

## Specification

1. Stereotaxic frame for rat and mouse without any U frame.
2. The digital display should help reduce the risk of human error and increase accuracy (10-rather than 100-micron resolution).
3. The large LED display should be also useful for surgeries performed in low light, or constrained environments where reading the Vernier scale is difficult.
4. Hardware should have
  - ✓ Vertically-adjuster for ear and nose bar posts
  - ✓ Horizontally-adjuster for ear and nose bar posts
  - ✓ Designed for both Rats and Mice all on the same base
  - ✓ No U-frame, maximizes operating space
  - ✓ Traditional and non-traumatic Rat ear bars
  - ✓ Includes the innovative Mouse ear bars
  - ✓ Includes Mouse and Rat Nose adaptors
5. Should include the rat and Mouse ear bar, mouse and Rat nose adaptor Should Includes dual tip ear bars with traumatic (18°) and non-traumatic (45°) ear bars.
6. Real-time coordinate presentation of all three axes to a resolution of 10 µm.
7. The display should have ability to run on either AC power or battery power, with minimal electrical noise
8. Driller with different sizes of drill bits as given below:
 

Head Dia. mm	Head Length mm
.2	.2
.5	.4
.7	.5
.79	.5
1.0	.8
2.1	1.9
2.35	2.1
9. **The high-speed drill (up to 38,000 rpm) configured for stereotaxic surgery, particularly in soft skull animals such as neonatal rats and mice.**
10. The compact control should include switches for Power On/Off, Forward or Reverse Rotation, with **Manual or Foot Speed Control**. Speed should be adjusted from low to full speed using the dial on the box, or with the foot pedal. An Overload Protector Light should turn red and sounds a small beeping alarm when the motor is overloaded and prevent from burning
11. Should be provided with the drill holder for stereotaxic system. Should able to provide a set of three to four Hamilton Micro syringes with detachable needles Gas Tight, Blunt Tip (5 & 10µl capacity) and Rat/Mouse sagittal/coronal brain matrices (3 sets)
12. Installation & Fitting included
13. System should be provided with at least two year warranty and AMC.
14. Automated injector should be with the Single or dual syringe option. Independently control dual injections. Accommodate 0.5-250ul syringes & should be compatible with the Android or Windows.
15. On sight training by company expert annually for a period of two years.

## Other terms and conditions

16. Price should be F.O.R at university store
17. The university is registered with Department of Scientific and Industrial Research (DSIR) for custom duty and central duty exception. The require certificate will provide to successful bidder.

Already approved in 11<sup>th</sup> TFC

*[Signature]*  
31/10/18