Automation system for Genomics workstation along with High Throughput screening of DNA, RNA & Protein

1. Preconfigured workstations are designed for increased walkaway time
2. System should be capable of automating common lib. Prep. And sequence capture methods.
3. System should be capable of increasing throughput upto 5x.
4. System should have 96 LT head
5. System should have cooling station
6. System should have 2x peltier thermal station
7. System should have teleshake
8. System should have magnetic bead plate
9. System should have standalone plateloc.
10. System should have unique size-sensing plate gripper for flexible automation
11. System should have open strut free design for use in laminar flow hoods and high integration accessibility
12. System should have clean base with no below deck electronics to permit easy accessory integration and deck customization.

High Throughput system for screening of DNA, RNA & Protein

13. Automation system should be capable of having NGS QC Analysis.
14. System should also support DNA, RNA QC for downstream microarray and NGS applications.
15. System should be Ready-to-use Screen Tape technology that enables easy switching between DNA and RNA assays. Sample can be provided in either 16-tube strips or 96 well plates.
16. The system should have an integrated bar code scanner.
17. Single platform for DNA, Genomic DNA and RNA analysis.
18. System should have onboard diagnostic facility for hardware diagnosis.
19. Samples can be provided in either 16-tube strips or 96-well microliter plates.