

# 3D Printer notes

Resonance Measurement configure → other settings → Advanced options → Measuring Resonances  
Select printer (moving print bed or static print bed) connect sensor to sonic pad Connect sensor to print head via bracket Test takes about 3 minutes detach sensor from print head and connect to print bed sonic pad will reboot

disable slicer acceleration control (cura etc)

klipper added input\_shaper section in printer.cfg

```
# [resonance_tester] # accel_chip: adxl345 # accel_per_hz: 70 # probe_points: # 117.5,117.5,10
```

```
[input_shaper] #shaper_type_x = mzv #shaper_freq_x = 56.4 #shaper_type_y = mzv #shaper_freq_y = 36.2
```

Pressure Advance <https://www.youtube.com/watch?v=JDis2X-QNZU>

I print everything at around 100mm/s and 3000mm/s accel

How To Tune Pressure Advance With Your Sonic Pad - Sonic Pad Intermediate Part 6

<https://www.youtube.com/watch?v=JDis2X-QNZU>

<https://moonraker.readthedocs.io/en/latest/configuration/#secrets>

Cura & Klipper: How to Make Them Work Together <https://all3dp.com/2/cura-klipper-tutorial/>

<https://docs.fluidt.xyz/features/cameras>

```
chmod 777 /opt/klipper/run/ docker compose -f docker-klipper.yml up -d docker exec -ti klipper /bin/bash
```

Determine if your printer has Z\_HOMING\_HEIGHT set.

This setting raises the Z-axis on any homing event to avoid collisions. You can check your printer firmware configuration or in a resting state issue the command G28 X0 Y0 in the command terminal and observe if the Z-axis is raised, and by how much. This value is used for Z\_HOMING\_HEIGHT.

The Save Frequency setting determines how often the plugin will write the current state information to disk in seconds. Lower values (0.3-0.5) provide greater accuracy at the expense of a greater number of disk writes. Larger values risk missing a greater number of commands.

Klipper firmware. You must have the [force\_move] section with the enable\_force\_move=true option in your Klipper configuration. Check the appropriate box in the settings. If [safe\_z\_home] is set, use the z\_hop value as Z\_HOMING\_HEIGHT.

For other setting information, visit the plugin homepage.

```
# printer.cfg
```

```
[delayed_gcode delayed_printer_off] initial_duration: 0. gcode:
```

```
{% if printer.idle_timeout.state == "Idle" %}  
    POWER_OFF_PRINTER  
{% endif %}
```

[idle\_timeout] gcode:

```
M84  
TURN_OFF_HEATERS  
UPDATE_DELAYED_GCODE ID=delayed_printer_off DURATION=60
```

From:

<http://wuff.dyndns.org/> - **Wulf's Various Things**

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