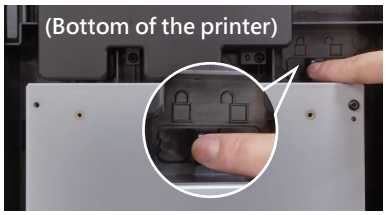
ENGLISH

Quick Start Guide

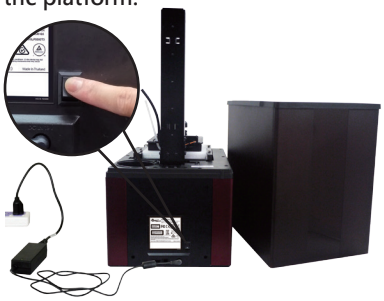
Welcome to your Nobel 1.0A Please read this guide carefully for tips on unpacking, setting up, printing, and post processing to ensure an excellent 3D printing experience!

Unpacking

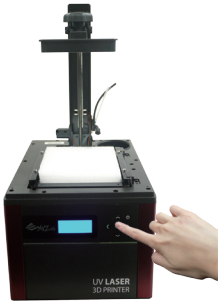
①Upon receiving your printer, remove the packaging materials, plastic bag, tapes, and the accessory tray, and assemble the lid by following the instruction in the box. Then, remove the protective foam from under the platform according to the procedure below:



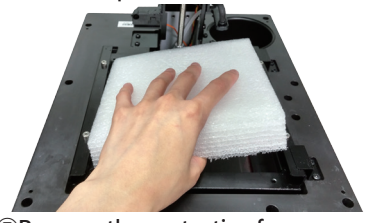
②Lay down the printer, and release the printing module lock by pushing it to the right. Follow the procedures to remove the protecting foam under the platform.



③Connect the printer to a power source and turn on the printer. (Please do not use the power adapter for Nobel 1.0 on this model.)



④Select “UTILITIES” > “MOVE PLATFORM” > “TO TOP” > “YES” to raise the platform.



⑤Remove the protective foam.

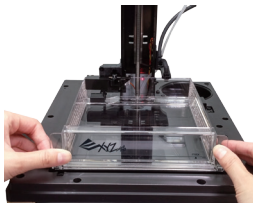
*Keep original packaging material in the event of sending your unit back for repair.

Product Overview & Accessories

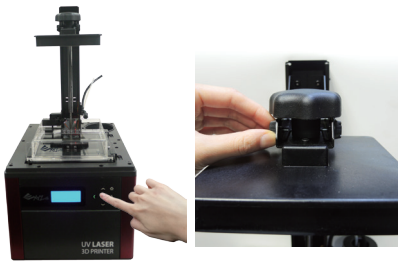
Nobel 1.0A is shipped with the following parts and accessories. After unpacking, please inspect the interior and exterior of the printer and accessories for damage. Please contact support for any missing or defective parts and accessories.

Setting Up

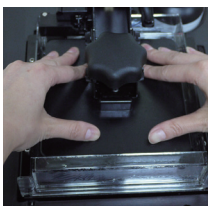
Install and prepare the following parts before printing:



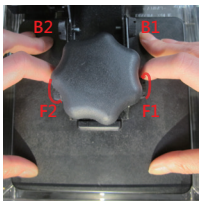
①Install the resin tank by pushing the tank all the way into its slot.



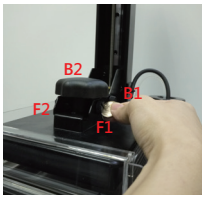
②Calibrate the platform by selecting "UTILITIES" > " HORIZON CALIB" and follow the instructions on the screen. After removing prints from the platform, loosen 4 small screws over the platform. And press OK and wait until the platform has descended.



③Press the platform with both hands 3 times. Make sure you see the right side of the tank sinks into the tank slot slightly. Free you hands from the platform for a few seconds so the silicon finish on the tank can reshape. Check the tank frame has repositioned (there's no gap between the black frame holders).



④Place both hands over the platform to make sure the surface is adhered to the resin tanks. At the same time, tighten the fronts crews (F1, F2) with fingers and then the screws at the back (B1, B2). And then release both hands from the platform, fasten the 4 screws firmly.



⑤Tighten the screws with a coin or other tools (sequence from F1, B1, F2 to B2) and press [OK] to complete calibration.

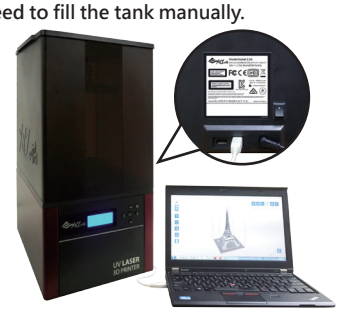
⑥Shake the resin cartridge for about 10 seconds.

⑦Assemble the nozzle cap and the inner tube, and replace the bottle cap with the assembled nozzle cap.

⑧Inset the resin bottle into the cartridge slot and install the filling tubes by first connecting the black tube to the thick nozzle. Then attach the transparent tube to the thin nozzle and push the tube all the way down. After installing the filling tubes, cover the lid.

