

Training and usage policy for AJA 6TEBE

Training Procedure:-

- Send a training request using the link below: http://www.cen.iitb.ac.in/equipment_usage/index.php
- Once approved, go through the system manual to know the system capabilities.
- Three sessions for observing users handling the system and performing the evaporation process.
- Five supervised hands-on session (sessions to be increased on a case to case basis)
- Final test taken by the system owner (SO) or the faculty in charge (FIC).

Process request procedure:-

- Send a process request using the link below: http://www.cen.iitb.ac.in/equipment_usage/index.php
- Maximum number of 5 requests will be served every week (can increase based on operator's availability) on first cum first serve basis. The additional request will be kept in queue.
- Slots are not transferrable.

Materials policy:-

- Since it is an Au contaminated tool, all materials except Na, K are allowed.
- Maximum allowed thickness for materials is 100 nm. This thickness is subject to decrease w.r.t. temperature. (For e.g.: - in W deposition, if chamber heats up beyond limits, process might be stopped then and there with whatsoever the thickness that has been deposited)
- Special permission is required from the FIC for the thickness beyond 100nm.
- No oxides are allowed
- Multiple depositions of the same material may be allowed based on the chamber temperature reading.
- If the user brings a material of his/her own, she has to get approval from CEN or the concerned authorities (Refer IITBNF policy) before he/she can send a request.

Substrate policy:-

- Ge, Si and GaN substrates are allowed.
- Sample history for each sample will be thoroughly checked. Any incomplete or ambiguous declaration will delay the process.
- The deposition quality and rate will be critically monitored. Any significant deviation will lead to reviewing this usage policy.

Violation Policy:-

- System mishandling would lead to re-authorization by undergoing through the training procedure again.
- Standard sample mishandling and using non-allowed materials would lead to debarring from using the system for 14 days.