

# Plastic Tap R8 v. FlexTap

Resonance testing

# Belt Shaper

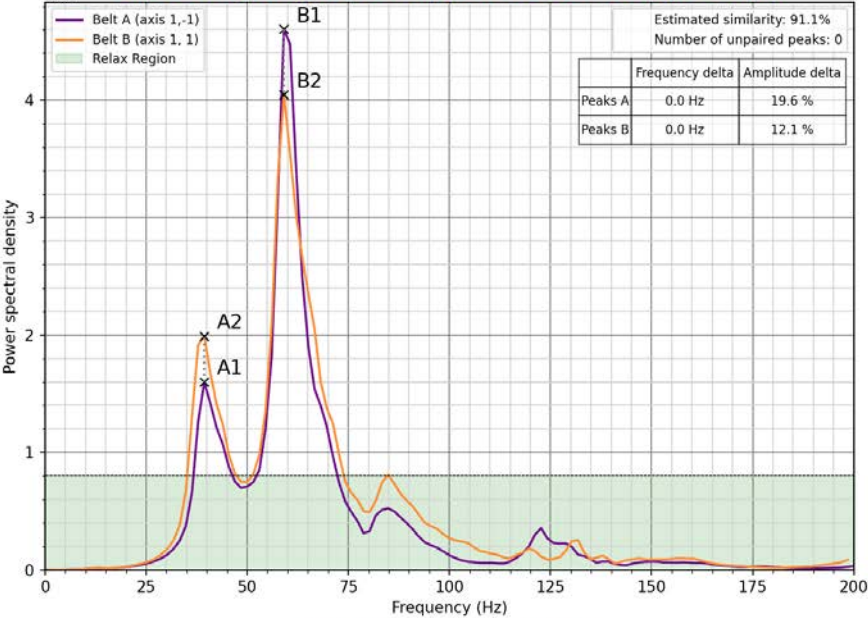


## RELATIVE BELT CALIBRATION TOOL

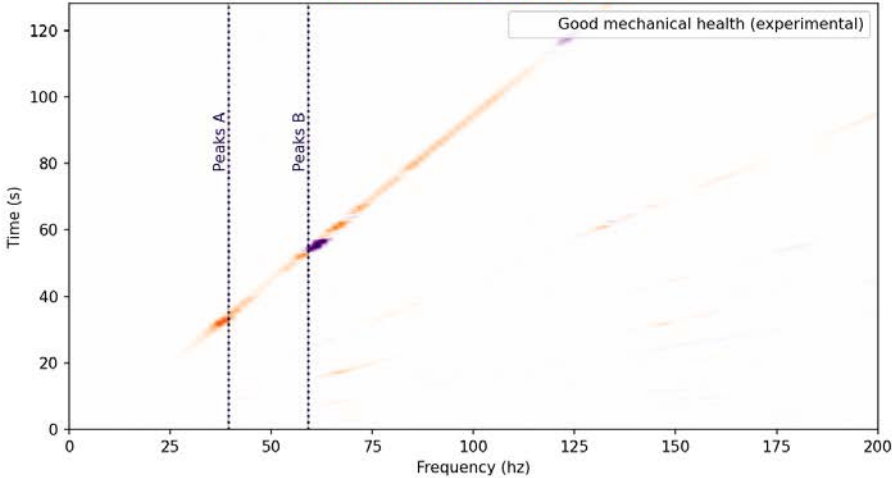
28/02/24 06:35:17

v2.6.0-2-g312a9c9

### Belts Frequency Profiles (estimated similarity: 91.1%)



### Differential Spectrogram



FlexTap

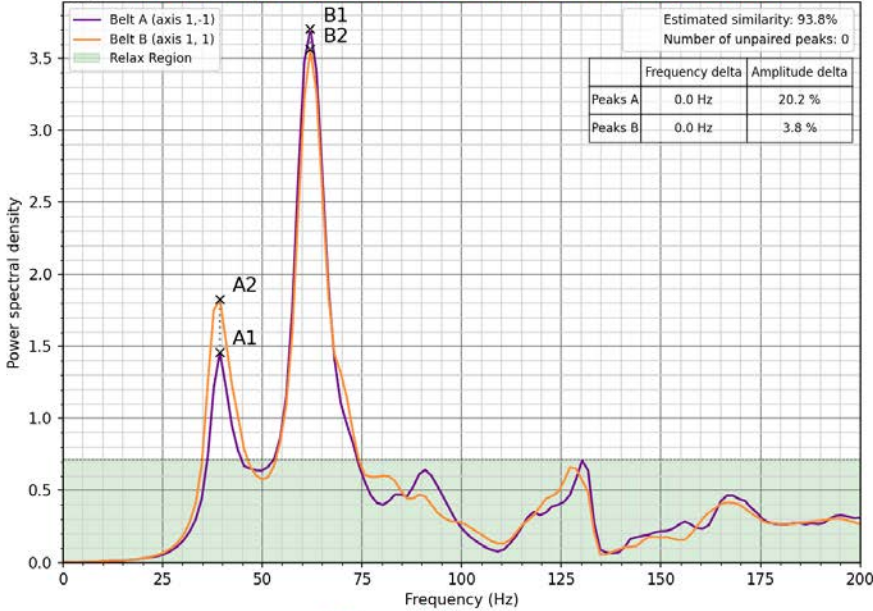


