

# How to Use the Print Speed Adjustments Option

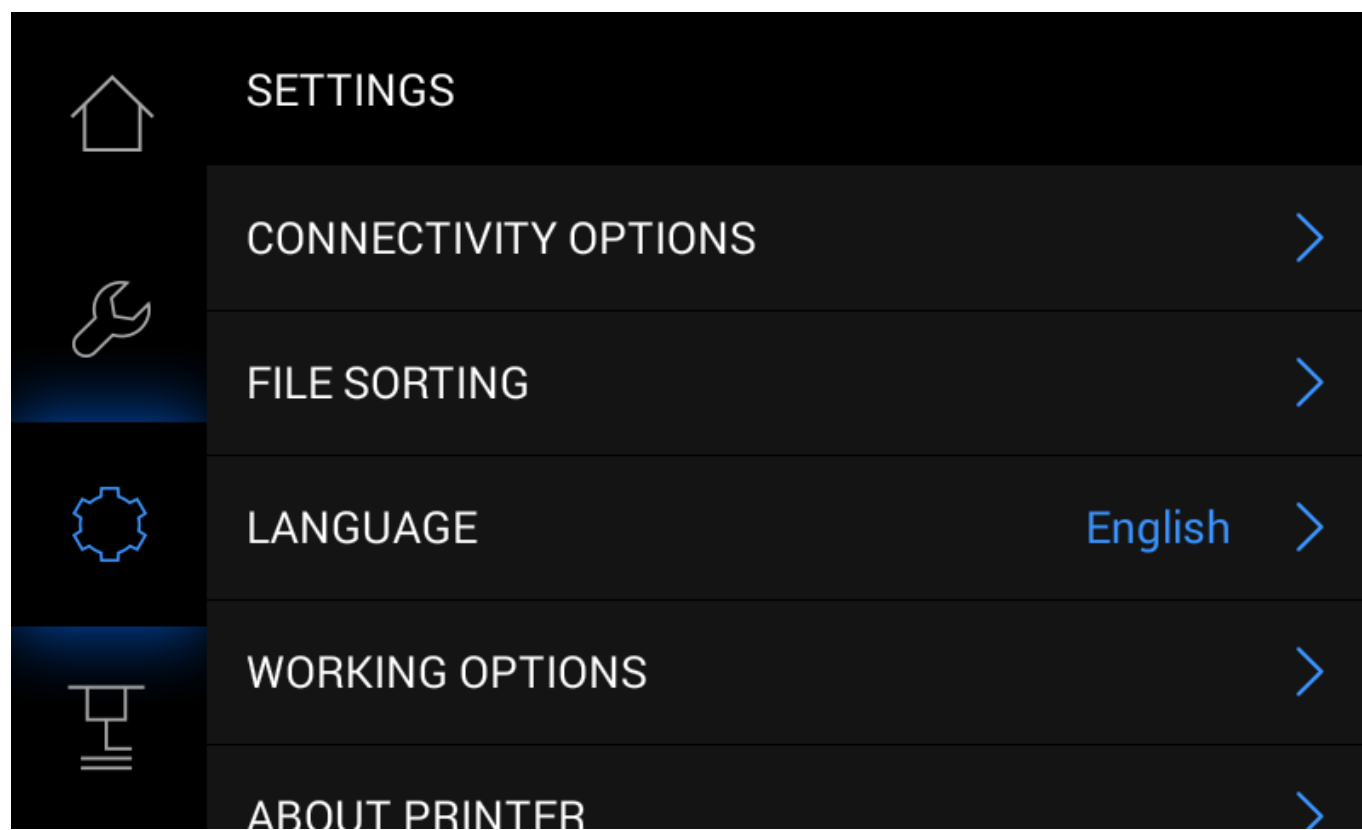
SOURCE:

