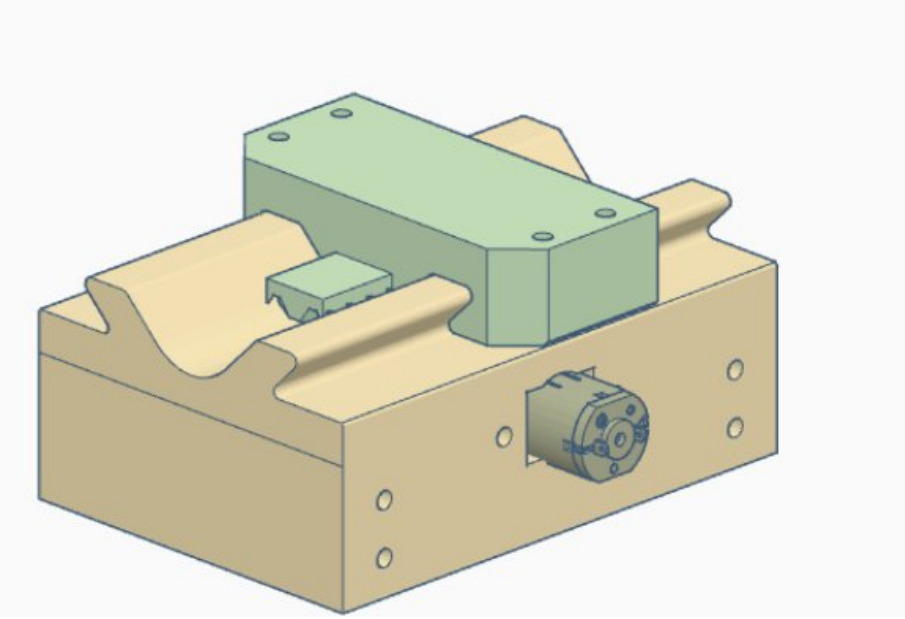
Cheap Lab

Low-cost laboratories through 3D printing innovation

Bangkok University Low Cost 3D printed laboratory

Linear moving stage (Motorized stage)



