

SWINKS - K40 Laser Upgrade Guide

Swinks will be releasing a number of “manuals” / “how to guides” of how to upgrade your K40 Laser to improve it’s processing area, speed and accuracy.

It will be referenced from here on in as a SK40 Build / Upgrade.

Many people have developed their own designs / concepts, in which many are successful in providing solutions and options for improving the process area, speed and accuracy. This guide is the SK40 approach.

I will try to keep it as basic as possible where you can simply buy the parts your need to then assemble and get started. There will be some minor exceptions being the K40 cabinet modifications which you will need to do yourself and any stands you need to make but I will provide a step by step guide on my approach.

The SK40 approach will be using a height adjustable laser head over having a height adjust bed - both which have advantages and disadvantages.

The “manuals” / “how to guides” will be released as I achieve certain stages of work as this is just a hobby and not a business for me and I get nothing out of this.

When I refer to 3D printed parts they can be found at Shapeways in which you can order the parts which are solid nylon and not semi-hollow home prints and you can pick amongst a number of colour options. If you become a member of Shapeways you can then see the download button and make the parts yourself if you have a printer **BUT you are not to profit and sell these parts and if I discover my parts for sale I will remove all free download access.**

Use this link to find the parts.

<https://www.shapeways.com/marketplace?q=swinkssk40&sort=newest>

The Guides to be released will be:

1. SK40 Laser Guide - *now available*
2. SK40 Laser Stand -
3. SK40 Cabinet Modifications (Part 1 & 2) - *Parts 1 & 2 now available*
4. SK40 Control Box (Part 1, 2 & 3) - *Part 1 & 2 now available*
5. SK40 Larger Lid -
6. SK40 Laser Frame / Gantry -