



Y-axis mod (MK3 style) for MK2/2.5/S with belt tensioner



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VIEW IN BROWSER

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Summary

Based on great design by @pcky and remix by @matthewlegates

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Tags: [mk25s](#) [prusai3mk25s](#) [mk25splus](#)

Custom Y-axis ends for MK2/MK2.5/MK2.5S printers. Stiff and with belt tensioner - no more hassle with loosen belt or X/Y axes not being perpendicular.

Based on great design by @pcky <https://www.printables.com/model/135834-prusa-i3-mk2s-mk25-y-axis-upgrade> and remix from @matthewlegates <https://www.thingiverse.com/thing:4791446>

LCD supports (standard MK3 type) included - modified for hex nuts instead of the square ones.

EDIT:

Added another version of LCD supports - for compatibility with replacement LCDs (as mine from AliEx has larger contrast pot that doesn't fit the holder)

What you need:

3x M3x18 screws for the y-axis stepper motor

4x M3x20 screws and 4 hex nuts for the LCD supports

2x M3x20 screw and 2 nylon locking nuts for the tensioner

16 mm shaft for the belt tensioner pulley - cut out of a M3 screw

Y-axis front and back:

PETG

0,20 layer thickness

15% grid infill

7 perimeters

5 top and bottom layers

no supports

I printed the tensioner pulley cover with brim, but it shouldn't be necessary

Tensioner and LCD supports:

PETG

0,20 layer thickness

15% rectilinear infill

2 or 3 perimeters

no supports

This remix is based on

Prusa i3
MK2(S)
& MK2.5
y axis
upgrade

Prusa i3 MK2(S) & MK2.5 y axis upgrade
by pcky

Model files

y-axis-tensioner.stl

y-axis-front.stl

y-axis-back.stl

lcd-support-r.stl

lcd-support-l.stl

lcd-support-l-bigpot.stl

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