

**TECHNICAL SPECIFICATIONS OF VACUUM ASSISTED BREAST BIOPSY SYSTEM
(VABB)/MAMMOTOME**

1. The equipment should be designed for guided biopsy of breast lesions using a rotary cutter housed in a vacuum assisted extraction system.
2. The system should have the necessary computer-controlled systems, sterile disposable needles/cutters and tissue markers to serve the above purpose.
3. The system must have pre-programmed as well as customizable options to conduct the breast biopsy and also control the size/thickness of the tissue being extracted.
4. A 360-degree rotatory cutter inside the probe/needle is necessary. It should be possible to control the degree of rotation inside the lesion and sampling a single or multiple quadrants at a time during the 360-degree rotation of the probe.
5. The system must have Pre-programmed as well as customizable medical grade touch screen technology.
6. The system should be compatible with stereotactic, ultrasound and MRI guidance.
7. The system should allow the user to rinse the sample during and after the procedure to minimize clot formation if required.
8. The system should be easy to clean and maintain.
9. The system should have disposable probes of at least three sizes for various biopsy needs.
10. The system should have option of anesthetic delivery through the probe/needle during the procedure.
11. It should have LED light for better visualization in constricted places.
12. It should have ability to insert Breast tissue marker for long term follow up.
13. The system should have dual mode for normal & dense tissue.
14. The system should have half sample mode in breast adaptability.
15. The system should be upgradable. The Software/Hardware upgrades for first 5 year should be provided free of cost.
16. The system should have BIS/CDSCO/US FDA/European CE certification.
17. Adequate training to be provided to Clinicians & technical staff.
18. The vendor should provide comprehensive warranty for the first five years and comprehensive maintenance(CMC) from 6 to 10 years.
19. Adequate consumables to be provided. 50 units each of disposable biopsy probes/needles, canister, cassette, Breast tissue Markers and Localization Wire to be supplied with the system.
20. Consumables/Disposables price should be fixed for three years from the date of Installation.