## RELATIVE BELT CALIBRATION TOOL

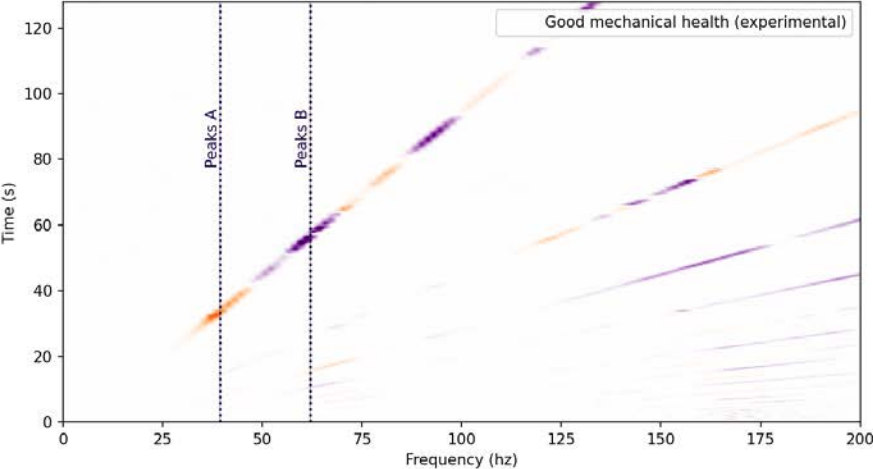
01/03/24 10:58:03

v2.6.0-2-g312a9c9

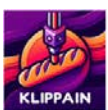
### Belts Frequency Profiles (estimated similarity: 93.8%)



### Differential Spectrogram







# INPUT SHAPER CALIBRATION TOOL

v2.6.0-2-g312a9c9

28/02/24 06:37:42 -- X axis

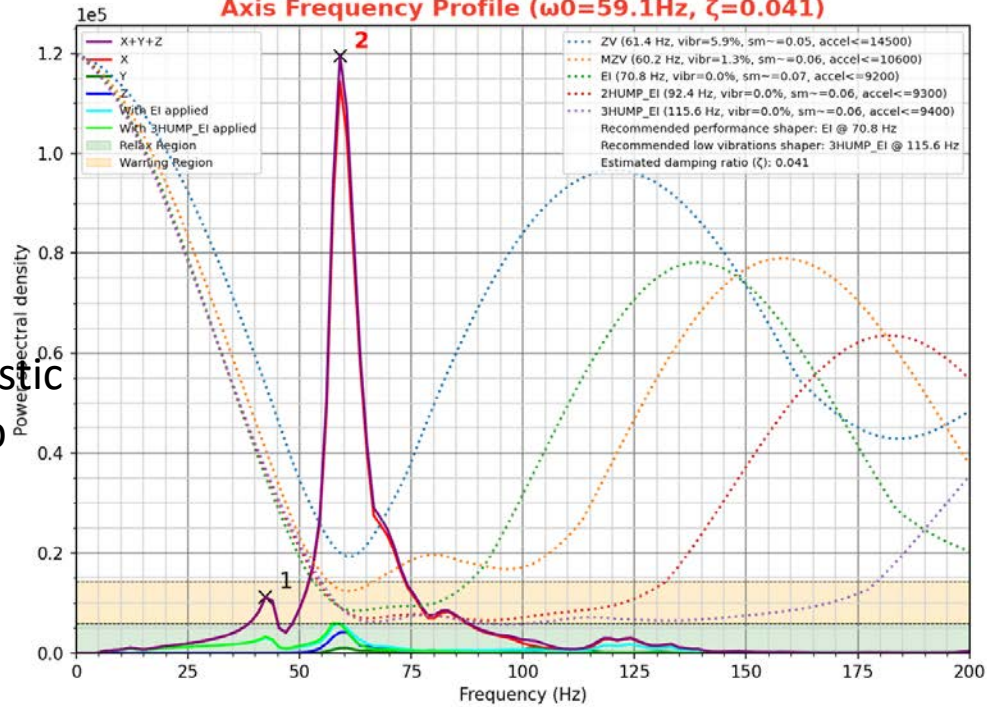
Square corner velocity: 5.0mm/s  
Max allowed smoothing: None



