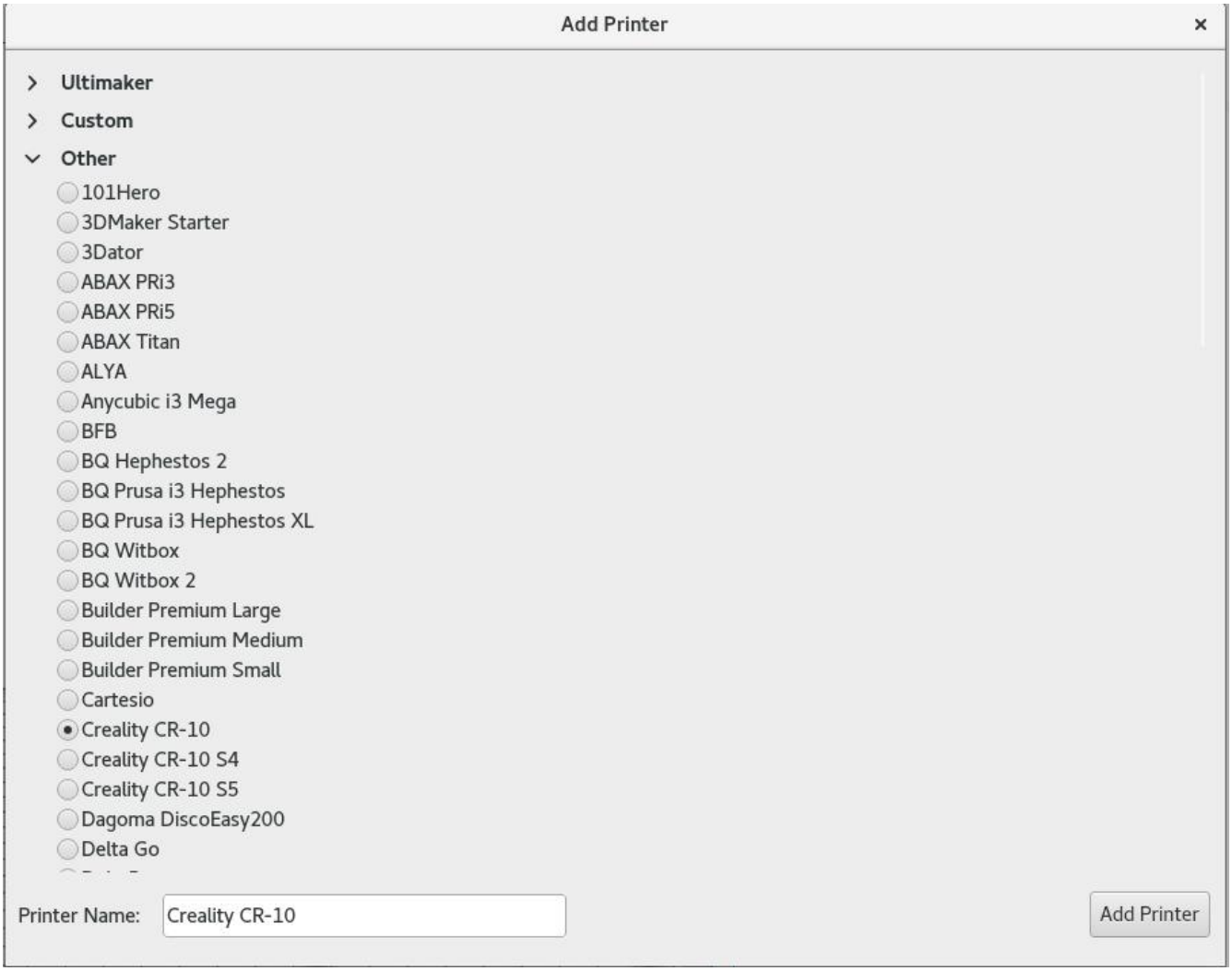
