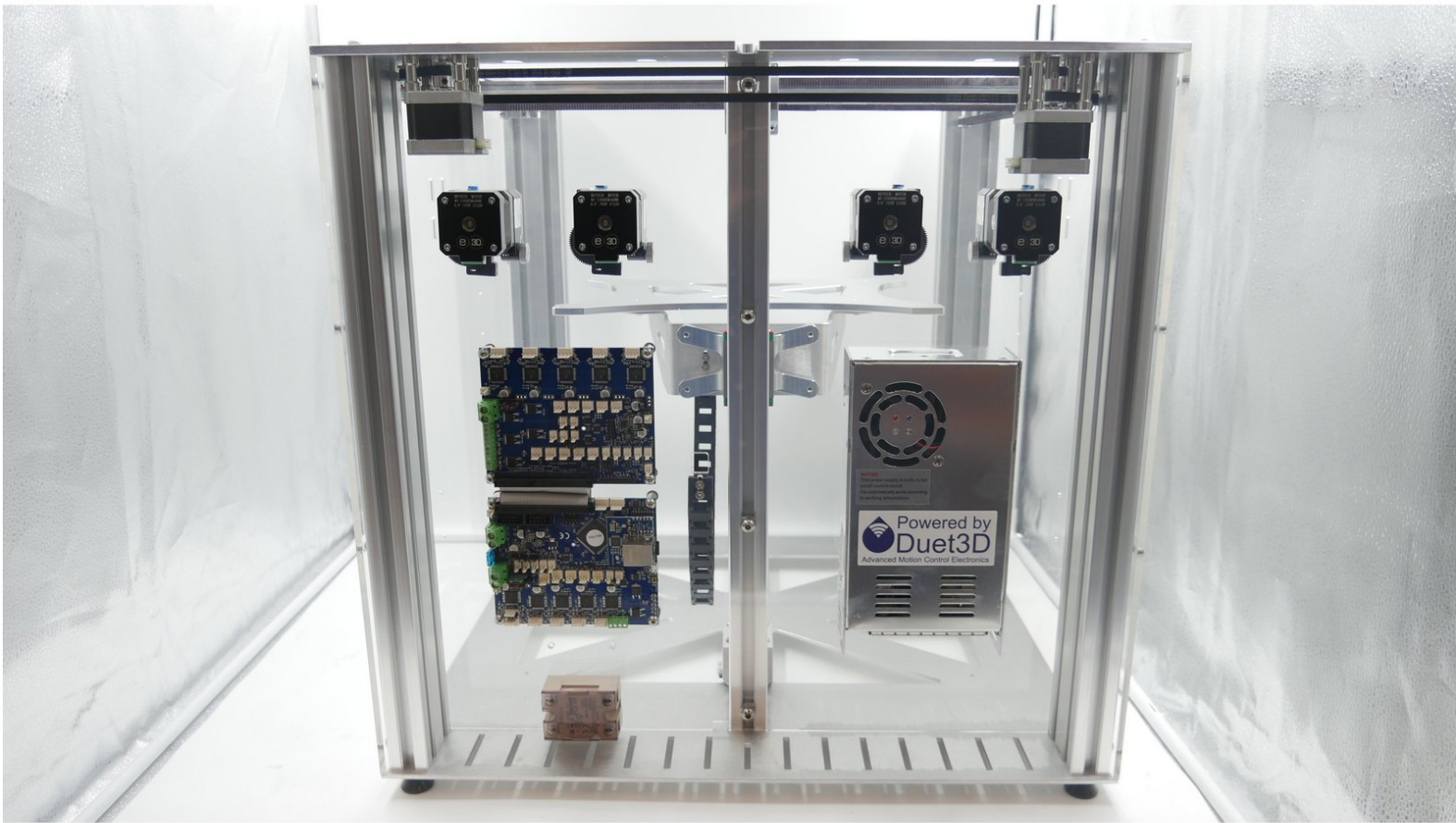




# 02a - Bowden Titan Installation.

Written By: Dan Rock

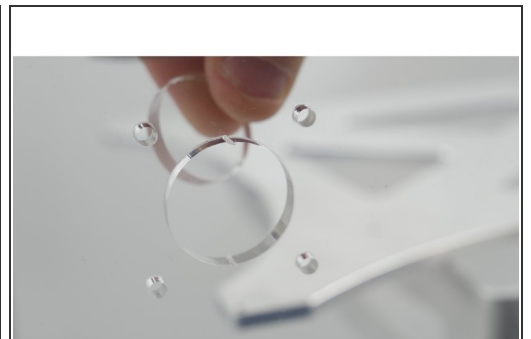
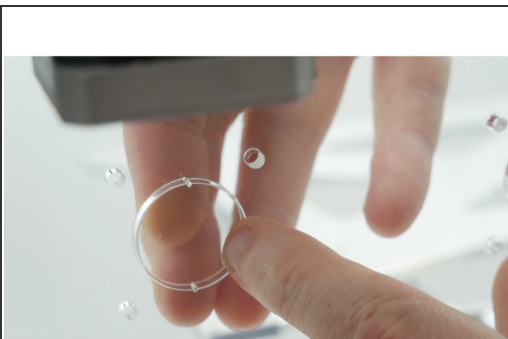


## Step 1 — Titans.



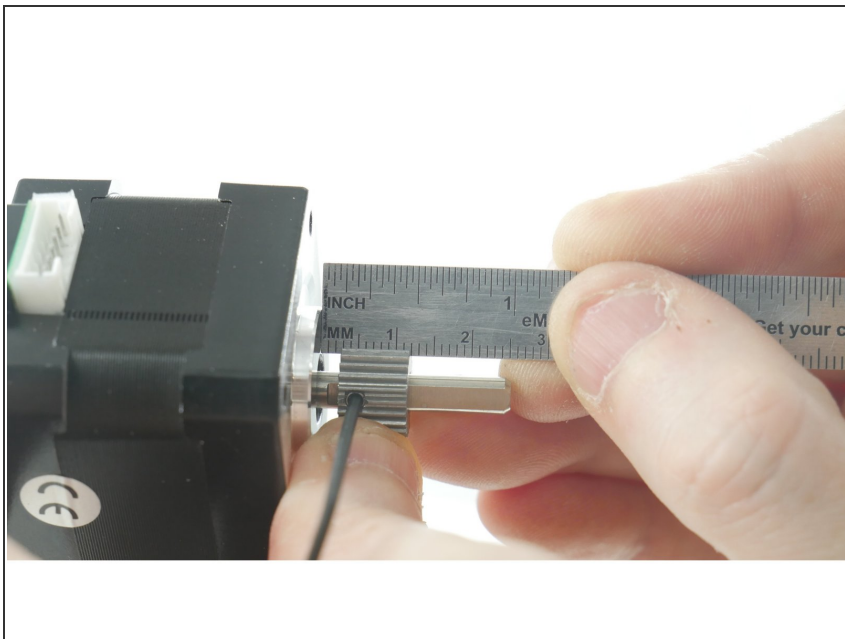
- 2 x Standard Titans with Motors and Bowden adapters.
- 2 x Mirrored Titans with Motors and Bowden adapters.

## Step 2 — Panel.



- Pop-out the four holes in the Electronics panel for the extruder motors.