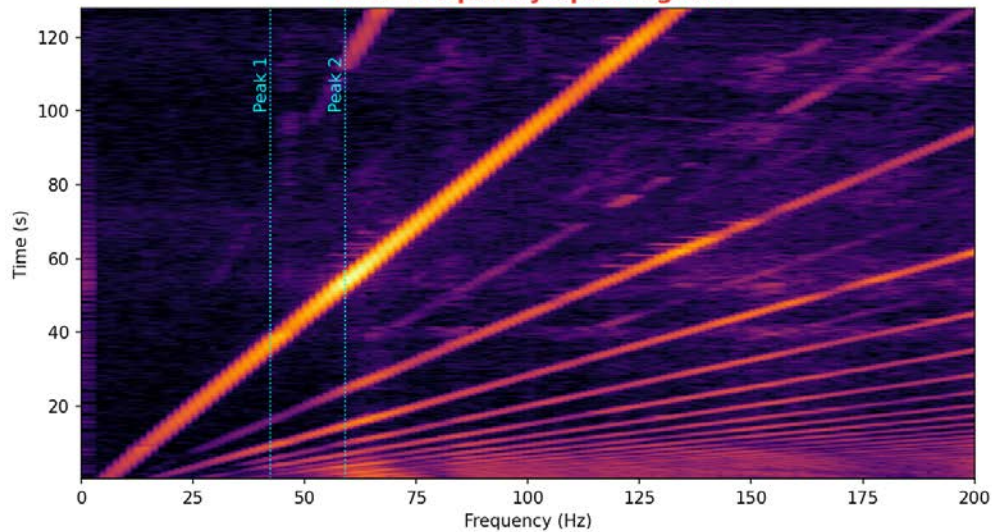
01/03/24 11:03:44 -- X axis

Square corner velocity: 5.0mm/s  
Max allowed smoothing: None

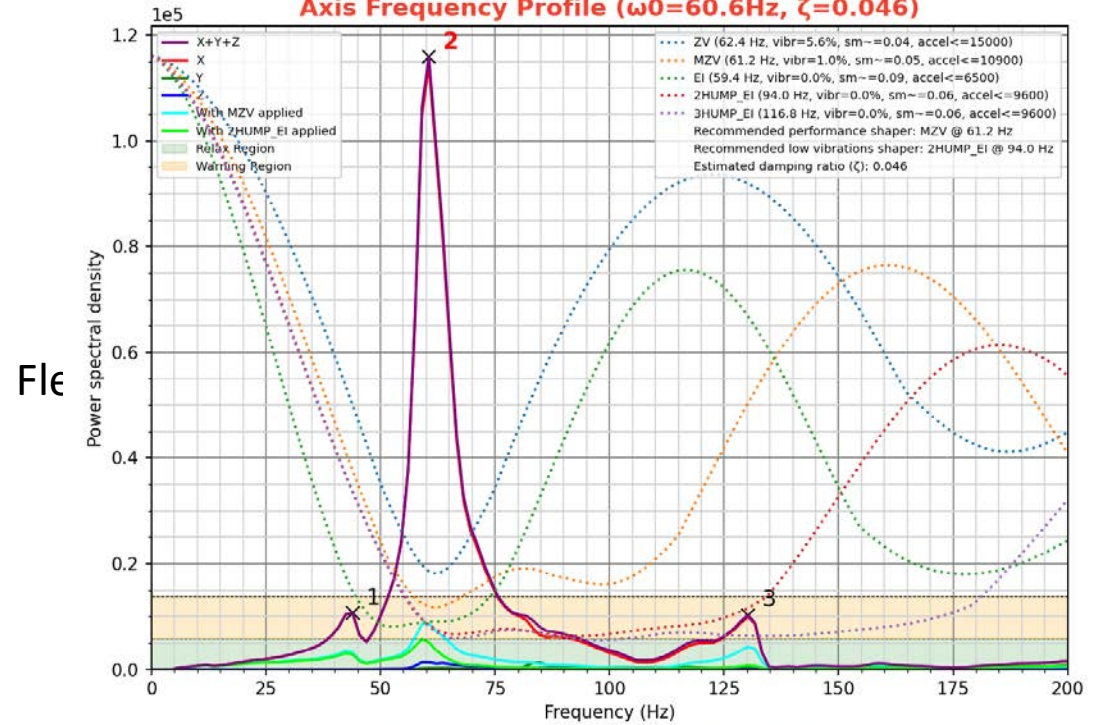
### Axis Frequency Profile ( $\omega_0=59.1\text{Hz}$ , $\zeta=0.041$ )