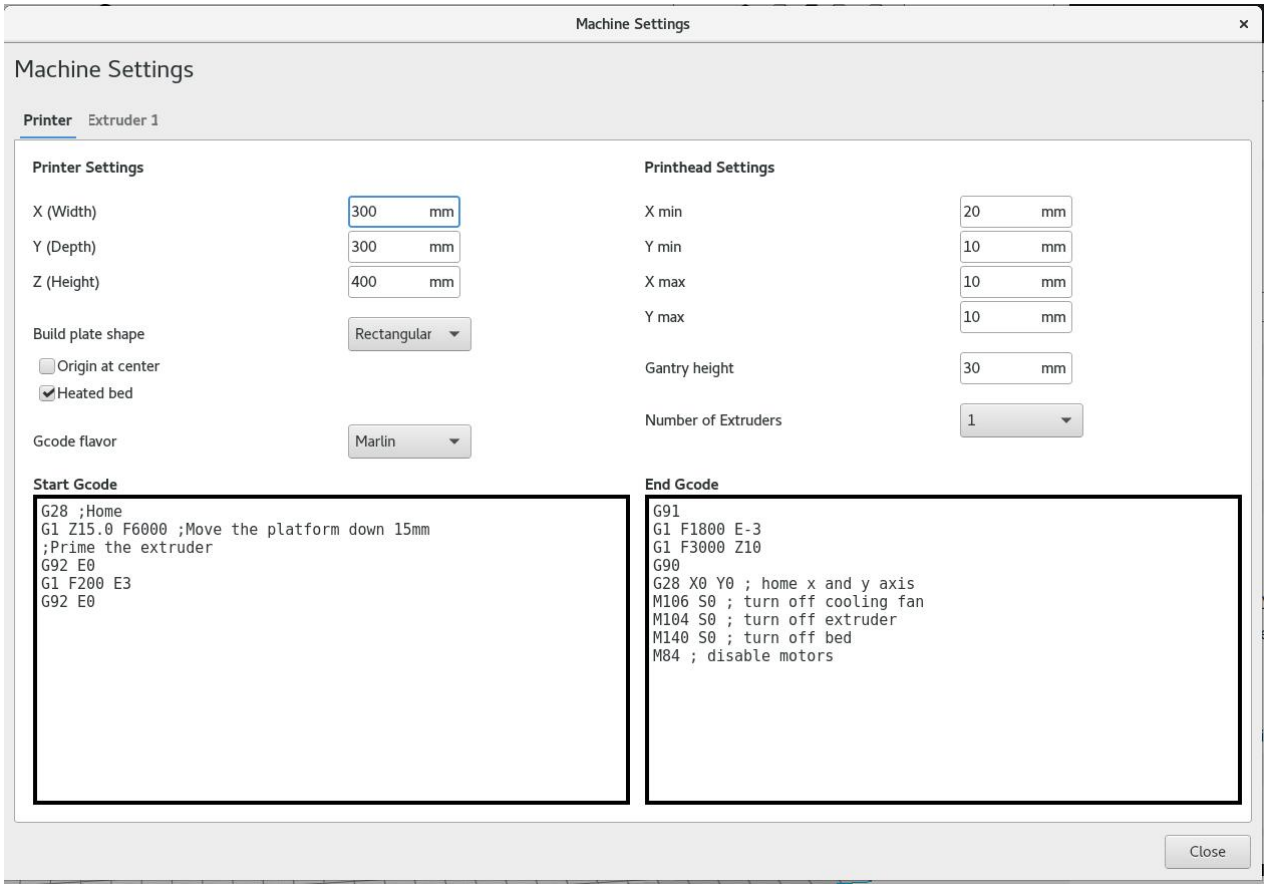
