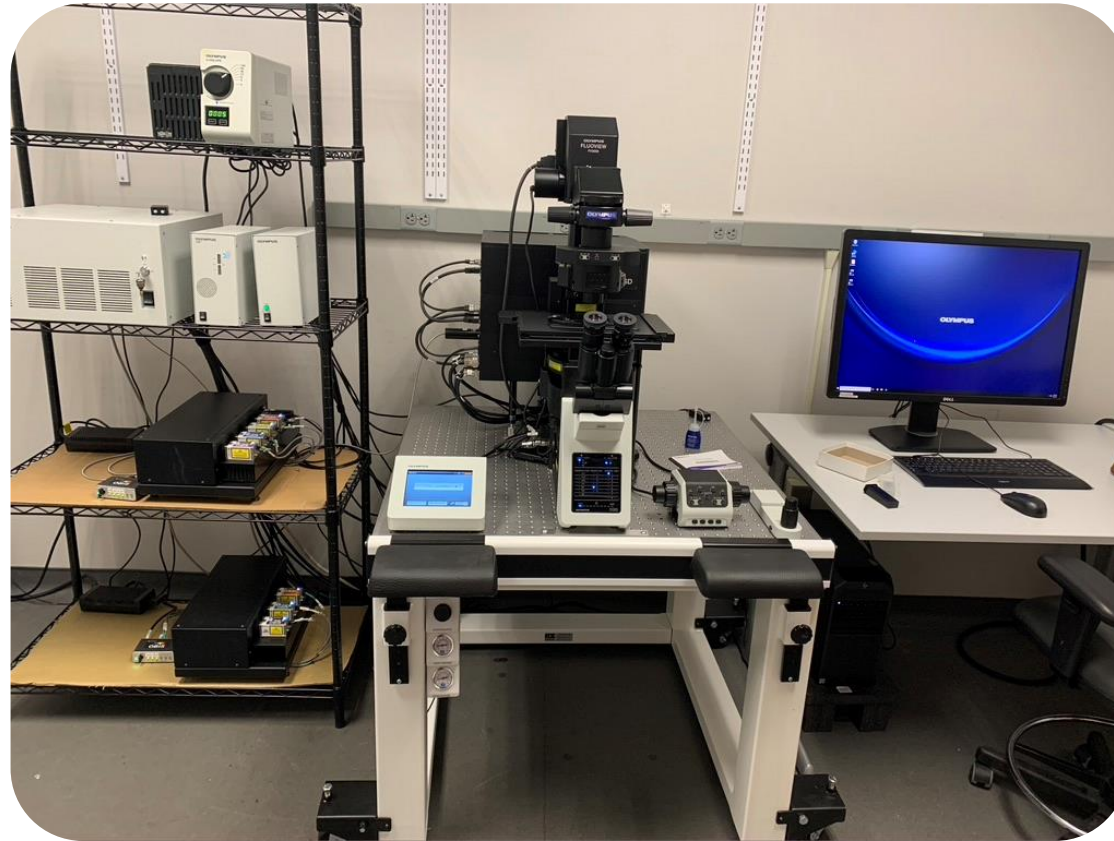


The Ohio State University: CMIF/MSR FV3000 Multi Training



FV3000 Control Boxes (numbered in switch-on order)



5) **Epi Lamp**- Long Life burner
Intensity settings-
100 %, 50%, 25 %, 12 %, 6 %, 3 % and 0 %

4) **PSU**-Control Box for the confocal
(Switch and Key)

