LABORATORY GENERATION

Laboratory Generation

7Tao laboratory generation allows our engineers to a phase in the evolution of laboratory systems, characterized by significant technological advancements and changes in workflow and human roles, such as the introduction of Total Laboratory Automation (TLA) in the third generation, which focused on integrating pre-analytical, analytical, and post-analytical steps to automate routine tasks and free up skilled operators for higher-value work like result validation or new test development. Modern "next-generation" laboratory systems integrate advanced technologies like AI, precision machining, and next-generation sequencing to enhance efficiency, data management, and the discovery of new manufacturing and diagnostics.