BUCROCCS – Bangkok University

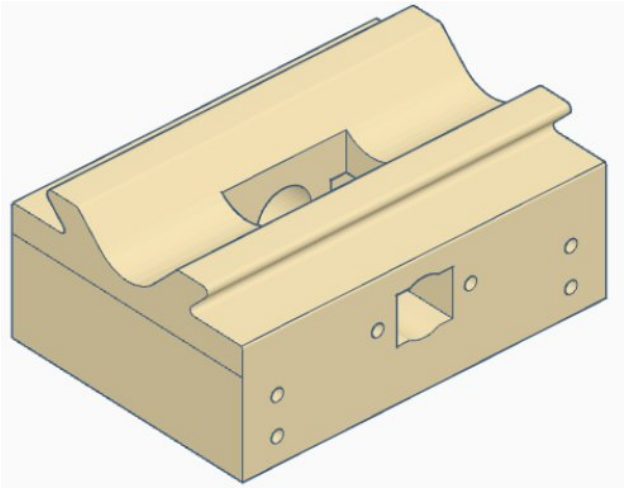
2025

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Parts

Printable

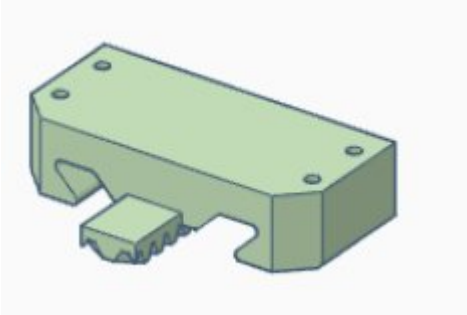
1. Main base



2. Gear



3. Sliding stage

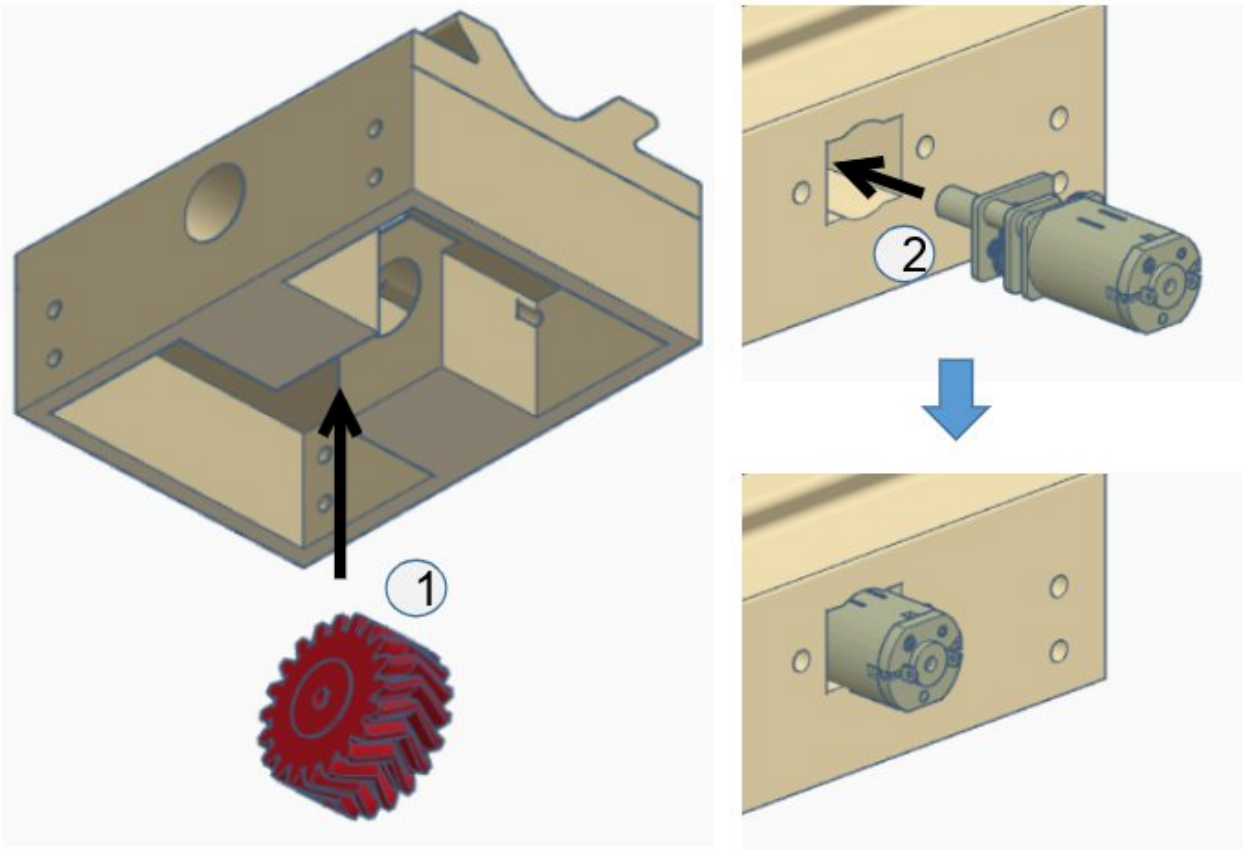


Extras

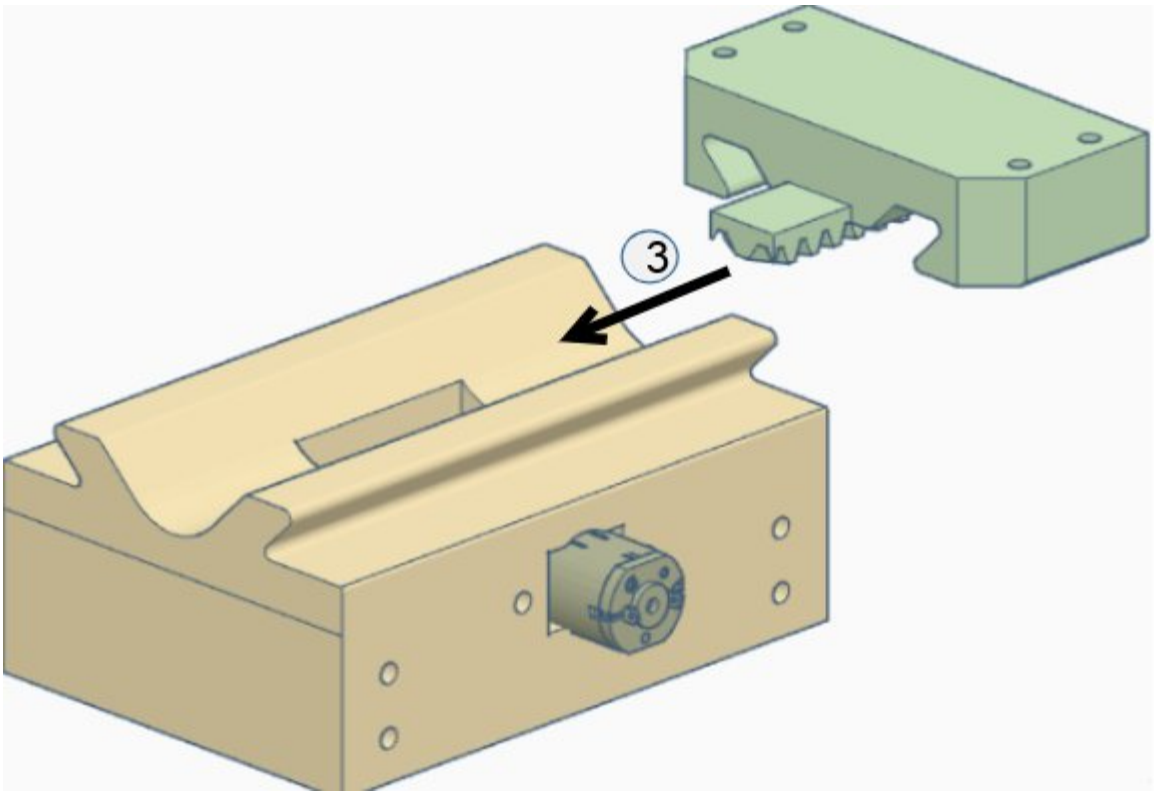
1. N20 Micro-reduction DC motor 3V-6V DC



Assembling the stage



1. From the bottom side, push the gear to be aligned with the holes both sides. Ensure that the gear is clicked into the central hole and that it can rotate freely.
2. Push the N20 DC motor from the side and ensure that the motor shaft is aligned will inside the gear.



3. Slide the slider to reach the gear part from the top