TIPS about the print speed and quality of Ortur4

Ortur4 is using SGR linear guide rail, this kind of guide rails are widely used for CNC machines. And theoretically, this kind of Linear Guide Rail 3d printer could bring the much better print speed and print quality than the normal aluminium V Slot printers.

But there are still some endusers had reported that they couldn't get a good print speed and quality. After investigation, we found, most of the issues are because of the wrong profile used on Ortur4.

Please DO NOT use the profile of other normal 3d printers, that you're used to use on normal 3d printers, to slice the Gcode files for Ortur4.

Because, the parameters, such as Retraction Distance and Speed, of Ortur4 are much different from those normal 3d printers.

(For example, even some endusers thought they had used the same print speeds, so the other parameters could be same too. But in fact, usually, the normal 3d printers would have a print speed limit under 80MM/S in firmware, as the V slot Plastic Wheels may be abraded very easily when print speed is higher than 50MM/S.

This is because, lots of normal printer vendors are declaring that their print speeds could be 160MM/S or even faster, and let their users set up a high speed in Slicer. But in fact, this is a fake speed in firmware)

SO, please spend some time to learn and be used to set up the specific profiles for Ortur linear guide rail printers, and you would be satisfied then!

(PS. there is Simplify3d profile saved in SD card, but, as the wide print speed range of Ortur4 (20-150MM/S), also the different filaments would be different in flowability, it would also need you to spend some time to adjust the profile parameters based on the print speeds and your own filaments.)

If you have any question, just feel free to contact with us for advice, thank you!