Fluorescence Imaging Station
T4 must fit between T6, T7 and T5 (lateral and back plates) before fastened.

T11 must fit between T6, T7 and T5 (lateral and back plates) before fastened.

Spacers, it can be slid in position.

M3 Hex Nut for the top plates

M3 Hex Nut for the Spacers

M3 10 mm Screw

M3 15 mm Screw
Top Module Parts

Screws and Nuts

4 M3 15 mm long screws and nuts for the top cover.

16 M3 10 mm long screws and nuts for the vertical plates.

4 M3 10 mm long screws and nuts for the bottom cover.

4 Spacers R and 4 Spacers L
Top Module Assembly

Step 1

Place the M3 10 mm screws and nuts loosely in the holes on the vertical plates (T5, T6, T7, T9) as shown in the picture.

Be aware of the front side of the lateral plates (T6 and T7).
Step 2

Slide the spacers up until they fit completely and then tighten the screws to form the vertical structure of the top module.

Final assembly view.
Step 3

With the vertical structure fastened, place T11 between the three vertical plates before placing T10 and fastening the screws.

Place the paper diffusor on top of T11 before use.

Final assembly view.
Step 4

Slide down the frontal plate (T9) until the screws fit in the spacers and tighten.

Make sure the front spacers are in the correct position (as in picture).

Slide down the back plate of the vertical movement bed. Must fit in the rail formed by the spacers.
Step 5

Place T4 in the slot of the vertical plates before putting the rest of the plates (T1, T2, T3).

Final assembly view.
Fully Assembled Top Module Main Structure
Blue filter slides in before securing the screws.
Bottom Module Parts

B1

B2

B3

B4

B5

B6

B7

B8

B9

B10

B11

B12

2 Spacers R and 2 Spacers L

Screws and Nuts

4 M3 20 mm long screws and nuts for the top cover.

4 M4 45 mm long screws and nuts for the bottom cover and main assembly.

4 M4 25 mm screws and nuts for the PCB mounting.
Top Module Assembly

Step 1
Assembly top cover. Put together B1, B2, B3, B4 and B5. Make sure you place the M4 Hex nut inbetween B2 and B3. You can place the parts upside down to make it easier.

Fasten with the 4 M3 20 mm screws and nuts.

Final assembly view.
Step 2

Assembly B7 with the PCB using the 4 M4 22 mm screws and nuts and 2 spacers R and 2 Spacers L as shown in the picture.

Make sure the front spacer are in the same position as in picture.
Step 3

Assembly the on/off switch by snapping it to the back plate (B11), then solder into the pcb.

Make sure the cable for the digital control goes through the little sloth on top of B11.

With all the electronics in place, put the rest of the plates in (B9, B10 and B12).
Step 4

Assembly the top cover in the lateral plates. Fasten with the 4 M4 50 mm long screws in the nuts inside the top cover. Place B8 on the bottom before putting the screws.

Don’t tighten the screws too hard, you will need them loose to slide in the top module and the filter.
Step 5

Slide in the blue filter (B6) on the bottom sloth.
Top Module and Bottom Module Assembly

Slide the top module in the bottom module slots.

Slide the top module in the superior slot. Push carefully until the top module fit all the way into the bottom module.

If it is too tight, loose the top screws or the bottom screws.