UOC MR3 & OTB Shut Down & Ramp-Up Procedures

To keep your UOC Coating equipment clean & ready for a ramp-up after an extended period of downtime, please follow the below procedures.

Shut Down:

1. Flush any remaining coating from the reservoir, pump, lines & coating bowl using acetone. Please refer to our step-by step video here: https://www.youtube.com/watch?v=7vhWogWaI5s&t=25s
2. Once the coating system is clean & dry, install a new UOC coating filter with Teflon Tape.
3. Drain any DI water from the buckets, direct water lines, heater and washbowl.
   a. Disconnect all water lines; prime the wash pump to pull any remaining water from the wash pump, high-pressure water line and stainless washbar.
   b. Remove the washtip and swab the inside of the washbar using a lint free towel. This will help remove any standing water inside the bar.
   c. Using a mild cleaning agent (like Ultra Optics ClearVIEW all-purpose cleaner) wipeout the inside of the washbowl with a lint-free towel and allow to dry.
   d. With the UV-LIGHT <u>OFF</u> clean the bowl deck, bowl covers & glass jars using ClearVIEW.
4. Once the washbowl & coating bowls are clean & dry, turn the machine power off and lower the spindles down into the bowls by releasing the compressed air supply to the machine.
5. The top HEPA filter is designed to run anytime power is supplied to the machine. We suggest leaving this ON, however if that is not an option:
   a. If your machine has a window that closes, you can unplug the HEPA filter from the back of the machine once the window is closed.
   b. If your machine does not have a window, the purpose of the HEPA is to keep particles from floating into the machine. You can unplug the HEPA from the back of the machine, we however suggest you wrap the top of the machine to help minimizes particles from entering the bowl deck during its idle time.

Start-Up:

IMPORTANT: If your machine has a water heater installed, please turn water on before turning machine power on. Inspect inside & outside of machine for any safety hazards or guards put in place.

1. Remove any plastic wrap from machine. Replace 14x20x1 Hepa Pre-Filter. If Hepa has been off, plug Hepa filter back in and turn on.
2. Open rear doors; ensure UV-Light has less than 900 hours & check for any foreign objects inside.
3. Using orange rocker switch on the left side of the machine, slowly turn air pressure on & raise spindles up.
4. Before turning machine power on, inspect & clean the bowl-deck, wash & coating bowls for any dust/contaminates. Clean using ClearVIEW lens cleaner & a lint free towel.
5. Turn Machine Power ON
6. Prime wash station first. We suggest leaving the washtip installed and run washpump prime to purge any air from the system. Once primed, run washprime (with Dump-Valve off) for 15-20 minutes to flush water lines. Flushing +/- 5 gallons of water will help push any contaminates from the water lines. Listen to washpump, if it slows, release any clogs from washtip by inverting wash nozzle and repeating the process until clean.
   Wash Prime Video: https://www.youtube.com/watch?v=5BGlu7I6vI0
   Back Flushing Wash Nozzle Video: https://www.youtube.com/watch?v=0ifd7qnQHDA
7. Pour 3 bottles of Ultra Optics coating into coating reservoir. Purge all air from #4404 coating filter & check for leaks. Once the system is primed run Coating Pump Prime for 5-10 minutes to help release any air from the lines & filter. *(Continued Next Page)*

8. Run 10-15 Plano Lenses to ensure machine is running as intended.

If additional support is needed, Please refer to our online video library at:
https://www.youtube.com/user/UltraOptics1/videos OR

For a list of SOP Videos, Parts Identifier and Owners Manuals:
https://www.ultraoptics.com/technical-support

E-Mail Support:
Ultra Optics Technical Support TechnicalSupport@ultraoptics.com
UOCOrders uocorders@ultraoptics.com

Sales:
sales@ultraoptics.com

Phone Support:
1-800-365-9993

Thank you from everyone here at Ultra Optics!!