bottle(s)



Mixer sold separately



Place bottle(s) on LC-3DMixer for time specified on material's package **or** shake bottle vigorously up and down. Stir material in print tray **before each build** (see **User Guide**).



Insufficiently mixed material may result in build failure.

3. Remove Packing Material



Open all four box clips (1) along the bottom of the package. Lift outer box up and off (2). Remove foam pieces from top of printer.

4. Stage Printer

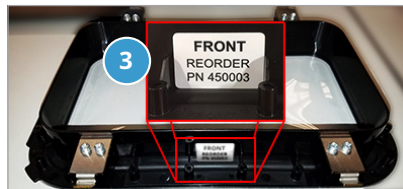


Team-lift printer off pallet and onto table/counter. Remove protective covers from LCD screen (1) and printer door (2). Remove plastic packaging and silica-gel packet (3).



Ensure staging area is on a level surface.

5. Install Glass Print Base and Print Tray



1. Open printer door. Remove foam piece from under the tilt tray.
2. Install glass print base in tilt tray, lining up its flat corners with corresponding flat corners in tilt tray.
3. The print tray is wrapped inside the plastic storage container in the finishing kit. Unwrap it. Install it, concave side facing upward. Be sure the **"FRONT"** label is facing you.
4. Fasten four toggle case locks.

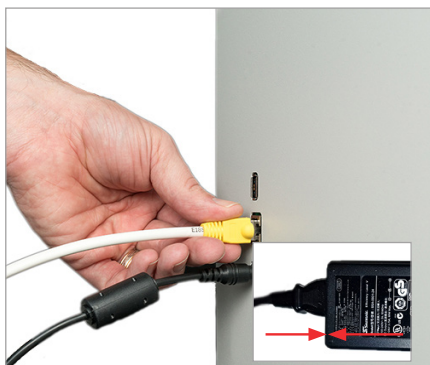
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6. Plug in Power/Ethernet

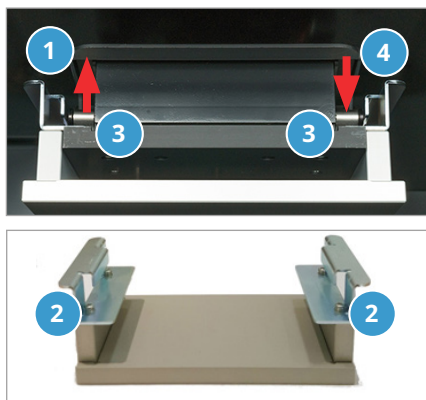


Printer will turn on when power is plugged in. You will hear the tilt tray moving on start-up. Ethernet should be connected to your building's network.



You may plug in either cable first. WiFi not available for printer.

7. Install Print Platform



Lift handle (1). Slide print-platform arms (2) along elevator guides (3) until platform drops down. Push handle down (4) to lock platform in place.



Always wear nitrile gloves when handling materials and/or printer components.



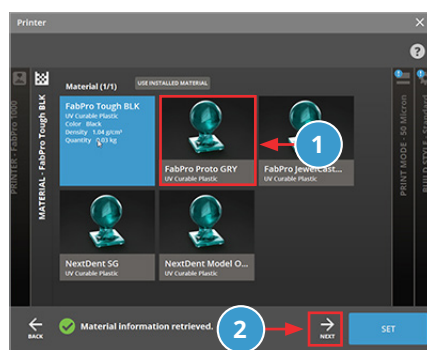
You must clean the print platform between uses.

9. Add Printer



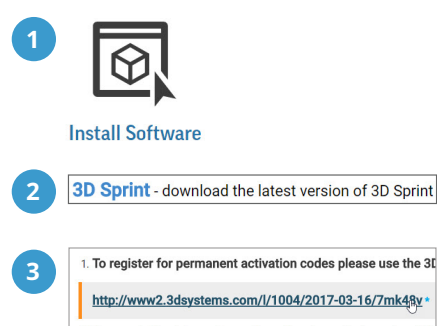
1. Open **3D Sprint**.
2. Click the **Printer** icon (1).
3. Click the **Find Printer** button (2) to find the printer on your network. If this does not work, enter the printer's IP address.
4. Click **FabPro 1000** icon (3), and then click **Next** (4).

