

Bambu x1 carbon 2024

Concord Makerspace checkout notes

Bambu x1 Carbon

- **Most of the knowledge needed to use this machine is related to the software slicer.**

Everyone should watch at least the first 2 or 3 Bambu labs tutorial in the linked series. If you decide you don't need to watch the videos listed below, please understand that you will encounter issues that you will have to figure out the solution to on your own. You will get good results if you make an attempt to learn the basics of the software. Note that a checkout is not a class it is just enough information to ensure you are safe and able to also keep from damaging the machine.

Link pinned in [slack #prototyping channel](#).

<https://makingmatters-nh.slack.com/archives/CQG0M1TCG/p1710434363803479>

This is a direct link to the you tube play list.

<https://www.youtube.com/playlist?list=PLv65CP2QM2rGiBuViRXCO928NxHxQHxnc>

- This printer is fitted with an Automatic material system (AMS) attachment for multi-colored prints. 4 colors. Members can change the colors but they must return the filament that was in the AMS as they found it.
- Any filament left in the printer will be considered usable by other members.
- PLA filament only. Preferred if you used Bambu labs filament. Using other brands of filament could result in poor setup and print quality.
- [] check this to indicate that you were shown a demo of how to load and unload the AMS.
- The max build volume is 256mm x 256mm x 256mm (10.07in x 10.07in x 10.07in)
- If you have any issues. You must report them. We do not know what we will run into yet and all the info we can gather will help us maintain the machine. Please use the slack prototyping channel.
- Printing multi-color is permitted but it is also wasteful please be wise about your filament usage when using the provided spools.
- Must empty the waste bucket behind the machine each print.

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- At some point the filament for a spool that is loaded might be getting low. Please communicate that out to us in slack. Do not change a role until it is completely used. If you have a print that will require more than is on a spool, you can load a new spool of that color into a slot that has a color you do not intend on using. The machine will see that and change over when needed.
- **Management of the machine is only possible through a shared account. DO NOT attempt to align the printer to your Personal account!**
- We will only be providing Bambu labs filament. Other filaments in the shop should not be used in the bamboo x1 they should only be used in the QIDI X-Max. You may provide your own filament and it does not need to be Bambu brand. You will be responsible for setup and configuration of that filament. It is important that you do not alter the settings of a standard Bambu labs filament when you do this.
- Remember that you can monitor your print and other member's prints. **DO NOT** make changes or interfere with other member's prints.
- DO NOT post info about the printer or the login / link info for connecting to the machine to monitor on any public space. Remember this is a shared account. This means you could break someone's project.
- Printing of lude or adult content is prohibited. Members found printing such objects will be banned from using the space.
- Do not try to correct or adjust objects that are in the process of being printed. This could result in an injury and likely will damage the printer as well.
- Do not attempt to start a print from a remote location. It is very important that you are in the space when you start a print. This is to ensure that there are no issues with the printer prior to printing.
- Make a reasonable attempt to remove and restore the printer to the standard state as soon as your print is done. This will make it a much better experience for all.
- You should reserve the Bambu for a reasonable block of time to complete your print. Understand that if another member is coming in behind your print, they will need to remove your print from the build plate. Please be kind to your fellow members and take great care with any prints you may feel you need to remove from the printer.
- The top of the printer is not a work surface. Never place anything on the top of the printer.

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- Do not move the printer. It is calibrated at its location. If you move it even a few centimeters, it could have a noticeable effect on prints until it is calibrated.
- Check each to indicate you have been given the following information and understand it.
 - ☐ You understand what the waste bucket is.
 - ☐ you understand how to load and unload filament in the AMS
 - ☐ You understand how to remove a printer part from the print bed and replace the print bed properly.
 - ☐ You understand that you should not use chemicals or adhesives on the print bed.
 - ☐ You have been shown a demo of how to use the software and feel you can find it and work with it in the future. Including the following:
 - ☐ Log on to the space laptops
 - ☐ Open the correct program,
 - ☐ Select the correct printer
 - ☐ load a model (stl file)
 - ☐ select the proper filament
 - ☐ Slice the model
 - ☐ Refresh the AMS data
 - ☐ Send the sliced model to the printer and start the print.
 - ☐ You understand and commit to staying for the first 20 minutes of any print you start. You must stay long enough for the first 2 layers to complete before you can leave the printer. In some cases this might be more than 20 minutes.
 - ☐ You understand and commit to following the rules listed related to filament for the Bambu.
 - ☐ I understand that I should not share (Sliced files) in any public or private forums that are not controlled by the makerspace. These files contain information that might allow a 3rd party to take actions with our printer and this might result in dangerous conditions or theft.

Date of checkout: _____

Member checked out: _____

Member Volunteer that administered the checkout: _____