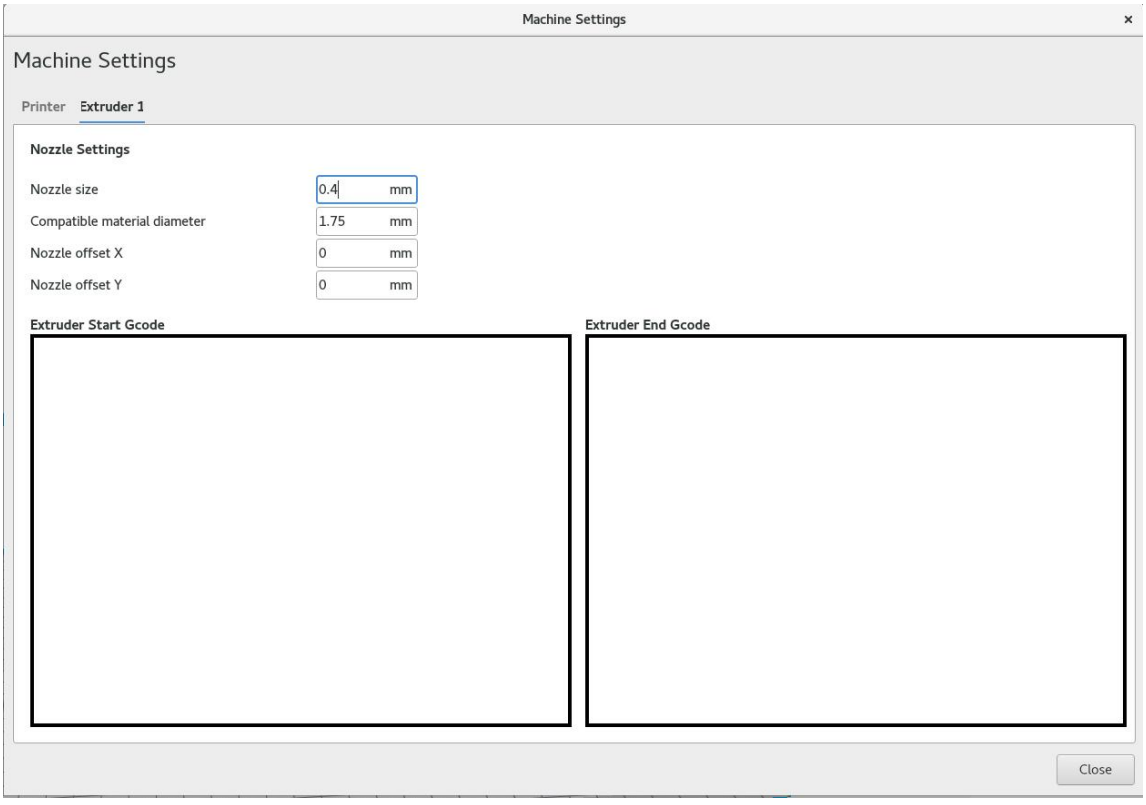
Cura Settings