2) **CBH**- Microscope Control Box

1) **Stage Control Box**

6) **Laser combiner**- Main combiner 405, 488,561,640 nm

7) **Laser Combiner**- Sub Combiner 445, 514, 594 nm



3) **TPC**- Touch Panel Control Microscope interface

Start Up Procedure



0
Turn
Computer
and login



1
Stage Control



2
CBH
Microscope
control box

3
TPC
(switch in the
back on the top
right side)



4
PSU
Turn Switch
on first then
the key



5
EPI
Lamp



6 & 7
Laser Power Supply
2 Boxes

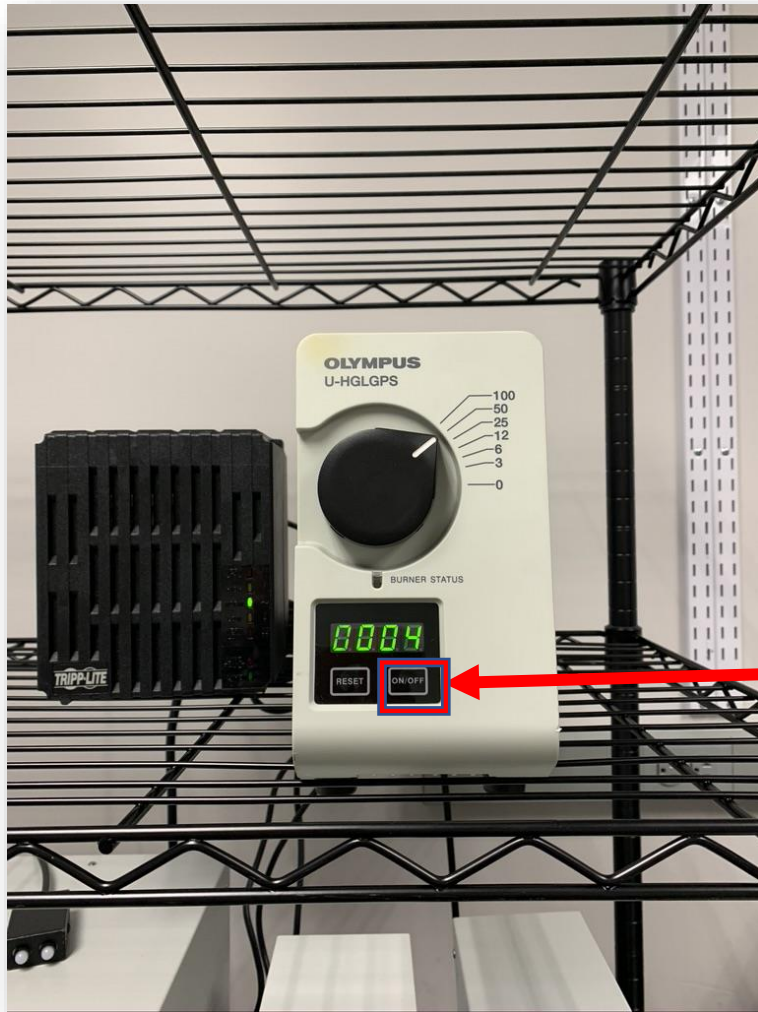


8
Start
Software
from Icon

Turn Off Procedure

Reverse of Above

***If you see a software error on startup you may need to restart everything including the computer



Olympus U-HGLGPS:

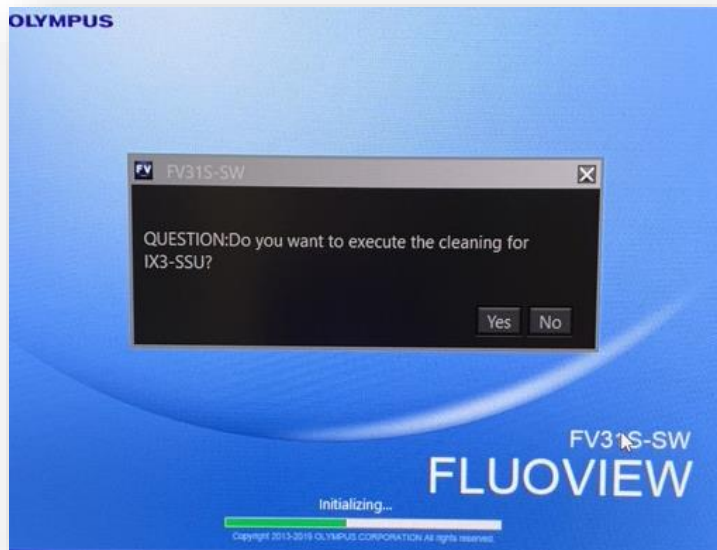
Long-Life Mercury Lamp system

Commonly used on the 50% position

The unit will power down correctly if the OFF button on the front panel is used. It will start count down from 300