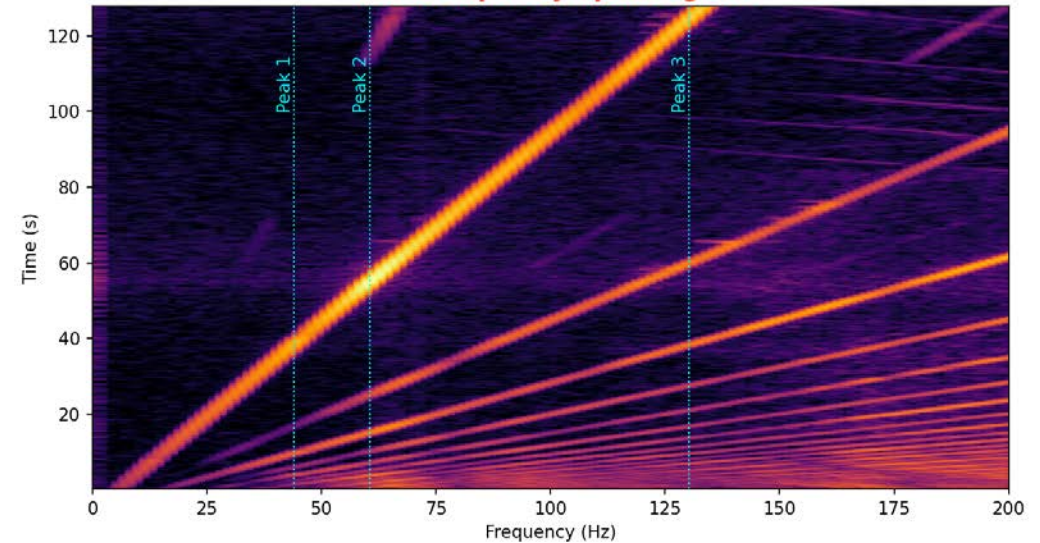
### Time-Frequency Spectrogram



### Axis Frequency Profile ( $\omega_0=60.6\text{Hz}$ , $\zeta=0.046$ )



### Time-Frequency Spectrogram



Plastic  
Tap  
R8



# Input shaper Y

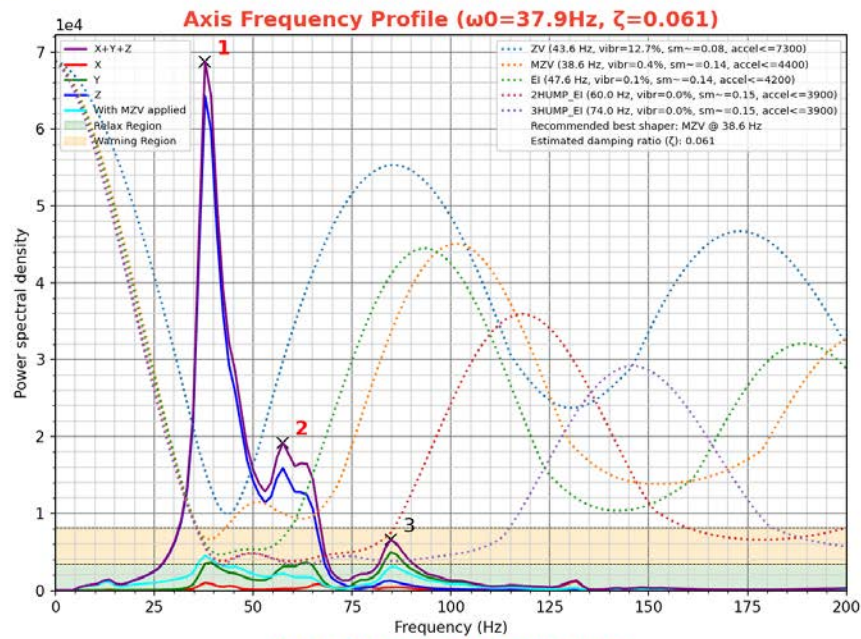


## INPUT SHAPER CALIBRATION TOOL

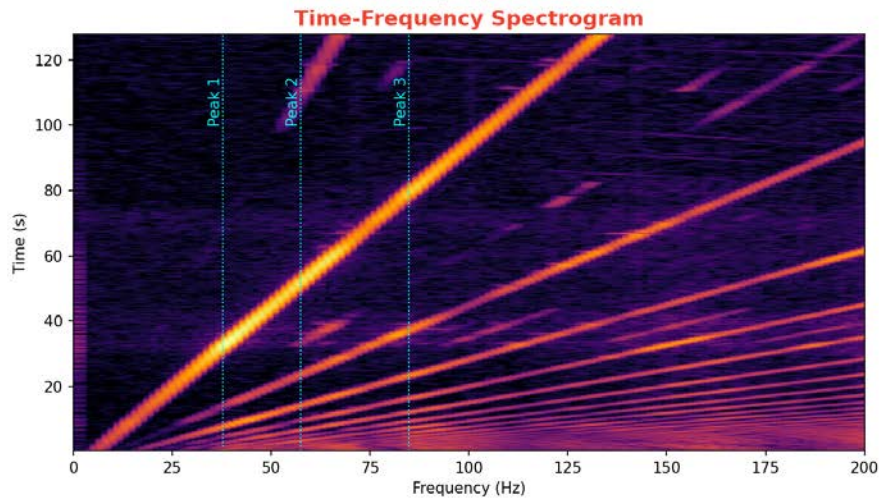
v2.6.0-2-g312a9c9

