

MECHATRONICS LABORATORY

Laboratory Information

Lab Name: Mechatronics Laboratory

Room No.: 009- Colleges of Engineering and Technology

Capacity: 15 students

Mechatronics is the synergistic integration of mechanical engineering, electrical engineering, electronics, computer science, and control theory for the design of intelligent systems. Mechatronic systems are used in automotive systems, aerospace systems, consumer electronics, and robotics. The Mechatronics Laboratory was established to support embedded control systems in Mechanical Applications. Mechatronics Lab objective is to expect the student to understand the real pleasure of research through finding research themes, establishing theories, developing systems, conducting experiments, and presenting results. The lab supports courses like introduction to Mechatronics, Mechatronics systems, Robotics and Applications and Final year Graduation projects as well as graduate studies.

Major Equipment

- CIM "Computer Integrated Manufacturing" system

Laboratory Serves the following courses:

Course no.	Courses Title	Semester
ME 591	Mechatronics	7 th
ME 592	Mechatronics Systems	9 th
ME 593	Electromechanical Systems	8 th
ME 594	Robotics Applications	10 th
ME 595	Automation of Mechanical Systems	9 th

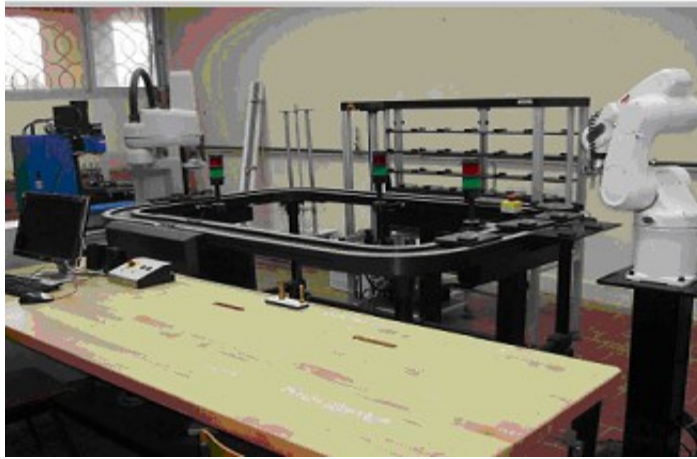
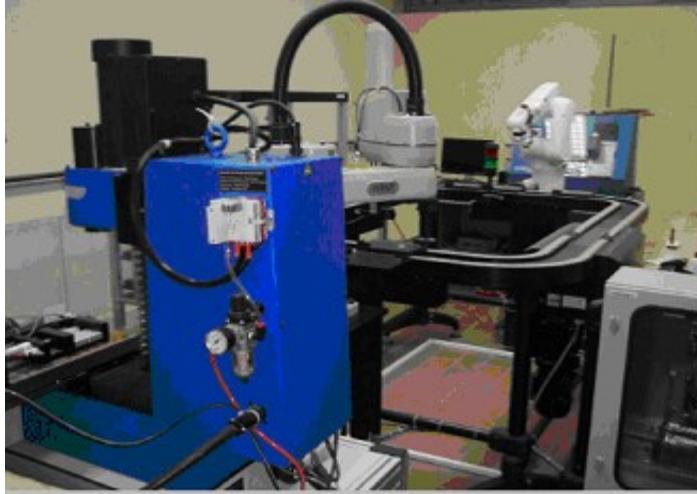


Figure 1.38 Computer Integrated Manufacturing System in Mechatronics Laboratory