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Tip Designer

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XYZ 20mm Calibration Cube

by [iDig3Dprinting](#) January 19, 2016





Thing Details

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Summary

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Tags

[2020](#), [2020 cube](#), [calibration](#), [calibration test](#), [test print](#)

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to further calibrate your 3D printer print one out and you can then measure this models dimensions against the expected dimensions.

Once this is done you are able, if your 3D printer allows it, to adjust your Steps per mm in your printers firmware.

if:

e= expected dimension

o = observed dimension

s = current number of steps per mm

then:

$(e/o) \times s$ = your new number of steps per mm

In part though this is the result of a guide on how to make your own 3D printer calibration cube using Freecad (<https://www.idig3dprinting.co.uk/news/how-to-guides/create-a-3d-printer-calibration-cube-in-freecad/>)

So why not have a go at making your own!

Print Settings

Printer brand:

RepRap

Printer:

Prusa i3 rework

Rafts:

No

Supports:

No

Resolution:

0.1mm

Infill:

30%

How I Designed This

Designed using this guide

If you want to know how we designed it then please take a look at our post on the subject. All the information is there so that you can design your own (<https://www.idig3dprinting.co.uk/news/how-to-guides/create-a-3d-printer-calibration-cube-in-freecad/>)

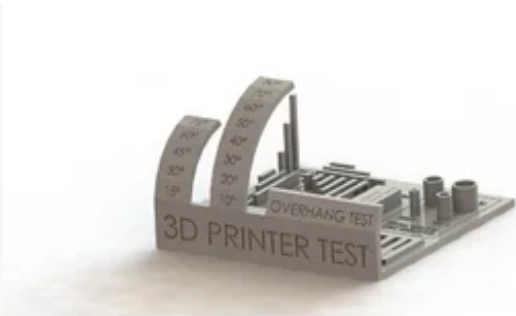
More from [3D Printing Tests](#)



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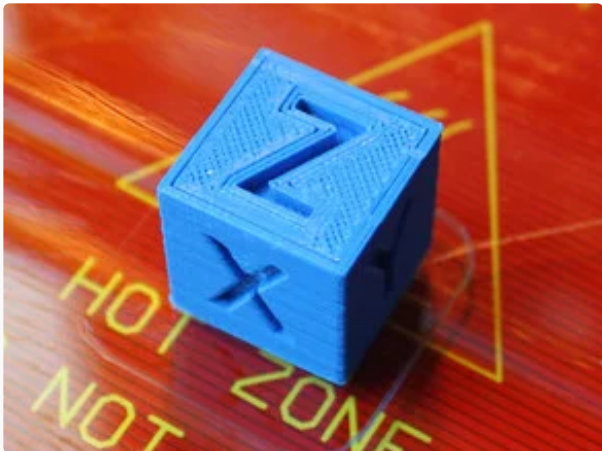
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