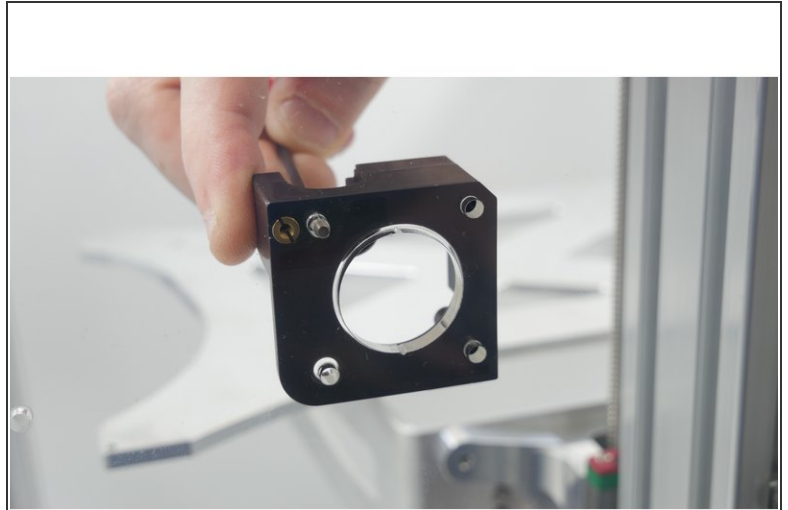
## Step 3 — Titan.



⚠ Take note of the [Bowden Titan Assembly Guide](#).

ⓘ The back of the gear needs to be 3mm from the motor as shown in the image.

## Step 4 — Titan.

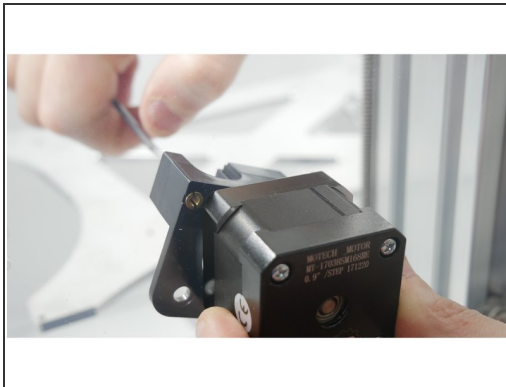


- Fit an M3 10mm Socket Cap Screw (in the Motion System Fixings Kit and not supplied with the Titans) through the Titan Housing.
- Position as shown on the Electronics Panel.

⚠ T0 & T1 use Standard Titans.

⚠ T2 & T3 use Mirrored Titans.

## Step 5 — Motor.



- Affix a motor as shown.
- ⓘ You may wish to use the small Allen keys to align the holes when fastening the initial screws.



## Step 6 — Gather.



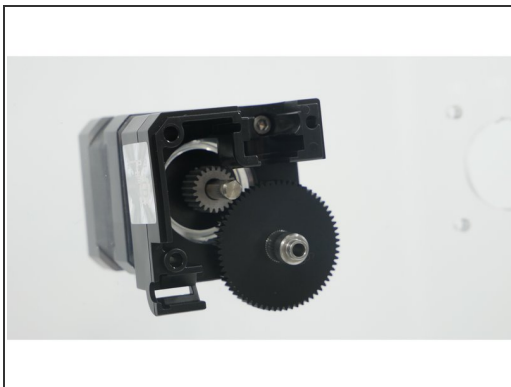
- Titan Parts.

## Step 7 — Nut.



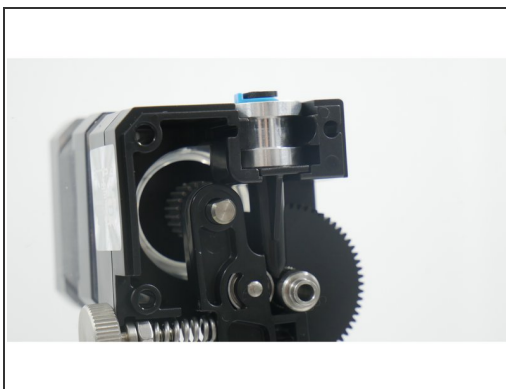
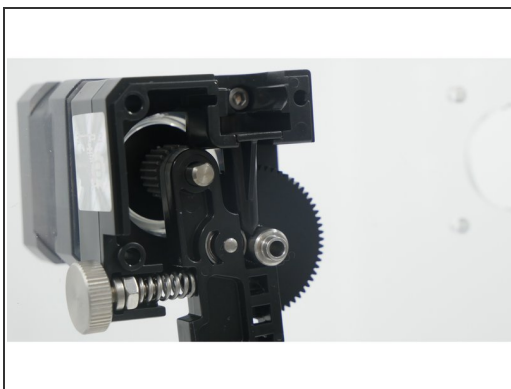
- Screw the nut to the thumb screw.