28/02/24 06:40:07 -- Y axis

Square corner velocity: 5.0mm/s  
Max allowed smoothing: None



Plastic  
Tap  
R8

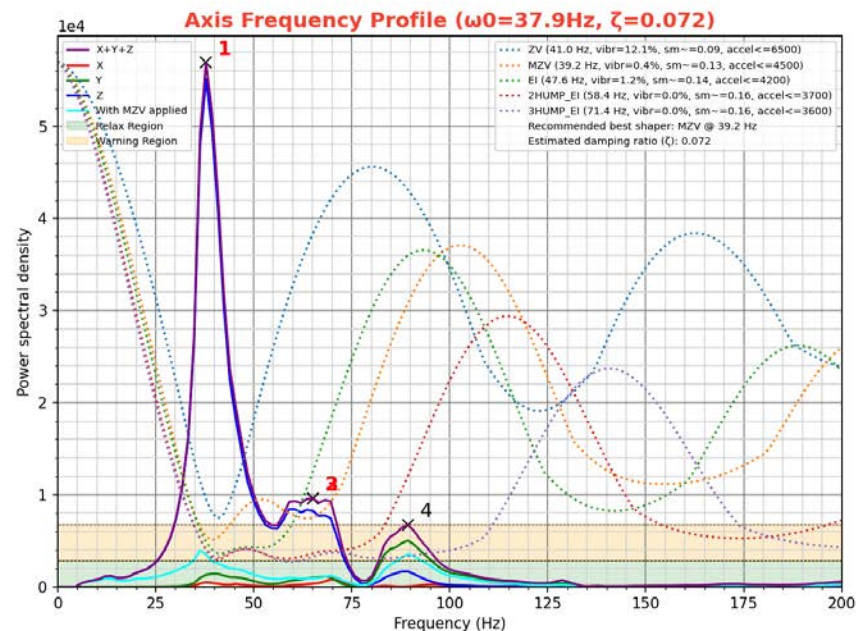


## INPUT SHAPER CALIBRATION TOOL

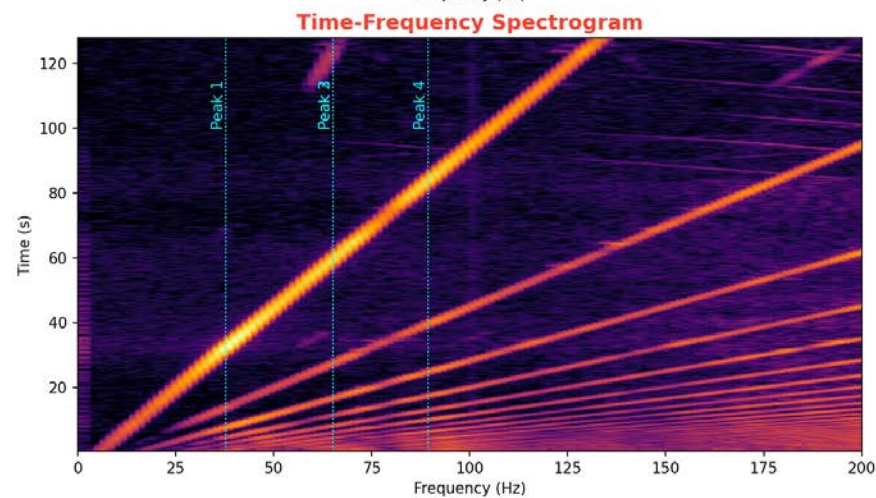
v2.6.0-2-g312a9c9

01/03/24 11:06:12 -- Y axis

Square corner velocity: 5.0mm/s  
Max allowed smoothing: None



FlexTap



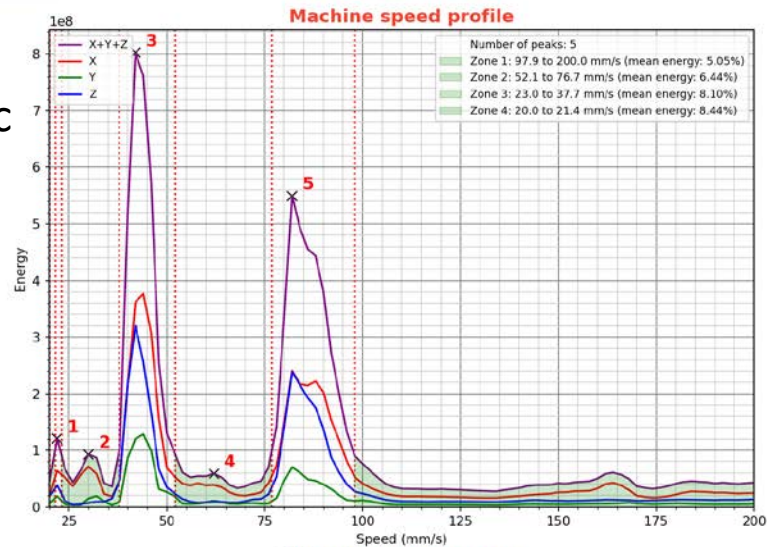


