

SPECIFICATIONS:

1. Should preferably be a desktop type model.
2. Should provide precise measurement of bone breaking strength of both rats and mice
3. Should include sensors and accessories for following type of evaluation in different types of bones:
 - a. Bending
 - b. Compression
 - c. Indentation
 - d. Tensile strength
4. Should include a monitor for configuration with analysis software for setting the operating conditions and for data saving and output (both in excel and graphical format). Results may also be printed on a rapid thermal printer.
5. The colour camera should be supplied to use the images of the samples for analysis.
6. Should be able to apply tension in longitudinal and horizontal axis
7. Should be able to carry out the above tests on both bone and articular cartilage of rodents. Also, additional torsion testing is preferable.
8. Should be a complete system with all necessary accessories including UPS and all other installation requirements
9. The equipment should have provision for upgradation by adding more modules as and when required.
10. Warranty should be of minimum 2 years, but preferably 5 years.