Ciclop 3D Scanner

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(a picture of the finished product to go here)

Intro

This device is designed to scan small objects ... (not in great detail)

Project Outline

Initial aim was to build & get to scanning objects. We have had some success in getting it to work (mostly software related problems) but found short comings in operation ... (more explanation follows)

Future Direction

After several failed attempts to get this to work, will need to do a rethink on the design & look at building in some vertical adjustment to camera ... will also need to update to higher resolution images along with computing power with capacity to process the scanned images ...

Materials

(List the materials you used, with dimensions, and quantities. This is often easier to do once the project is at the beta testing stage, but that means you will need to keep a list as you go. It is useful to collect the details of suppliers, quantities, prices and websites in an Excel sheet as an aid to those who follow you - you can upload the Excel table at the end of this document in the space provided)

Tools

(List all the tools you used to complete the project, eg: from #1 Philips screwdrivers, to the CNC machine)

Instructions

(This is where you put the step-by-step photos showing how to carry out your project, as well as an explanation in words. Rename the steps as you like, use italics or bold for emphasis.

Don't forget to include design files for CNC, laser cutting or 3D printing but remember they need to be zipped before uploading to the Wiki (it is also useful if they are in a transferable format, .svg rather than .ai, for example).

Step One:

Step Two:

Step Three:

Step Four:

etc ...

Development notes

(This is where you can put ideas that you tried, but which did not work and why !)

Feedback

(Here you can put any suggestions from users that you have not yet implemented, and mention any unforeseen difficulties encountered in operation or construction)

References

This were you put external links like LED generator, if they have not appeared in the Instructions.

Files

This is where you put files for laser cutting, Excel sheets of suppliers etc..

Links

Web site from which this design was taken from : https://www.thingiverse.com/thing:740357

Project Progress

A running summary of how the project is going so that others can follow. Diary type entries, with dates, would be a good format.

Log of works

- Basic assembly complete … Needs more work. … 2017
- Ordered replacement Stepper board … Arrived. …
- Look at Order vertical stepper slide …
- Need to Draw up Vertical slide mechanism … 2018

Project Table

Project	Percent Complete	Project Lead	Status	Budget Req	Budget Approved	Next Major Milestone	Subsequent Milestones to complete
3d_scanner	80%	Andrew		$100	?	Redesign vertical element	get updated system operational