10. Select Material



1. Click the **FabPro Proto GRY** icon (1), as this will be the material used in the test build later in this guide.
2. Click the **Next** button (2).

8. Download/Install 3D Sprint

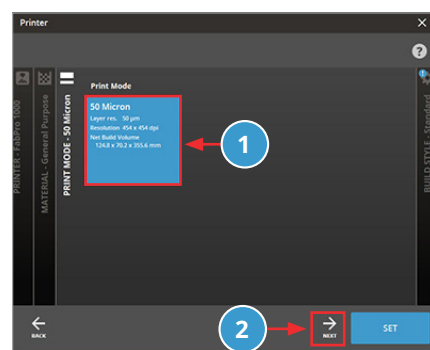


1. On a PC, go to support.3dsystems.com/fabpro. Click **Install Software** link.
2. Follow the instructions to download/install 3D Sprint.
3. Follow link for activation code.



Ensure your computer is able to run 3D Sprint - see [User Guide](#).

11. Select Print Mode



1. The **50 Micron** option (1) should be pre-selected for you.
2. Click the **Next** button (2).

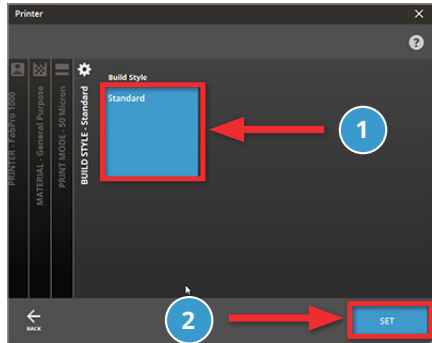
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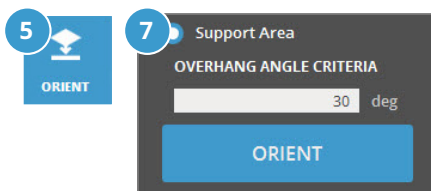
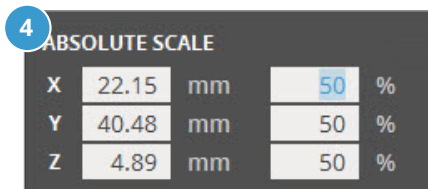
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12. Select Build Style

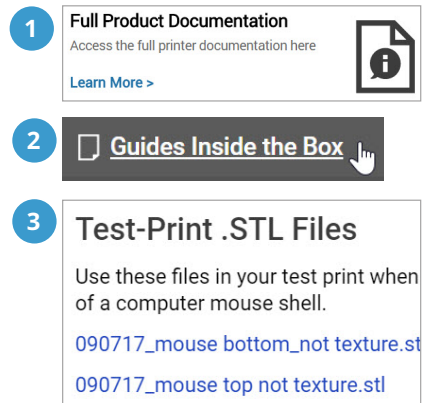


1. The **Standard** option (1) should be pre-selected for you.
2. Click the **Set** button (2).



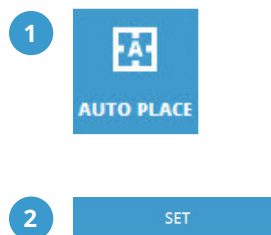
4. Type **50** in the Absolute Scale section's % column. Press **Enter**.
5. Click the **Orient** icon.
6. Click the 3D model to select it (3).
7. Keep **Support Area 30 deg** setting. Click **Orient** button.

13. Download Test .STL File(s)



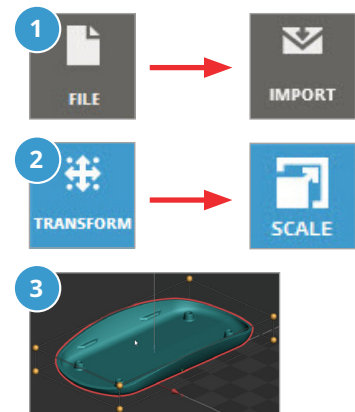
1. On a PC, go to support.3dsystems.com/fabpro. Click the **Full Product Documentation** link.
2. Click the **Guides Inside the Box** link in the left navigation.
3. Download one or both .stl files.

