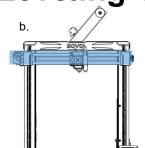
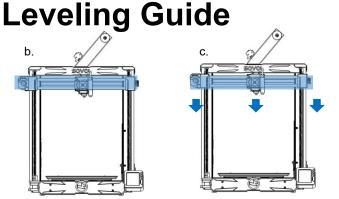
Leveling





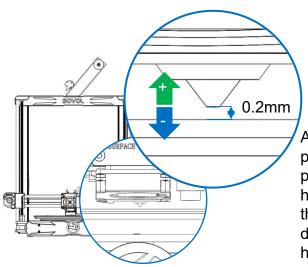
It is quite normal, if noise produces after the machine hits the top. Please wait patiently until it goes down.

This step is not required for leveling per time but required when the whole X-axis is not horizontal enough.

1. Click the "Leveling" on the main interface, and then the machine will auto home first. After the machine stops, click "Auto Z-axis Alignment" and the whole X-axis will ascend to the top and then descend to zero again.



2. After the machine stops, adjust the offset value of Z axis in order to adjust the distance between nozzle and hot bed



Auto Z-Align

Remember to click "Save" after finishing adjusting offset value of Z axis.

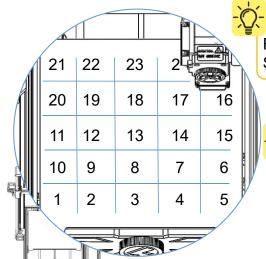
About 0.2mm, like the thickness of a piece of A4 paper. When you drag the paper between the nozzle and the hotbed, if the nozzle can scratch on the paper slightly, that means the distance between the nozzle and the hotbed is suitable.



3. Click the "Auto Leveling" after finishing adjustment, and the machine will start 25-point detection.



After clicking "Auto Leveling", the nozzle will rise to 120°C and the hot bed will rise to 60°C. Please wait patiently and avoid scalding.

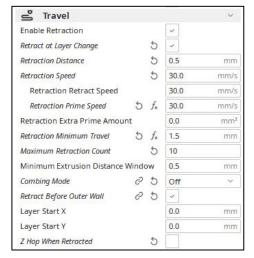


Remember to click "Save Settings" after detecting.

> The leveling data will be automatically applied in the following printings per time.

We are using a bi-metal throat, so setting the retraction distance too high may cause clogging. In our tests, a retraction distance of **0.5mm** was the most suitable. The following are the retraction parameters in Sovol Cura and Prusaslicer.

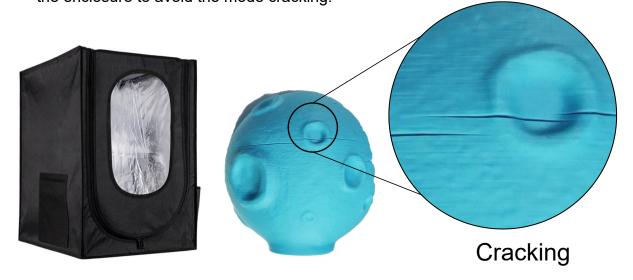






Tips

When printing ABS or other high temperature filament, we suggest to print in the enclosure to avoid the mode cracking.



20% fan speed can help improve print quality slightly, when printing most of high-temperature filament. If the printing effect is not as good as expected after setting fan speed to 20%, do not turn on the fan.