<https://support.zortrax.com/how-to-use-the-print-speed-adjustments-option/>

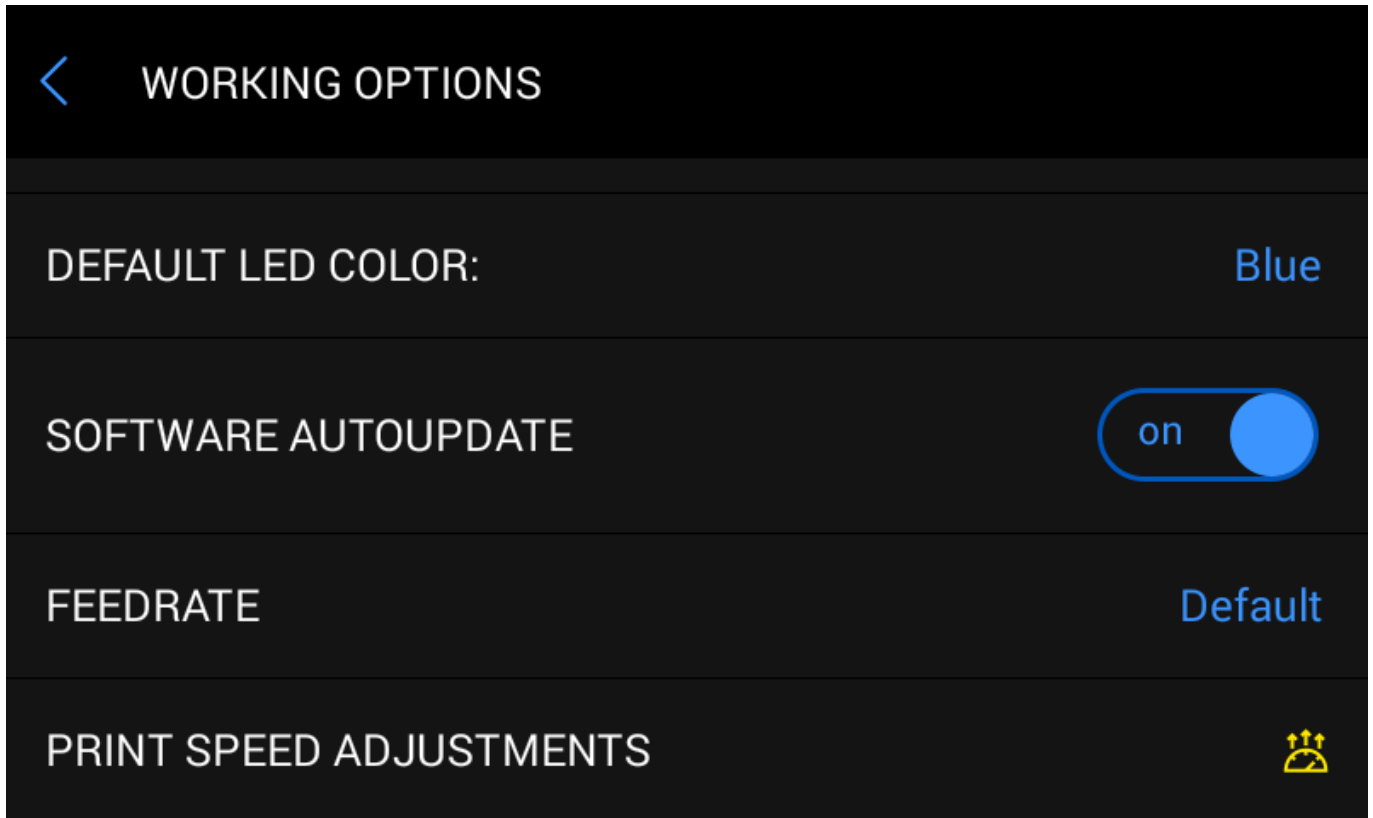