Printer Settings

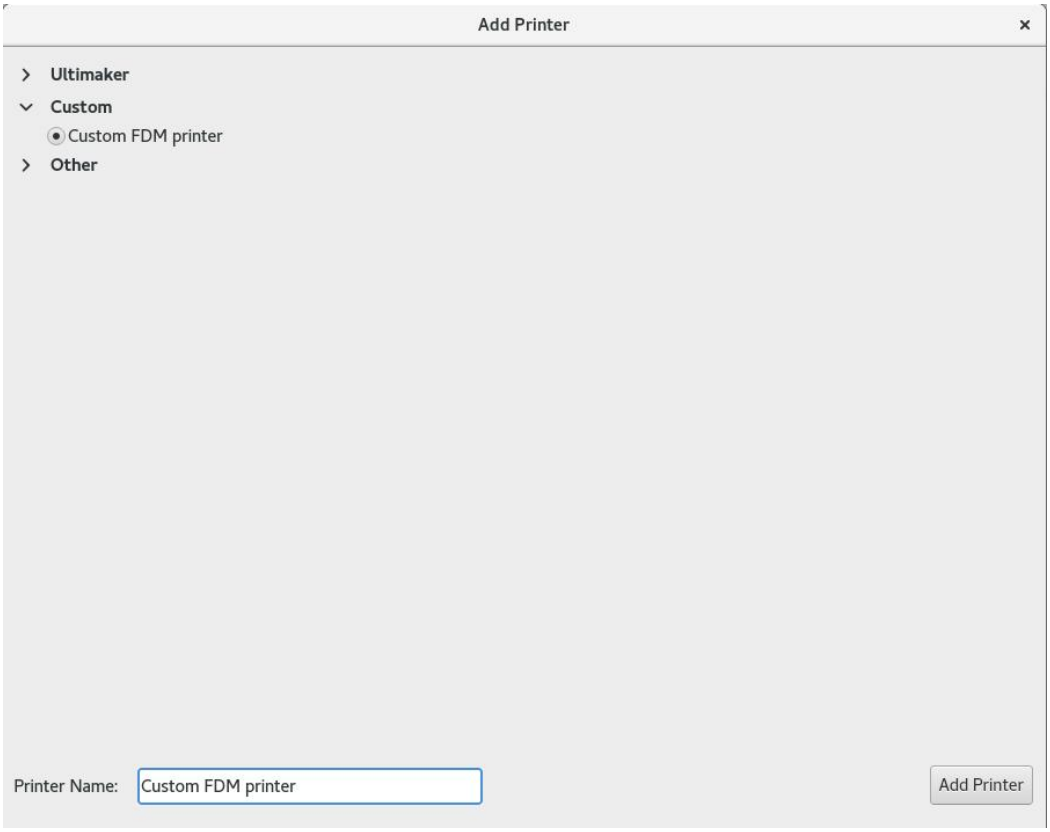
Creality CR10s

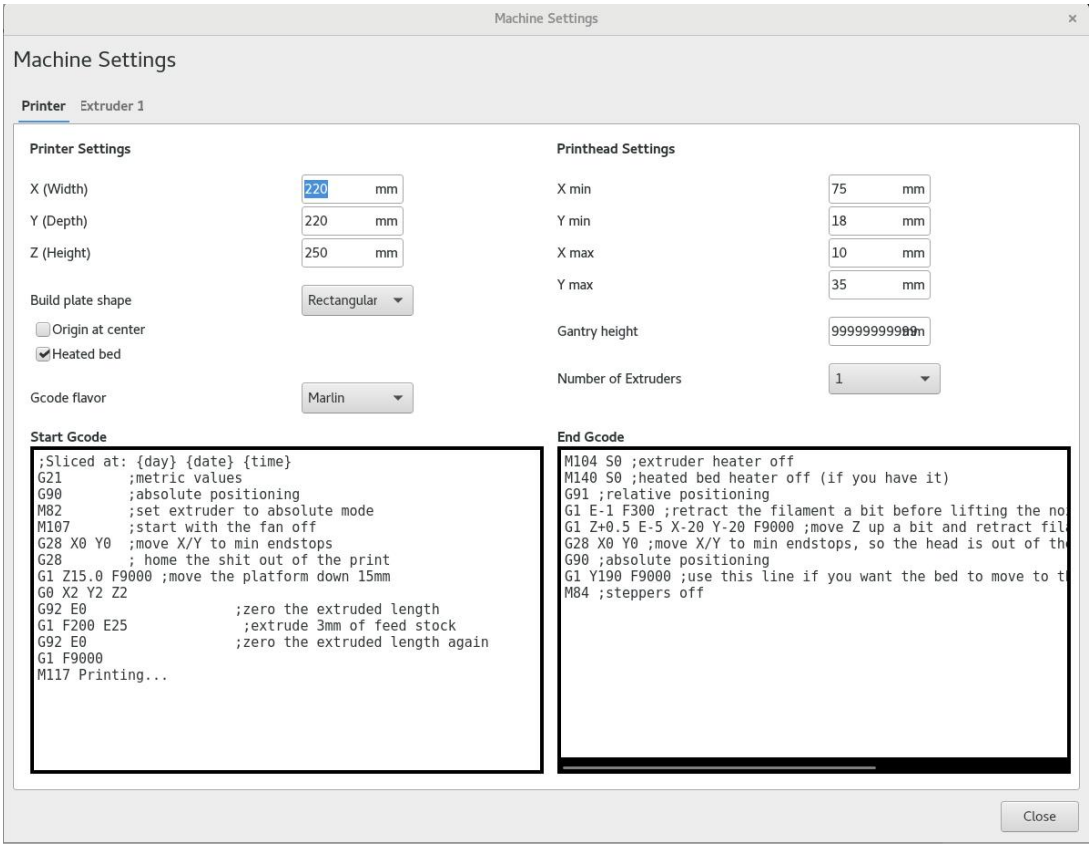



Machine Settings
Machine Settings
Printer
Extruder 1
Printer Settings
X (Width)
300
mm
Y (Depth)
300
mm
Z (Height)
400
mm
Build plate shape
Rectangular
Origin at center
Heated bed
Gcode flavor
Marlin
Printhead Settings
X min
20
mm
Y min
10
mm
X max
10
mm
Y max
10
mm
Gantry height
30
mm
Number of Extruders
1
Start Gcode
G28 ;Home
G1 Z15.0 F6000 ;Move the platform down 15mm
;Prime the extruder
G92 E0
G1 F200 E3
G92 E0
End Gcode
G91
G1 F1800 E-3
G1 F3000 Z10
G90
G28 X0 Y0 ; home x and y axis
M106 S0 ; turn off cooling fan
M104 S0 ; turn off extruder
M140 S0 ; turn off bed
M84 ; disable motors
Close


Machine Settings
Machine Settings
Printer
Extruder 1
Nozzle Settings
Nozzle size
0.4
mm
Compatible material diameter
1.75
mm
Nozzle offset X
0
mm
Nozzle offset Y
0
mm
Extruder Start Gcode
Extruder End Gcode
Close

Anet A6


Add Printer
Ultimaker
Custom
Custom FDM printer
Other
Printer Name:
Custom FDM printer
Add Printer


Machine Settings
Machine Settings
Printer
Extruder 1
