

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.

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### 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: Restrictd Silicon Based Materials Only

Allowed	Not Allowed
Silicon Based Materials only (Si, SiC, SiO <sub>2</sub> 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*