



YOUIMAGINE

The "Calamari Kid".

By: (gzumwalt)

License: Commercial use is not allowed, you must attribute the creator, you may remix this work and the remixed work should be made available under this license.

Published on: May 14, 2020

Located at: <http://www.youmagine.com/designs/the-calamari-kid>

Short description:

A 3D printed illusion themed automata.

Description:

<https://youtu.be/-MzHIXwD5q4> Never trust a Caped Calamari... The "Calamari Kid" is the third in a series of "illusion" themed automata I've designed. With a press of the calamari kid coin ("CK"), the model performs a "shell game" themed illusion. Inspired by the "swedish handcraft" hand cranked shell game themed automaton, this model is a battery powered motor driven electro mechanical design utilizing gears, cams, levers, arms and wheels to recreate a shell game illusion in a calamari (cooked octopus) form factor. Drawing an average of 9ma of current (maximum 14ma, minimum 7), the mechanism is easily suitable for solar powered operation. As usual I probably forgot a file or two or who knows what else, so if you have any questions, please do not hesitate to ask as I do make plenty of mistakes. Designed using Autodesk Fusion 360, sliced using Cura 4.6.1, and 3D printed in PLA on an Ultimaker 2+ Extended, an Ultimaker 3 Extended and an Ultimaker S5.

If you can, please use the online documentation found at <http://www.youmagine.com/designs/the-calamari-kid> because those may have been been updated. Also, there you can interact and provide praise and/or feedback.