

Function Adjustable Homing Feedrate

Why do we need this?

For those who are developing 3D Printer, especially mechanics, they do need to test which homing speeds they need. Which means sometimes the printer mechanics need to find suitable speeds for homing the printer(G28). Especially I needed this kind of function. compiling a whole new firmware because of changing homing feedrate slightly would be the waste of time comparing to execute GCode or turn knob a bit.

All 3D Printer devs will have to find its suitable homing speeds, otherwise it would(and pretty much) effect the stability of printer, including Bed Leveling.

This function allows user to change X, Y, Z Homing feedrate based on GCode Execution.

How to use?

All values MUST be in float.

For setting X homing speed: M983 X[speed_feedrate]

For setting Y homing speed: M983 Y[speed_feedrate]

For setting Z homing speed: M983 Z[speed_feedrate]

How it works(By Order, explanation)?

1. It will check whether HOMING_FEEDRATE_ADJUSTABLE is enabled or not.
2. If enabled, by default it will load Configuration.h 's value.
3. If user execute GCode, the variable [AXIS]_homing_feedrate will be changed.
4. That's all

So, basically it will check Configuration variable for checking whether the function is supported OR Not. But for reducing ambiguous elements, first all variables related to this function will be reset to Configuration's value. The variable for this function changes ONLY when user executes the GCode.

Oh, this is WIP

For more reference and code, Have a look at [github commit\(Latest patch\)](#) or for per-patchset commit, you might want to visit [gerrit review](#)

Is it done?(TODO)

Test it on my printer whether it is actually works or not.

And maybe resetting every FR to default might be the one I want to add later when basic achievements are done.