

Automation Lab Exercise
Fall 2008
Rev. 1 9/28/06
Rev. 2 9/12/07

A potential customer of your company would like to assemble the supplied parts. The assembly rate will be one assembly every 15 seconds. A SCARA robot will be used to do the assembly and it is capable of the required rate. Your tasks are:

To conceptually design the required devices to present and manipulate the supplied parts

To conceptually design the device to hold the “base” part for assembly

You do not have to be concerned with fastening the parts together at this time

Please submit the following on quiz day:

A memo including the following:

A flow chart describing the process

CAD drawings or good sketches of the various feeders, fixtures or handling devices

A completed AML Technical Data Package Product Assembly form

Questions should be directed to Larry Ruff, ruffl@rpi.edu