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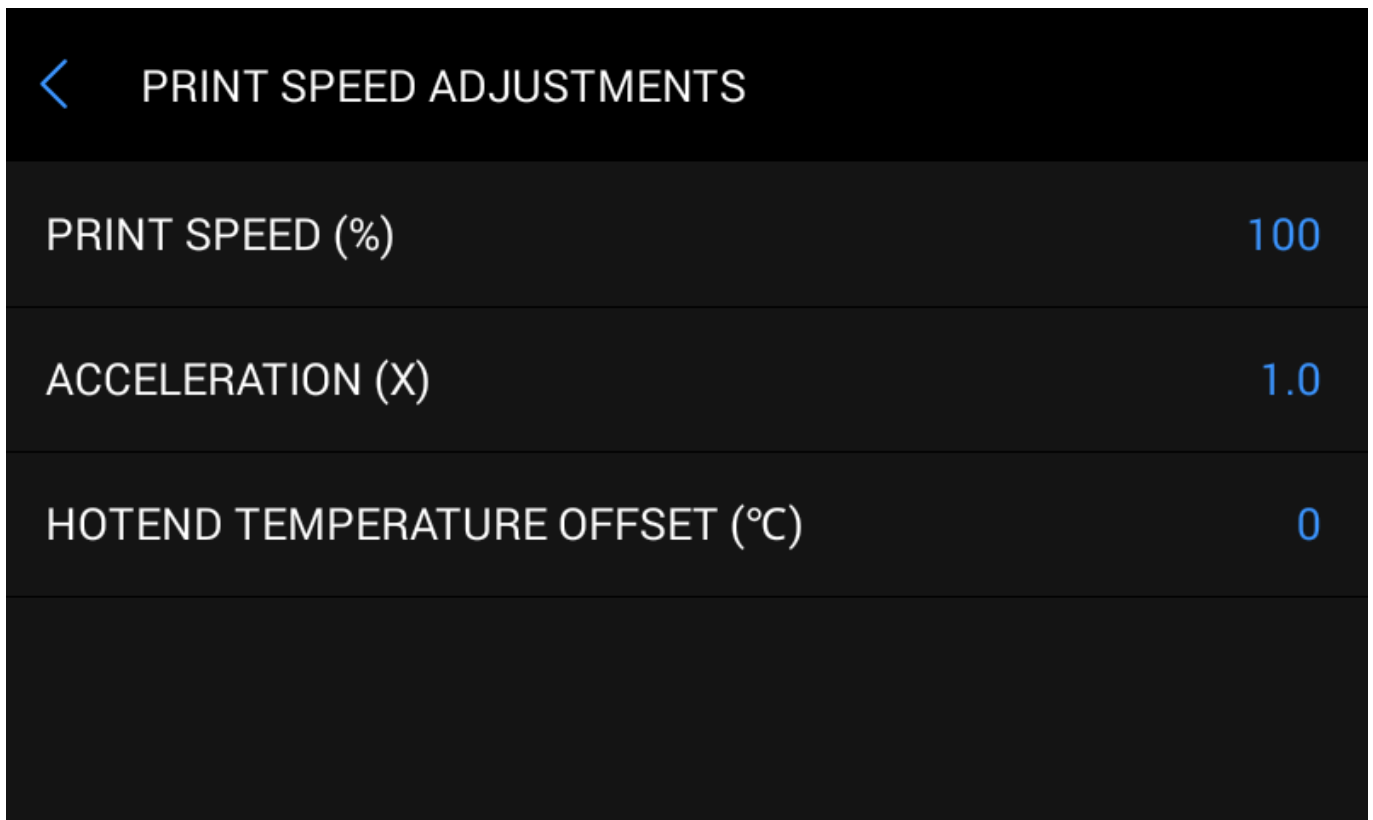
## Speed Adjustments before the Printing Process



