

Tool Proficiency Project: *Boss Laser Cutter*

Instructions for Lab Assistant:

Before You Begin This Proficiency Assessment:

- Watch the introductory and training videos:
 - <https://www.bosslaser.com/demo-videos>
 - <https://www.bosslaser.com/how-to-videos>
- Read and understand instructions associated with the equipment

Supplies Required:

<i>Quantity</i>	<i>Item Description</i>
1	<i>Properly sized sheet of plywood</i>
1	<i>Snap Joint Box file from prototype library</i>

YOUR TASKS

- Import an Illustrator file of the snap joint box from the display cabinet
- Choose the proper material for the job
- Cut out and assemble the snap joint box

Proficiencies to Demonstrate:

Startup order: Turn on fan, count to 10 and think about grumpy cat, and then turn on laser

Touch off Z zero

Load the .ai file of prototype library Snap Joint Box

Connect lines: reduce cut time and make a closed contour

Group objects to influence cut order

Subtract holes

Set cut speed/power

Have multiple colors in a single file

Show how to cut parts inside a defined shape without cutting the shape itself