Printer Settings
X (Width)
220
mm
Y (Depth)
220
mm
Z (Height)
250
mm
Build plate shape
Rectangular
Origin at center
Heated bed
Gcode flavor
Marlin
Printhead Settings
X min
75
mm
Y min
18
mm
X max
10
mm
Y max
35
mm
Gantry height
Number of Extruders
1
Start Gcode
;Sliced at: {day} {date} {time}
G21 ;metric values
G90 ;absolute positioning
M82 ;set extruder to absolute mode
M107 ;start with the fan off
G28 X0 Y0 ;move X/Y to min endstops
G28 ; home the shit out of the print
G1 Z15.0 F9000 ;move the platform down 15mm
G0 X2 Y2 Z2
G92 E0 ;zero the extruded length
G1 F200 E25 ;extrude 3mm of feed stock
G92 E0 ;zero the extruded length again
G1 F9000
M117 Printing...
End Gcode
M104 S0 ;extruder heater off
M140 S0 ;heated bed heater off (if you have it)
G91 ;relative positioning
G1 E-1 F300 ;retract the filament a bit before lifting the no
G1 Z+0.5 E-5 X-20 Y-20 F9000 ;move Z up a bit and retract fil
G28 X0 Y0 ;move X/Y to min endstops, so the head is out of th
G90 ;absolute positioning
G1 Y190 F9000 ;use this line if you want the bed to move to t
M84 ;steppers off
Close

Start Gcode:

