

DexArm USB Microscope Effector

a ahorn

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updated 24. 2. 2024 | published 24. 2. 2024

Summary

An effector for the DexArm to pick up one of these cheap (10-20€ on AliExpress/Amazon/Ebay) but great Chinese USB...

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An effector for the DexArm to pick up one of these cheap (10-20€ on AliExpress/Amazon/Ebay) but great Chinese USB microscopes. Due to the fine control and steadiness of the DexArm it's like a charm to examine things with the microscope. Everyone owning such a microscope might know how hard it is to focus it on the right spot by hand or with the really wonky stand that comes with the microscope.

Print Settings

Printer Brand:

Ultimaker

Printer:

Ultimaker 3

Rafts:

No

Supports:

Yes

Resolution:

0.2

Infill:

20%

Filament: Material4Print PET-G White

Notes:

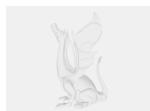
Set initial layer horizontal expansion to -0.2mm to reduce the elephants foot.

Post-Printing =====

Be sure to properly remove all brim or any kind of the "elephants foot", otherwise the effector might stuck within the DexArm and is only very hard to remove! Do not push it in with force! Rather try to print it scaled down (on x and y axis) a little bit if it won't fit.

Demonstration

Category: Robotics

Model files

microscope-mount.stp



microscope-mount.stl

[Find source .stl files on Thingiverse.com](#)

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