# Vibrations Calibration



## VIBRATIONS MEASUREMENT TOOL

20/02/24 13:34:52 -- XY axis at 3000 mm/s<sup>2</sup>



Plastic  
Tap  
R8

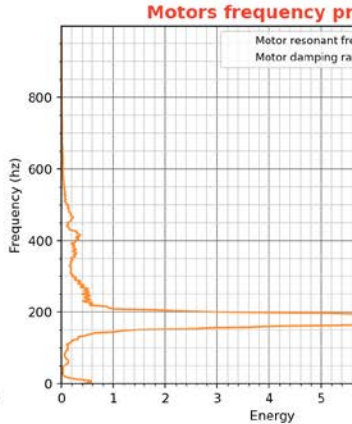
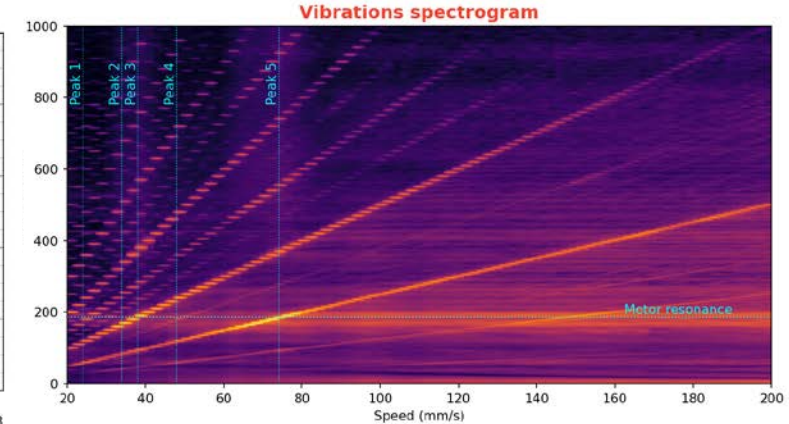
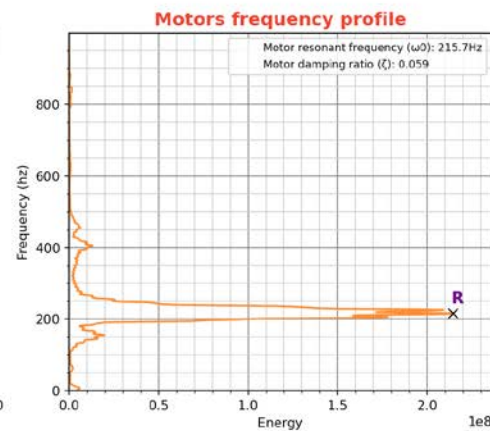
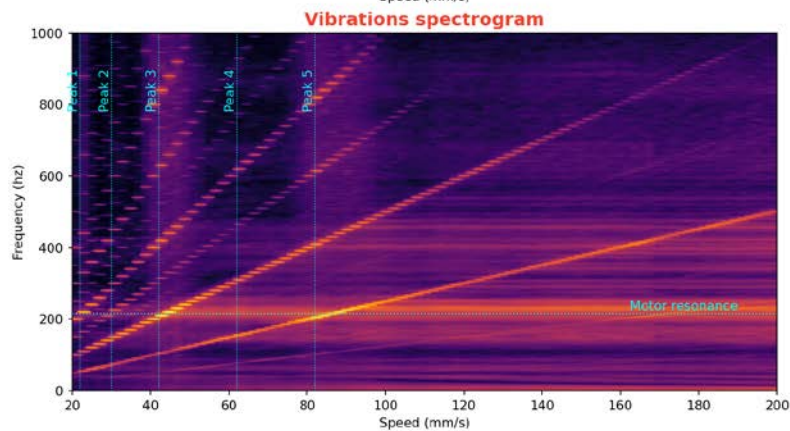
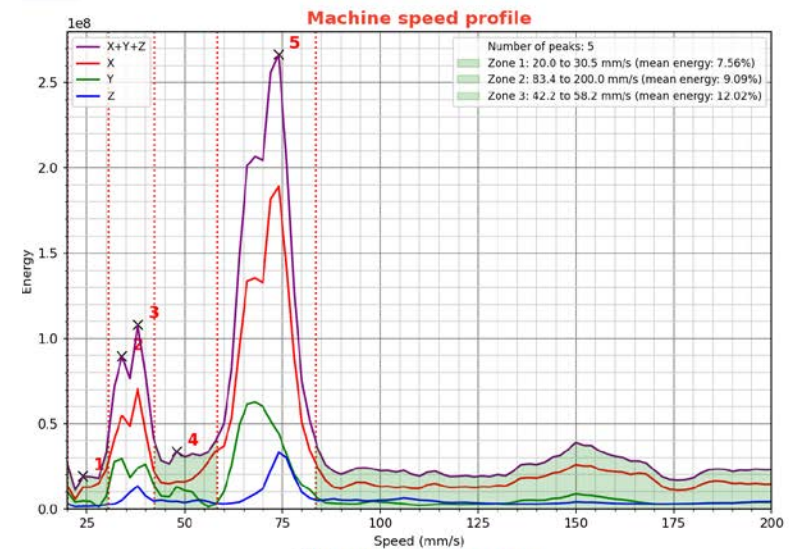
FlexTap