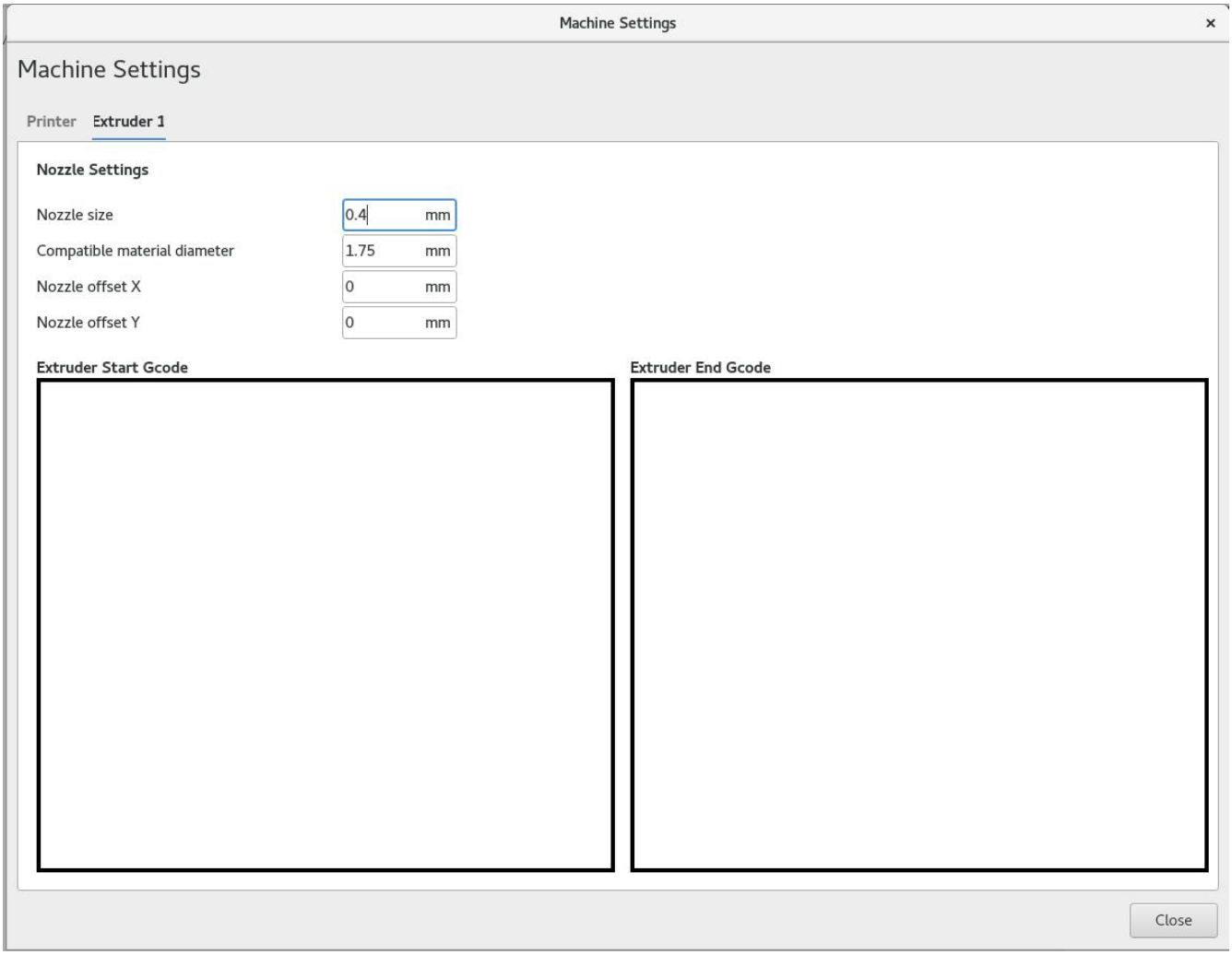
;Sliced at: {day} {date} {time}

G21 ;metric values
G90 ;absolute positioning
M82 ;set extruder to absolute mode
M107 ;start with the fan off
G28 X0 Y0 ;move X/Y to min endstops
G28 ; home the shit out of the print
G1 Z15.0 F9000 ;move the platform down 15mm
G0 X2 Y2 Z2
G92 E0 ;zero the extruded length
G1 F200 E25 ;extrude 3mm of feed stock
G92 E0 ;zero the extruded length again
G1 F9000
M117 Printing...