**Please notify CMIF Staff if burner light turns red or close to 2000 hours and/or flashing

FV3000 Stage



Ultrasonic Stage :

First you will be prompted to select the Ultrasonic Stage. Answer Yes

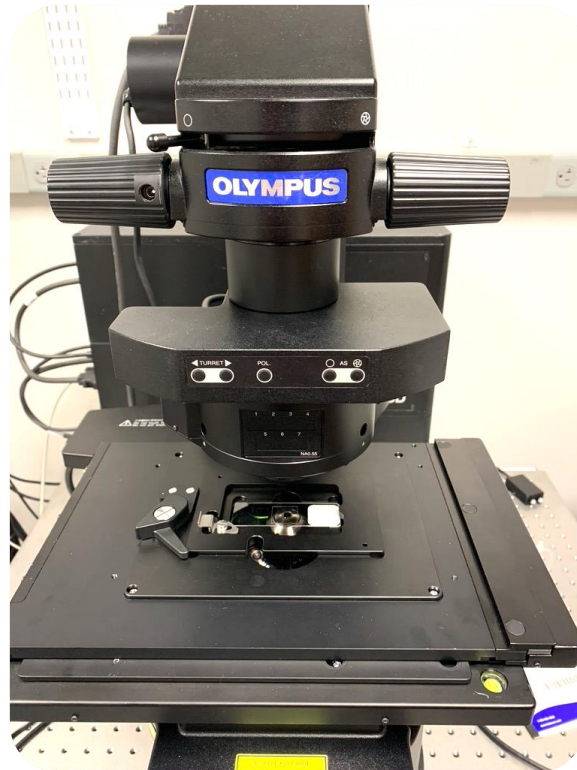
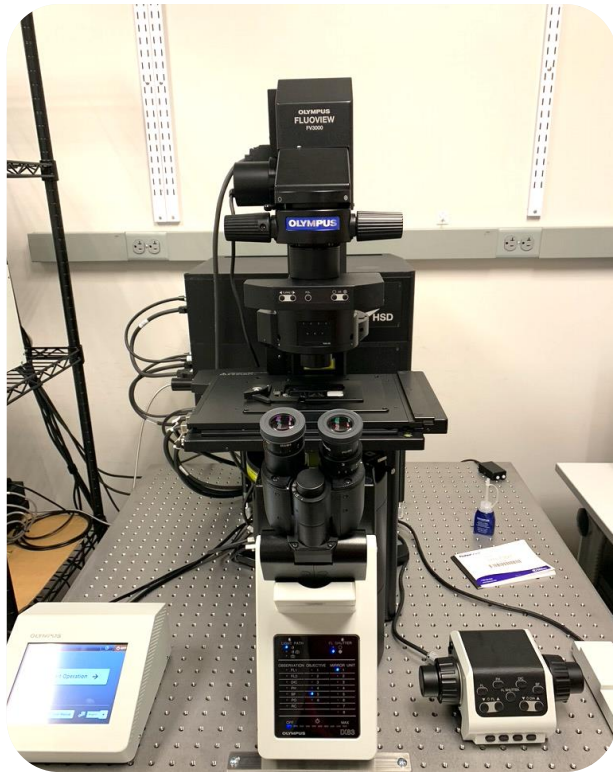
You will then be asked if you want to clean the stage. Answer NO

(Regular Stage Cleaning will be completed by the CMIF staff)

There is a pause while the software loads, then the software layout will appear.