v2.6.0-1-gf4e703a

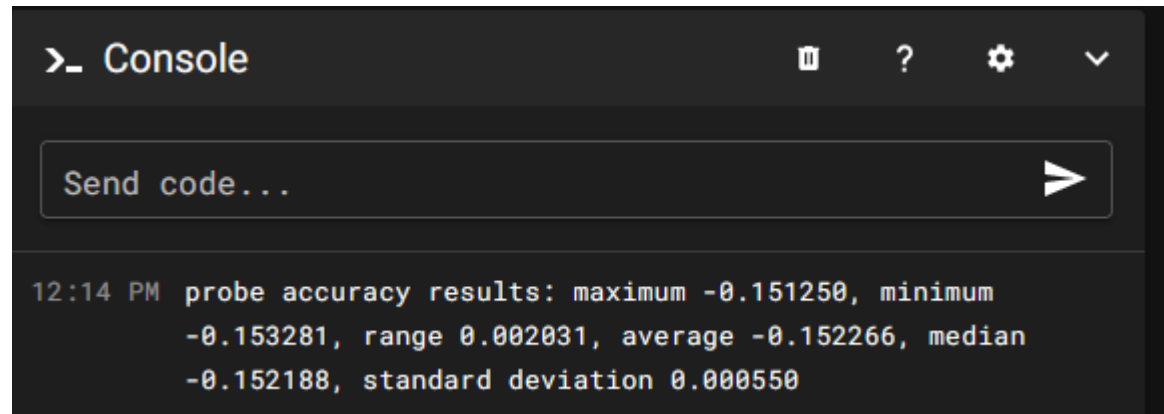


## VIBRATIONS MEASUREMENT TOOL

01/03/24 11:14:09 -- XY axis at 3000 mm/s<sup>2</sup>



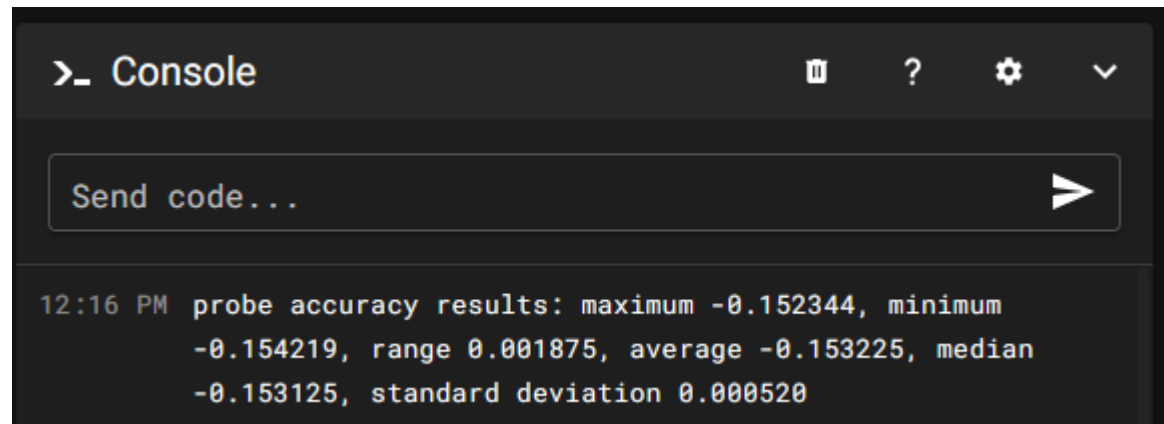
# Probe accuracy samples=50



The screenshot shows a console window with a dark background. At the top, there's a header bar with the text ">\_ Console" and several icons (trash, question mark, settings, and a dropdown arrow). Below the header is a text input field containing "Send code..." with a right-pointing arrow button. The main area of the console displays the following text: "12:14 PM probe accuracy results: maximum -0.151250, minimum -0.153281, range 0.002031, average -0.152266, median -0.152188, standard deviation 0.000550".

```
>_ Console
Send code...
12:14 PM probe accuracy results: maximum -0.151250, minimum
-0.153281, range 0.002031, average -0.152266, median
-0.152188, standard deviation 0.000550
```

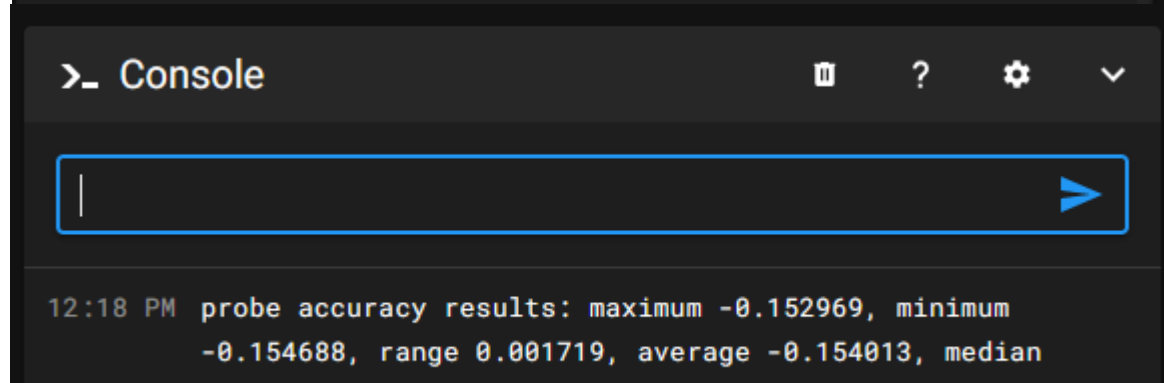
Run #1



The screenshot shows a console window with a dark background. At the top, there's a header bar with the text ">\_ Console" and several icons (trash, question mark, settings, and a dropdown arrow). Below the header is a text input field containing "Send code..." with a right-pointing arrow button. The main area of the console displays the following text: "12:16 PM probe accuracy results: maximum -0.152344, minimum -0.154219, range 0.001875, average -0.153225, median -0.153125, standard deviation 0.000520".

```
>_ Console
Send code...
12:16 PM probe accuracy results: maximum -0.152344, minimum
-0.154219, range 0.001875, average -0.153225, median
-0.153125, standard deviation 0.000520
```

Run #2



The screenshot shows a console window with a dark background. At the top, there's a header bar with the text ">\_ Console" and several icons (trash, question mark, settings, and a dropdown arrow). Below the header is a text input field with a blue border and a blue right-pointing arrow button. The main area of the console displays the following text: "12:18 PM probe accuracy results: maximum -0.152969, minimum -0.154688, range 0.001719, average -0.154013, median".

```
>_ Console
12:18 PM probe accuracy results: maximum -0.152969, minimum
-0.154688, range 0.001719, average -0.154013, median
```

Run #3