Tool ID: 227
Tool Location: 125

Equipment Information Sheet

Oxford Cobra ALE Quantum

Manager: Jeremy Clark 607-254-6487
Backup: Philip Schneider 607-254-4931

Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times leave a message or send them an email.

SAFETY
USAGE RESTRICTIONS

- Only materials certified for use in quantum tools!
- If resist mask is present, 5mm should be removed from the edge to avoid sticking to the clamp.
- Cool-Greasing of pieces is allowed, but ALE results were very poor.

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 15 minutes

MATERIALS COMPATIBILITY CATEGORY

Tool Category 1:Restriced Silicon Based Materials Only

Allowed	Not Allowed
Silicon Based Materials only (Si, SiC, SiO_2 substrates)	No Evaporated, Sputtered, or Spin on Films
All Furnace grown or deposited films	No ALD films
PECVD Films	No Metal or Organic Films
	No Glass Substrates
	No III/V Compound Semiconductors
	No Deep Silicon Etched Samples (versaline, Unaxis)
	No Organic/Biology Molecules prepared-with or without Salt buffers

Additional Material Restrictions and Exceptions

1Q: Niobium, Tantalum, Aluminum, Titanium, and Diamond also allowed.

Last Updated: 06/23/2026