Note Before changing the resin bottle, please detach the transparent tube from the cap and then the black tube.

"AUTO FILL" is enabled by default. The resin tank is auto-filled before printing and when resin low is detected. You don't need to fill the tank manually.



⑨Connect the printer to your PC via USB wire and install the printing software XYZware_Nobel from the bundled USB flash drive.

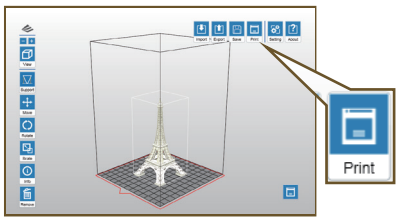
*Connect your PC to the printer before installing the software, or the installation may not complete.

*Apply printer firmware and XYZware_Nobel updates when prompted by the software for stable printing performance.

Printing

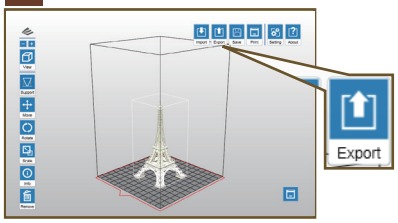
Nobel 1.0A is both a PC compatible and a standalone 3D printer. You can print from the following sources:

1 Print from PC



Import 3D objects into XYZware_Nobel, add support structures if necessary and click on "Print" to setup printing parameters for slicing and printing.

2 Print from USB



Export 3D models in .3wn format with XYZware_Nobel and save the file to the USB flash drive.

Insert the USB flash drive to the USB drive port at the back of the printer.

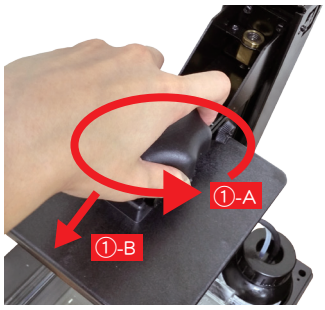
Select "PRINT FROM USB" in main menu to proceed.

* Remember to place the lid over the printer before printing.

* Sample files are provided in the bundled USB drive. To print the sample, please slice the stl files with XYZware_Nobel before printing, or selected the sliced .3wn files.

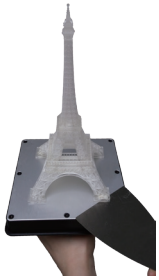
Printed Object Removal and Cleaning

When removing prints from the printer, perform the following post-processing procedure for your printed object and printer maintenance



①-A Turn the platform locker counter-clockwise until it stops.
①-B Grasp the locker and pull the platform out.

*Always remove the platform before removing the resin tank to avoid dripping leftover material onto the tank slot.



②Scrape off the print.

③Pour alcohol (≧75% alcohol) into the rinse basket, and shake the print for 10 minutes. (* Alcohol is not supplied.)
④Remove any residue from the resin tank with the scraper gently.
⑤-A Reinstall the platform
⑤-B turn the locker clockwise until it stops.

* Always wear gloves before coming into contact uncured resin or cleaning prints.
*Operate gently to avoid scratching the surface.
* Avoid dripping resin onto anything other than the platform or the resin tank, or the printer may malfunction.

Resources

For complete instructions and troubleshooting, please refer to the product manual. You can find the product manual in the bundled USB flash drive or download the latest version from:
http://support.xyzprinting.com/us_en/Help/download
For tutorial videos, please go to:
http://support.xyzprinting.com/us_en/Help/tutorial

Important Notice

Wear safety goggles before using the printer.

Do not let children operate this device without adult supervision. Moving parts may cause serious injury.

Please place and use the printer in a well ventilated area. The process of printing will produce a small amount of non-toxic odor. Having a well ventilated area will ensure a more comfortable environment.
For a complete guide on precautions, clean-up procedures, handling procedures, storage procedures, and suggestions on protection, see the "Resin Care" section in your product manual.

If unused for more than a week, pigments in the resin may settle at the bottom of the cartridge or the tank. Shake/stir well before using.

For the best printing performance, resin should be used up within 3 months after purchasing and within 1 month of opening. Resin should preferably be stored at temperatures between 10-32°C (50-89.6°F).

Please ensure that the recommended operating conditions are adhered to. (Operating temperature 18-28°C (64.4-82.4°F)/ humidity 40-80% RH); If a different operating temperature is printed on the label on the resin bottle, please adhere to recommended conditions on the label.)

Due to the nature of the printing technology and material, the resin tank may develop cloudy regions overtime where the UV laser cures the resin and may lead to print fails. Please avoid printing over the cloudy area in the tank. Moving the print location around the platform can help prolong the life of the tank.

Change to a new tank when over 2/3 of the surface gets cloudy.

Use separate resin tanks for resins of different color. Mixing resins of different color may affect printing quality.

Always perform "Horizon Calibration" after changing to a new tank or a tank different the one used for last print. Be sure to empty the tank before calibrating the platform.