End Gcode:

M104 S0 ;extruder heater off

M140 S0 ;heated bed heater off (if you have it)
G91 ;relative positioning
G1 E-1 F300 ;retract the filament a bit before lifting the nozzle, to release some of the pressure
G1 Z+0.5 E-5 X-20 Y-20 F9000 ;move Z up a bit and retract filament even more
G28 X0 Y0 ;move X/Y to min endstops, so the head is out of the way
G90 ;absolute positioning
G1 Y190 F9000 ;use this line if you want the bed to move to the front. delete if not.
M84 ;steppers off



General Cura Settings

Make sure you have exited Cura

1. Under your Cura installation directory, navigate to /resources/definitions/
2. Before you edit anything, make a backup of the file: fdmprinter.def.json
3. Open fdmprinter.def.json in a suitable text editor such as Notepad++ (regular Notepad in Windows may cause problems with file formatting)
4. Replace Accelerations and Feedrates with values below.
5. Replace Jerk with values below.
6. Save the file, close it, and launch Cura.
7. Enjoy more accurate print time estimation!

```
"machine_max_feedrate_x":
{
    "label": "Maximum Speed X",
    "description": "The maximum speed for the motor of the X-direction.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 500,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_feedrate_y":
{
    "label": "Maximum Speed Y",
    "description": "The maximum speed for the motor of the Y-direction.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 500,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_feedrate_z":
{
    "label": "Maximum Speed Z",
    "description": "The maximum speed for the motor of the Z-direction.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 5,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_feedrate_e":
{
    "label": "Maximum Feedrate",
    "description": "The maximum speed of the filament.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 299792458000,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_acceleration_x":
{
    "label": "Maximum Acceleration X",
    "description": "Maximum acceleration for the motor of the X-direction",
    "unit": "mm/s²",
```

```
    "type": "float",
    "default_value": 9000,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_acceleration_y":
{
    "label": "Maximum Acceleration Y",
    "description": "Maximum acceleration for the motor of the Y-direction.",
    "unit": "mm/s²",
    "type": "float",
    "default_value": 9000,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_acceleration_z":
{
    "label": "Maximum Acceleration Z",
    "description": "Maximum acceleration for the motor of the Z-direction.",
    "unit": "mm/s²",
    "type": "float",
    "default_value": 100,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_acceleration_e":
{
    "label": "Maximum Filament Acceleration",
    "description": "Maximum acceleration for the motor of the filament.",
    "unit": "mm/s²",
    "type": "float",
    "default_value": 10000,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_acceleration":
{
    "label": "Default Acceleration",
    "description": "The default acceleration of print head movement.",
    "unit": "mm/s²",
    "type": "float",
    "default_value": 4000,
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
```

```
},
"machine_max_jerk_xy":
{
    "label": "Default X-Y Jerk",
    "description": "Default jerk for movement in the horizontal plane.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 20.0,
    "minimum_value": "0",
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_jerk_z":
{
    "label": "Default Z Jerk",
    "description": "Default jerk for the motor of the Z-direction.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 0.4,
    "minimum_value": "0",
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
"machine_max_jerk_e":
{
    "label": "Default Filament Jerk",
    "description": "Default jerk for the motor of the filament.",
    "unit": "mm/s",
    "type": "float",
    "default_value": 5.0,
    "minimum_value": "0",
    "settable_per_mesh": false,
    "settable_per_extruder": false,
    "settable_per_meshgroup": false
},
```