Open the *Settings* menu and select *Working Options*.



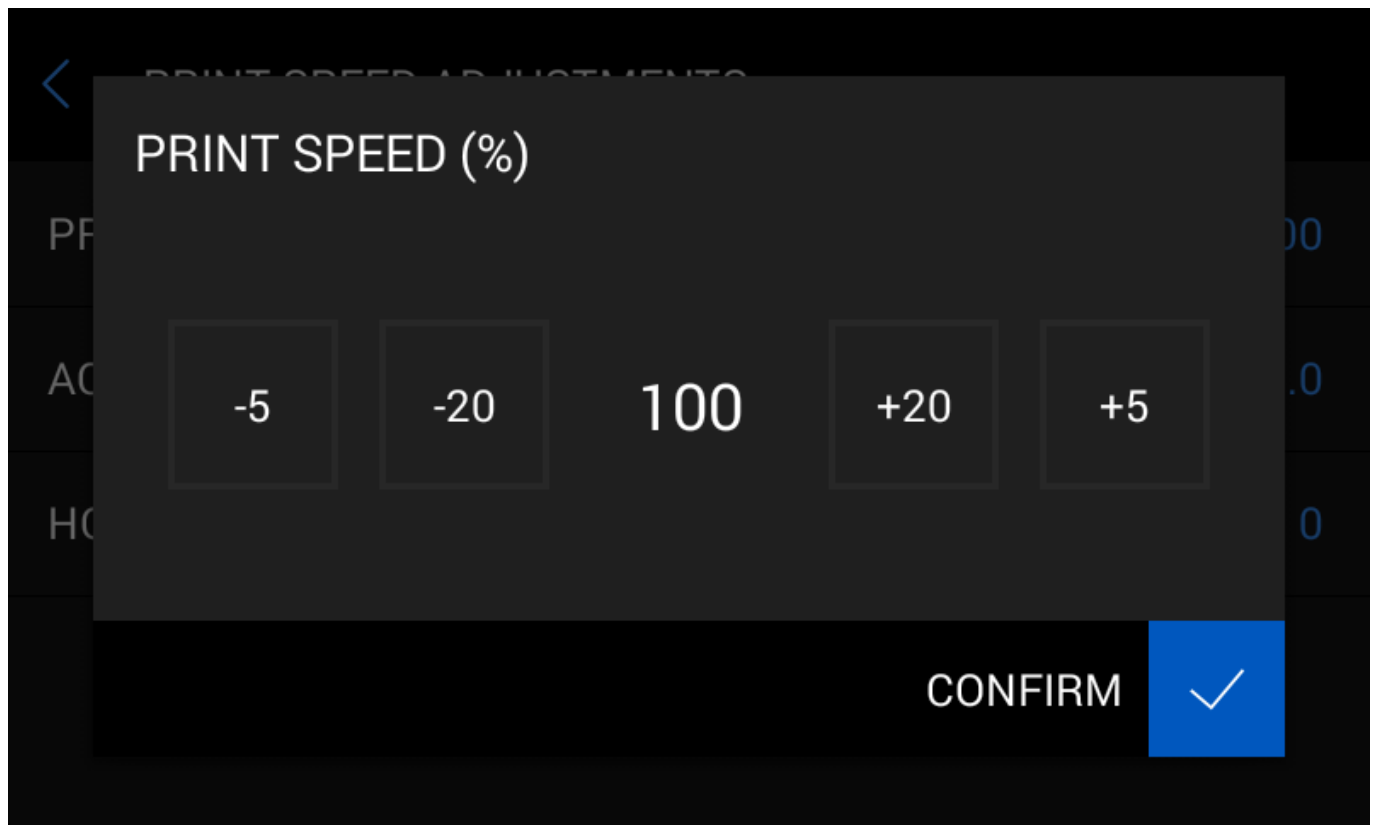
Next, scroll down the menu and choose *Print Speed Adjustments*.