(If an error message appears - first check that all the hardware is ON - if that is not the problem it may be necessary to restart)

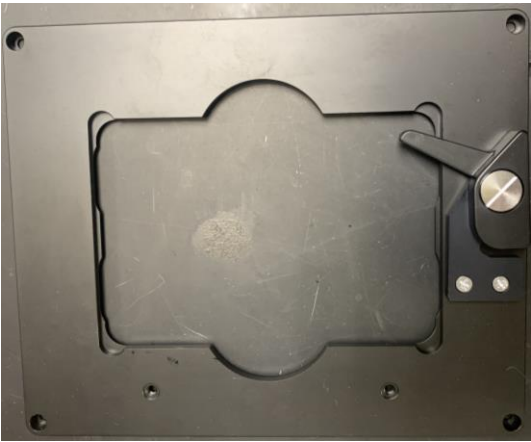
FV3000 Hardware



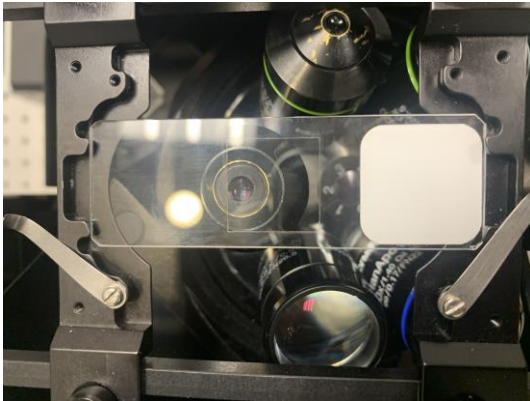
1st Button is for eyes

3rd Button is for LSM
(These are Shortcuts
- Main controls are
on the Monitor)

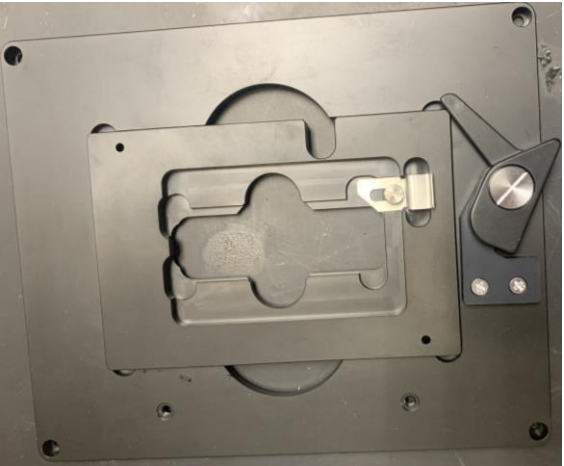
FV3000 Multi Stage Inserts



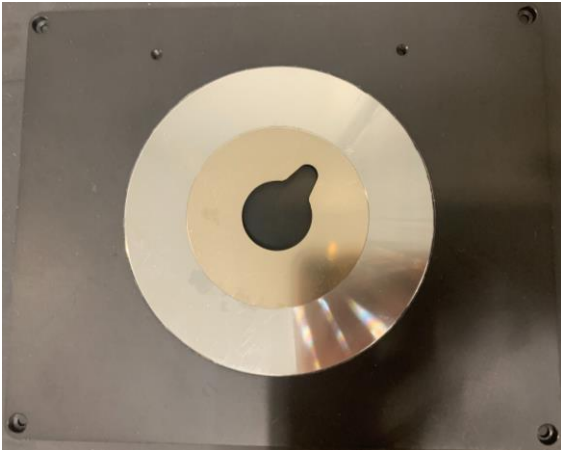
Well Plate insert



Adjustable slide holder



Slide Insert (goes inside well plate holder)



Universal holder

Olympus Video How to's

- Layout functions
 - Basic Start up Procedure
 - Image Processing: Projection, cropping, & exporting
 - How Spectral Works
 - How to do spectral deconvolution
-
- <https://www.olympus-lifescience.com/en/laser-scanning/fv3000/resources>