The documentation for your lab project will be in the form of a manual for the operation of your machine. This manual must include:

Instructions for:
- a. starting the machine
- b. loading the machine
- c. clearing jams

Diagrams:
- d. mechanical drawings or annotated photos
- e. PLC ladder logic
- f. State machine
- g. Smartmotor and SLA programs
- h. Wiring diagram or table, listing all I/O connections between PLC, sensors, pneumatic valves, IAI controllers, Smartmotor, and step motor amplifier

Descriptions:
- i. Operation of each major section of the machine
- j. Suggestions for future improvements

Examples of manuals from the previous classes can be seen at:
    http://engr.wallawalla.edu/engr480/reports/