

## Part lists by type

### 3D printed

Item	Quantity
1_Top_plate	1
2_Bottom_plate	1
3_Manipulator_X	2
4_Manipulator_SliderHolder_X	1
5_Manipulator_Z	1
6_Manipulator_Slide	1
7_Rack_Gear	1
8_Pinion_Gear	1
9_Holder_Slide	1
10_Holder_laser	1
11_Holder_Camera	1
12_Slide_Retainer	1
13_Manipulator_M4_Nut	5
14_Plate_Base	4

### Illumination and Camera

Item	Quantity
AsphericLens	1
Laser modulus	1
LensHolder	1
LensRetainer	1
Camera	1

### Screws and nuts

Item	Quantity
M3 nut	10
M3x 6 mm	4
M3x 10 mm	6
M4 nut	19
M4x 40 mm	6
M5x 45 mm	4