

# OpenFlexure Microscope Kit Checklist

## Box 1: 3D Printed Parts

- 1 x Main Body
- 1 x Microscope Stand
- 1 x Illumination Dovetail
- 1 x Electronics Drawer
- 1 x Condenser Arm and 1 x Condenser Lid (same bag)
- 3 x Feet
- 3 x Cable Tidies
- 3 x Large Gears
- 3 x Small Gears
- 2 x Sample Clips
- 1 x Illumination Thumbscrew
- 1 x Condenser Board Spacer
- 1 x Optics Module and 1 x Pi Camera Cover for High-Resolution version (same bag)
- 1 x Pi Camera Platform and 1 x Lens Spacer for Low-Cost version (same bag)
- 1 x Set Actuator Assembly Tools and 1 x Lens Tool (same bag)

## Box 2: Hardware and Stepper Motors

- 3 x 28BYJ-48 5V stepper motors (bubble wrap bag)
- M3 x 10mm Socket Head Screws, Qty = 11
- 6.5mm self-tapping screws, Qty = 18
- M4 x 6mm Button Head Screws, Qty = 6
- M3 x 25mm Hex Bolt Screws, Qty = 4
- M3 Brass Nuts, Qty = 3
- M3 Hex Nuts, Qty = 14
- M3 Washers, Qty = 8
- O-Ring, Qty = 3
- Extra parts
- Light Oil
- M3 x 8mm Socket Head Screws, Qty = 1
- 2.5mm Ball-End Allen Key

## Box 3: Electronics

- Raspberry Pi Camera Board v2 - 8 Megapixels - with 20cm long flex ribbon cable for Raspberry Pi Camera
- Condenser Lens (5mm focal length plastic lens)
- Sangaboard v5
- Illumination LED board and diffuser
- 64GB High Speed MicroSD Card with Raspbian OpenFlexure OS