

# *Ultra Optics M/R III*

## *Preventative Maintenance Schedule*

### **Daily duties and inspection:**

- Wipe out wash bowl and deck area with a clean damp cloth. Check for debris in coating bowl (Do not wipe out unless necessary).
- Clean wash bowl and coating bowl screen.
- Check the level of de-ionized water refill as needed. Empty waste water pail.
- Check coating level in reservoir refill as needed.
- Check coating fountain height, level should be even with top edge of coating bowl.
- Check lamp hours (replace at 1,000 hours).
- Check that the lens is dry after wash and air-dry cycle (Check by pushing stop button after air dry turns off). If not dry see Operations Tip section “C” for instructions.

### **Weekly duties and inspection:**

- Visual check suction cups for deterioration replace as necessary.
- Check top pre-filter on Hepa filter system. Replace with 14 x 20 x 1 Furnace filter as needed
- Check spindle speeds:

Coating speed	400 RPM
Coat spin off speed	2000 RPM
Wash speed	1800 RPM
- Lamp cycle 25 seconds
- Lubricate the spindle shaft, upper and lower. Spray WD-40 on a towel; **DO NOT** spray directly onto the spindle shaft assembly. Failure to do so could result in contamination of coating and wash chamber.
- Check regulator PSI left @ 80 PSI, right @ 60 PSI.

### **Bi-Monthly duties and inspection:**

- Flush out coating reservoir with Acetone see flushing instruction.
- Check vacuum pressure using the digital convoom gauge.
- Inspect complete Vacuum Chuck assembly for any dried coating and or debris. Clean as needed

### **Monthly duties and inspection:**

- Every 8-10 weeks replace your meissner filters. (One in the wash bucket, one on the coating line).
- Check Air Dryer filter gauge. Replace all three if indicate “change”. (part #1428)