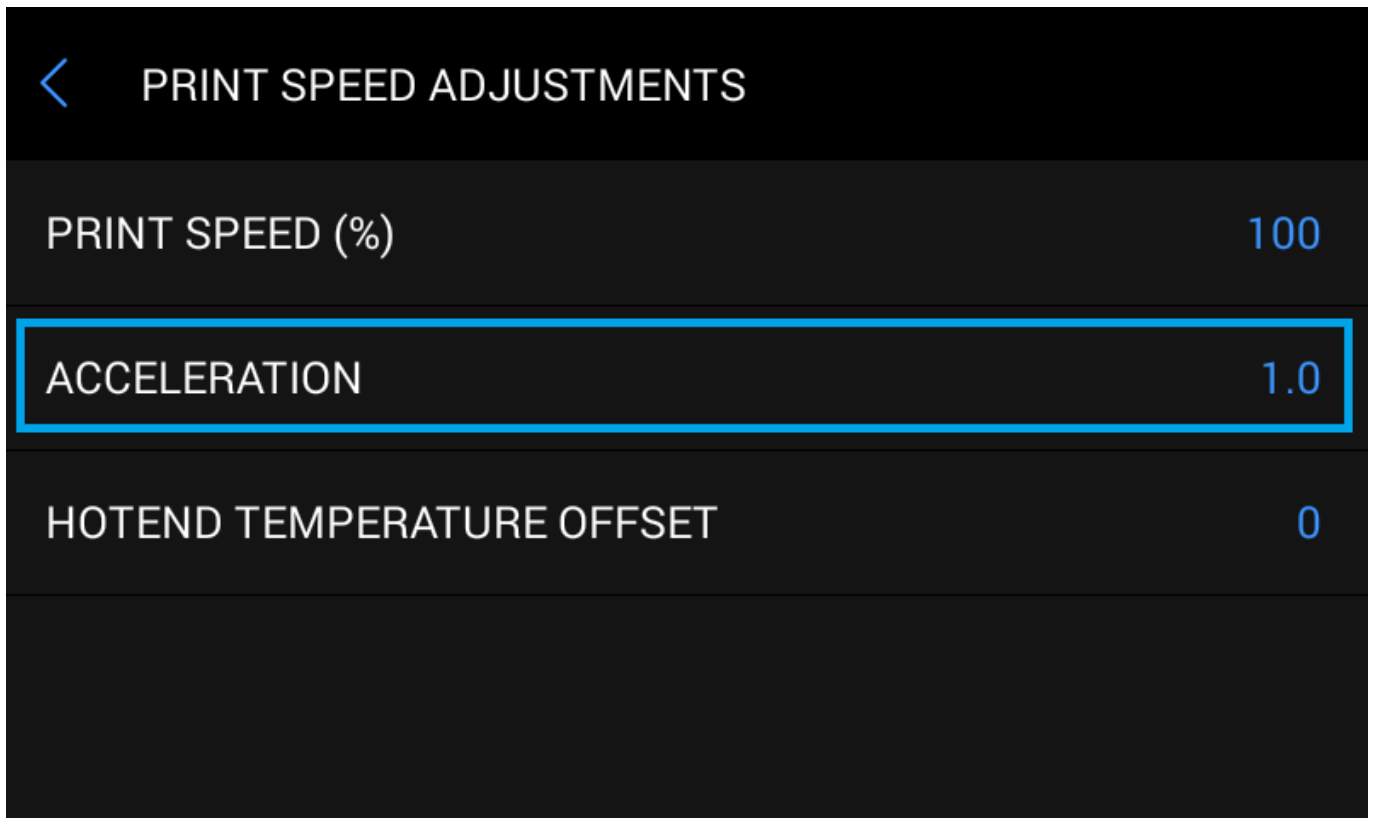
The menu will show three options that can be adjusted.