## Step 8 — Assembly.



- Build the parts into the Titan.

## Step 9 — Assemble.



- Build Up.

## Step 10 — Screw.



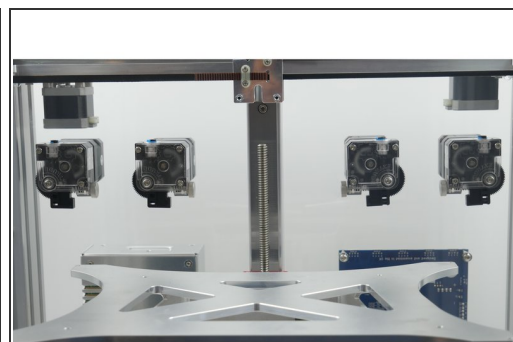
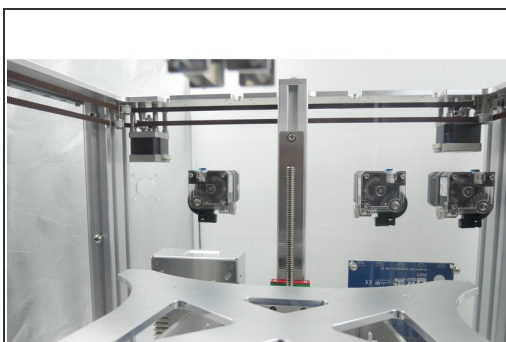
- Secure the titan using the three 35mm screws from the Motion System fixings kit and a shorter screw for the Titan fixing kit.
- Refer to the [Titan Assembly Guide](#) when installing the extruders.

## Step 11 — Check.



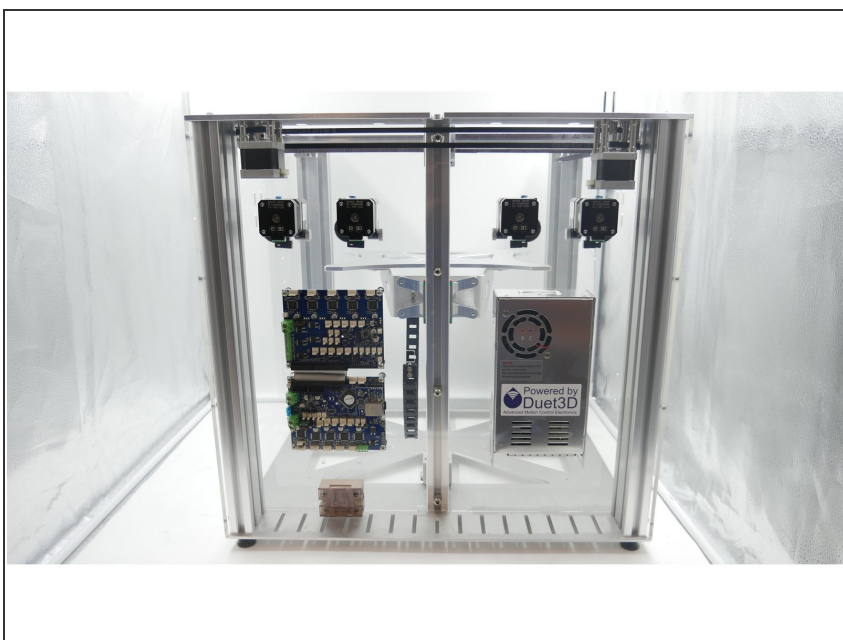
- Check the gear turns freely.

## Step 12 — Titans.



- Fit the remaining Titans to the Electronics Panel.

## Step 13



- Done!