

Assembly Overview

The assembly of the frame will include fastening of mechanical equipment, connecting and insulating electrical wires as well as light processing of mechanical components (grinding, drilling and cutting). The assembly of an existing test frame will also be required, where components will need to be mounted together with fasteners. The mounting of an existing motor will be required, which includes fastening it to the existing frame.

Equipment that will be used in the lab during assembly are:

- Drill
- Screwdriver
- Spanners
- Wire Cutters
- Multi-tool
- Pliers
- Super Glue
- Clamps
- Ruler, measuring tape and vernier

Activity Based Risk Assessment

Table 1: Risk Severity Scores

Likelihood	Low	Impact	High
High	2	3	4
	1	2	3
Low	1	1	2

Table 2: Activity Based Risk Assessment of Assembly

Activity	Risk	Type	Severity	Mitigation
Entering the Lab	Hand Injury from door/gate	P	1	Pay attention when entering the lab.