Calibrating your printer

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VIEW IN BROWSER

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Summary

This test structure is supposed to help calibrating your printer. It is a square ring with outer distance = 100mm and...

3D Printers > Test Models

Tags: thingiverse

This test structure is supposed to help calibrating your printer.

It is a square ring with outer distance = 100mm and inner distance 90mm.

Instructions

Print the structure.

Repeat the procedure for both X and Y Axis

(The X axis has a marker included along its way.)

With a caliper measure the outer length and name it "A"

With a caliber measure the inner length and name it "B"

F = 190 /(A+B)

D = (100B / 90 A) / 190

F is the Scale by which the axis is wrong

D is the Delta offset in mm,

In my case F is 1.008, D = -0.09

This means, I will multiply the steps/mm of my axis by 1.008 and

enter the new value.

As D is -0.09 mm this means, I will have to rasp the plastic item by 0.09 mm on all outer and inner faces to get correct dimensions.

Hope this helps!

Category: 3D Printing Tests

Model files

calibrate.stl

Find source .stl files on Thingiverse.com

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