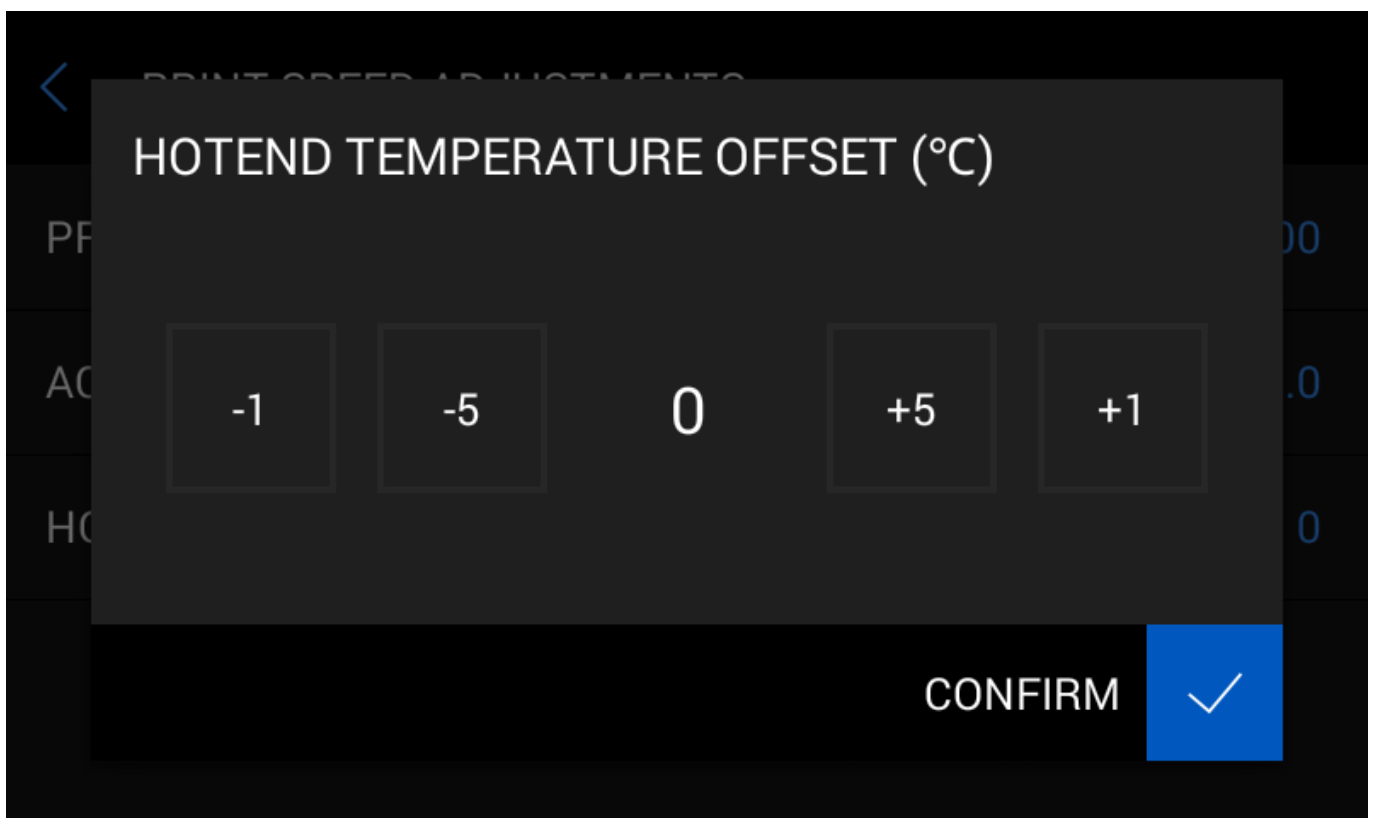
## Definitions



*Print speed* – this is the speed of the extruder head moving in XY axes while printing. The default value is 100%. You can go up to 300%. Remember that the printing speed of raft, infill, supports, contours is not identical, so when you change the print speed to 300%, it means that each of them will be printed 3 x faster than their default values



