

Jul 26, 2024

OpenFlexure Microscope Kit Checklist

This checklist is for IO Rodeo's [OpenFlexure Microscope Kit](#) and [OpenFlexure Assembly Kit](#). Images and supplemental build instructions are in the [Product Guide](#).

3D Printed Parts (included in the Microscope Kit only)

- 1 x Main Body
- 1 x Microscope Stand
- 1 x Electronics Drawer
- 1 x Illumination Dovetail
- 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)

Assembly Kit (included in both the Microscope Kit and Assembly Kit)

- 3 x 28BYJ-48 5V stepper motors (bubble wrap bag)
- Light Oil
- Condenser Lens (5mm focal length plastic lens)
- 64GB High Speed MicroSD Card with Raspbian OpenFlexure OS
- Illumination LED kit: LED PCB with 3-pin 12" cable and diffusers, Qty = 3
- Raspberry Pi Camera Board v2 - 8 Megapixels - with 20cm long flex ribbon cable and lens removal tool
- Sangaboard v5, Pre-programmed
- Hardware 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
 - M3 x 8mm Socket Head Screws, Qty = 1
 - 2.5mm Ball-End Allen Key