

PLAP1 Polisher Operating Procedure (Logitech)

1. Turn System ON.
2. Place Glass Polishing Wheel on rotation table.
3. Use JoyStick to navigate the display screen. (UP/DOWN/ROTATE)
4. Press center of JoyStick to make your selection.
5. Select PLATE and set at 35rpm.
6. Select ABRASIVE and set to ON.
7. Do NOT select ARM.
8. Select SET TIME, Enable Timer, Reset Timer, and enter desired Time.
9. Place 9um or 1um AlOxide drum on rollers on top of system.

**NOTE: 9um AlOxide grit at 35 rpm laps Silicon at a rate of ~ 10um/min.
1um AlOxide grit at 35rpm laps Silicon at a rate of ~ 1um/min.**

10. Open Valve on drum and set dispense rate to ~ 1 drop every 5 seconds.
11. Turn Vac Pump ON.
12. Verify that the Air Inlet knob is closed.
13. Place your frosted glass polishing pad with wax mounted sample onto the Vacuum Polishing Chuck fixture.
14. Verify that Vacuum is present and sample is held in place.
15. Select START to begin rotation of the polishing wheel and dispensing of the AlOxide grit. Be sure the plate is completely wet with AlOxide grit.
16. Select STOP.
17. Place Vacuum Polishing Chuck fixture with sample attached on polishing wheel using the Chuck Holder arm as a guide.
18. Verify that the Chuck is sitting flat on the the Polishing Wheel.
19. Read the micrometer gage to determine starting point for removal.
20. Select START.
21. Chuck should rotate counterclockwise when Polishing Wheel is rotating.
22. Upon completion select STOP.
23. Remove Chuck.
24. Turn Vac Pump OFF, and OPEN Air Inlet knob to remove all vacuum from Chuck.
25. Remove sample from Chuck.
26. Close Valve on AlOxide drum and remove it from rollers.
27. Rinse Polishing Wheel with water and dry softly with clean room wipe.
28. Turn system OFF.