15. Auto-Place Model



1. With model still selected, click **Autoplace**.
2. Click **Set** to place model in middle of print platform.

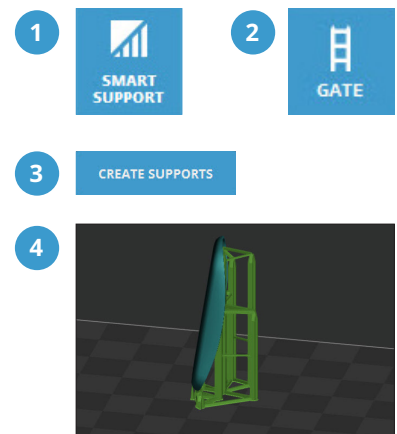
14. Import .STL File in 3D Sprint, Resize, and Orient



1. Go to **File > Import** to import the file(s) downloaded in Step 13.
2. Click **Transform**. In the Transform Panel, click **Scale**.
3. Click the 3D model to select it.

go to step 4 below...

16. Support Model



1. Click **Smart Support** icon (1).
2. Ensure you are using **Gate** supports (2).
3. In the Smart Support panel, click **Create Supports** (3). Supports will be added in green (4).

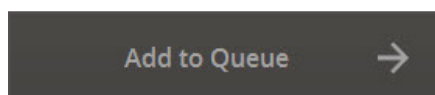
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17. Send .PXL File to Printer/ Register Printer



1. Click **Add to Queue** to send the .pxl file to the printer.
2. This will generate a pop-up in 3D Sprint. Fill out your information to register your printer.

20. Fill Print Tray

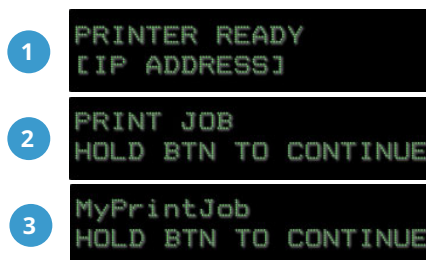


1. You will see the screen above (1).
2. Pour material into tray until the material reaches the **mid** step that is molded into the print tray.



Always wear nitrile gloves when handling materials and/or printer components.

18. Begin Print Process



1. On printer, **Press** power button on screen 1.
2. **Hold down** button on screen 2.
3. Screen 3 will show the name of your print job. **Hold down** the button to continue.



Whenever printer says “hold btn,” this is a 3-second hold.



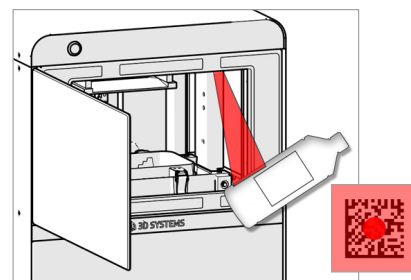
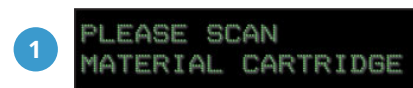
Holding the button for 8 seconds will shut down the printer.

21. Begin Print



Shut printer door. **Hold down** power button to start print. You will see the screen above (1) during printing. When the print is done, follow the steps in the **Post-Processing** section of the [User Guide](#).

19. Scan Material Bottle



When you see the screen above (1), hold the bottle's QR code under the QR-code scanner's targeting light.




Do not look into the scanner.

Other Useful Documents

Please see <http://support.3dsystems.com/fabpro> for up-to-date versions of the following documents:

FabPro 1000 User Guide - See full details regarding safety, facility requirements, post-processing instructions, and more for your printer.

Safety Data Sheets and Instructions for Use - SDS and IFUs ship with each material. They are also available on <https://www.3dsystems.com/materials>.

3D Sprint Online Help - Launch online help by pressing **F1** or clicking the  icon while in the software.