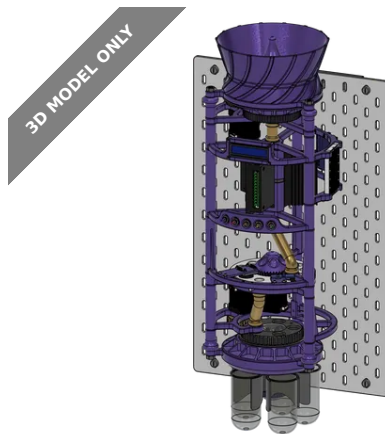




Skadis automatic skittles organizer



[VIEW IN BROWSER](#)

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Summary

This machine organizes skittles by color utilizing an RGB sensor and arduino mega.

[Art & Design](#) > [Wall-mounted](#)

This machine organizes skittles by color into neat little containers. mounts on skådis for maximum practicality. Reference the STEP assemblies for assembling.

Part list:

-M8x500mm threaded rods. 3x

-Arduino mega

-Nema 17 x3

-Nema 17 drivers x 3

-Breadboard

-jumperwires

various M3 hardware

This remix is based on



SKADIS Universal Hook - base and modified hooks

by galvanization



Ikea Skadis Detailed Model Full Assembly (Design Resources)

by 6d6178

Model files



STEP assemblies

5 files



organizer-unit.step



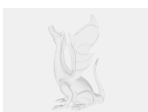
hopper-unit.step



color-identifying-unit.step



electronics-unit.step



automatic-skadis-mounted-skittles-organizer.step



Organizing unit

12 files



brsensor-acket.3mf



botte.3mf



motorfeste.3mf



bearing-surface.3mf



rotor.3mf



bottle-holder.3mf



rotor-nut.3mf



bottle-holder-center.3mf



screw.3mf



catcher-pinion.3mf



spacer.3mf



bearing-bracket.3mf



Color identification unit

11 files



feeding-tube.3mf



shaft.3mf



rgb-bracket.3mf



rotor.3mf



hook_-no_filets.3mf



base.3mf



obstacle-sensor-brackett.3mf



contrast-ring.3mf



rgb-sensor-cover.3mf



sensorbracket.3mf



nut.3mf



Hopper unit

8 files



bearing-surface.3mf



hopper-main-nut.3mf



distributor.3mf



pinion.3mf



funnel.3mf



skittles-rotor.3mf



spacer.3mf



hopper-motor-mount.3mf



Electronics unit

9 files



hook_-_no_filets.3mf



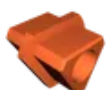
feeder-tube.3mf



driver-mount-mirror.3mf



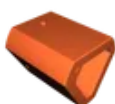
switch-bracket.3mf



driver-mount-connecting-piece.3mf



rotor.3mf



driver-mount.3mf



arduino-and-breadboard-bracket.3mf



screen-bracket.3mf

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