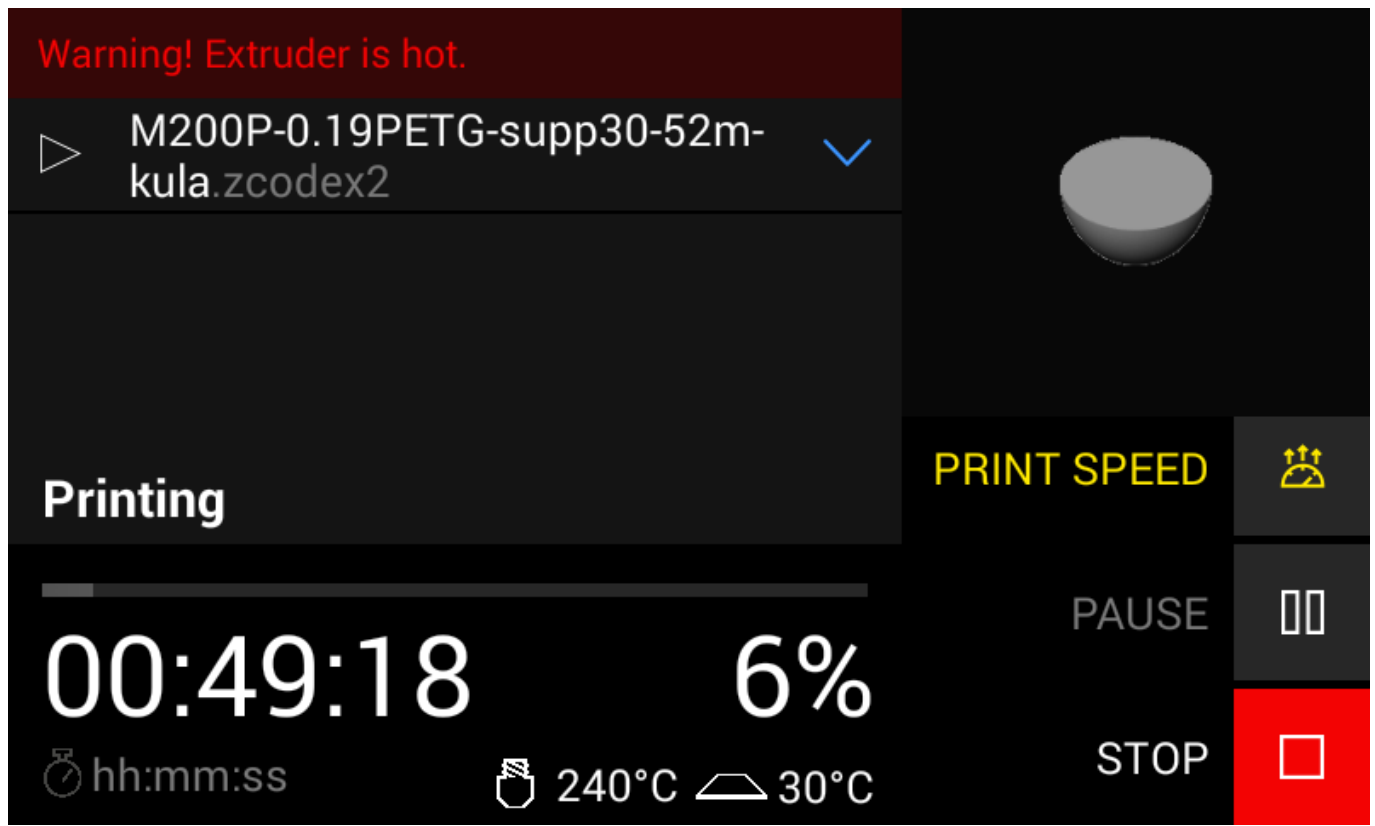
*Acceleration* – this option determines how fast the extruder accelerates after changing direction of printing. It can gain the speed slowly or more rapidly. The values are: x0.75, x1.0, x1.5, x2.0. The default one is x1.0. We recommend using x1.5.



*Hotend Temperature Offset* – printing in a high speed mode might require increasing the hotend temperature. Faster movements in the XY directions, and having the default hotend temperature, might result in material deficiency on the print. In order to “keep up” with extruding while printing with very high speed, you can increase the extrusion temp. (5 degrees Celsius - more is not recommended)).



## Speed Adjustments during the Printing Process



Open the *Print Speed* menu,

< PRINT SPEED ADJUSTMENTS

PRINT SPEED (%) 100

ACCELERATION (X) 1.0

HOTEND TEMPERATURE OFFSET (°C) 0

Select the option that yo would like to adjust.

## FAQ

### **Is the print speed the same for each M-series printer?**

No, it is not, which means that each device will achieve different acceleration values and printing speeds.

### **Are you considering implementing the *Print Speed Adjustments* feature for standard materials (e.g. ABS, Z-Ultrat) on Endureal?**

At this point, this feature will only be available for selected desktop devices. If we decide to implement it on other machines, we will keep you informed.

### **Can the *Print Speed Adjustments* option be used when printing on a glass platform?**

When printing on a glass platform, we use the “raftless” mode, which, unfortunately, will not work well with fast printing. Therefore, we recommend using only the perforated plate when using the *Print Speed Adjustments* option.