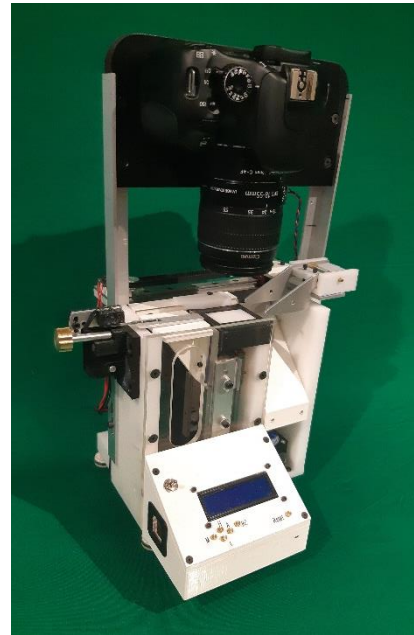


A Scanner to Digitize 35mm Slides

This project is aimed at the development and construction of an automated scanner to digitize 35mm slides. The system uses an SLR camera to acquire the images. These files are made available to aid those interested in building such a system. This site will contain a number of files which attempt to explain the design, assembly and use of the scanner including:

- 1- A .3ds Fusion 360 file of the assembled scanner and all its components
- 2- A .step file of the assembled scanner and its components.
- 3- An overview of the system assembly and operating principle.
- 4- A list of drawing files of the various components. These were derived from the Fusion 360 model and any questions about dimensioning should be checked against the Fusion 360 model.
- 5- The Arduino code used to run the scanner.
- 6- Gerber files for a circuit board to make a small light box.
- 7- A document explaining the electronic schematic for the system control board.
- 8- A manual explaining the use of the 35mm scanner.



This project requires machining of mechanical components, a number of 3D printed components, possible software modifications and prototype electronics wiring. It is highly recommended that those interested in pursuing this project have access to Fusion 360 and be familiar with its use. A video introduction to the 35mm slide scanner can be found at: <https://vimeo.com/556879099>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.