BOSSLASER™

Processing Mode Test Files
for LaserCAD v7.95.5
(Engraving & Cutting)

Before proceeding through this exercise, make sure you have the *latest version of LaserCAD (7.95.5 & up)**. To prolong the life of the laser tube, *we do NOT recommend going over 85% power over long periods*. Doing so will reduce the life of your laser tube and its performance.

Route Optimize Settings

<mark>**This section must be completed before running the test files**</mark>

Open LaserCAD with a new/blank file. To process the test files correctly in the order of the layers assigned to a given path, the **Route optimize** settings will need to be configured. **Figure 1** shows on how to access that menu by clicking on **Download button and clicking on the [...] button** located on the download window.
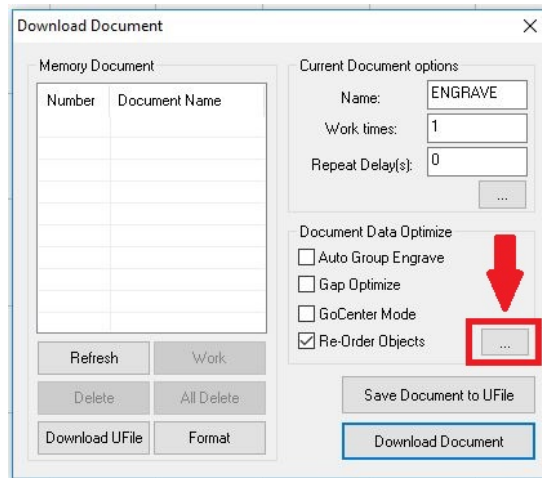

Figure 1. Accessing the Route optimize menu.

Here, **Figure 2** illustrates on which options should be selected. The only options that need to be check so that the following test files can run properly is **Order by layer, Inner to outer, and Automation set cut director**. Upon finishing this exercise, you may change back to any settings you had prior to this setup.
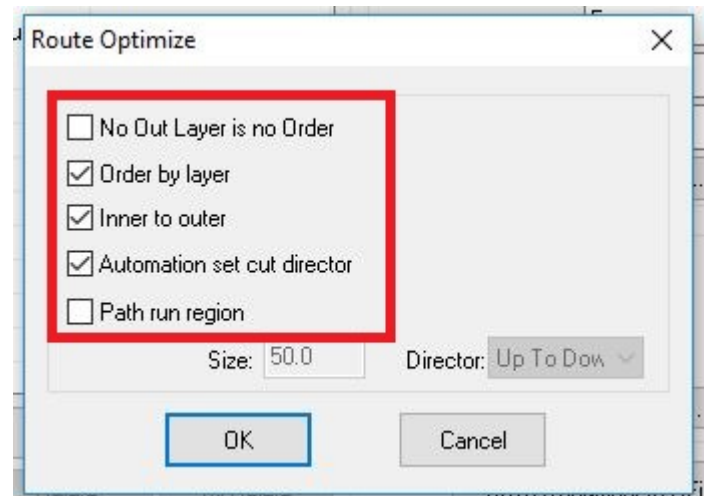

Figure 2. Route optimize settings.

*Find the latest version of LaserCAD at www.bosslaser.com/laser-software.

Engraving Test File

Now go to **File(F) > Open...** and locate the file **"*Engraving Test File LaserCAD.*"** Select and open the file to see a pre-made template with different layers associated with it's own power setting, as illustrated in **Figure 3**. There's no need to change any of the layers and settings since they are already configured correctly. If the image is larger than your sample material that you'll be testing on, you can resize the image (as a whole) to properly fit your material.

Finally, download the file to your machine by either using the **Download Document** button (using the Blue USB Cable) or the **Save Document to UFile** button (using a USB Flash Drive). Make sure you autofocus (or focus with the focal guide if the autofocus feature is not available to you) the material and **BOX** (framing) the image before running the file. For best practice, framing before running the file will help you align your image onto your material accurately and effectively.
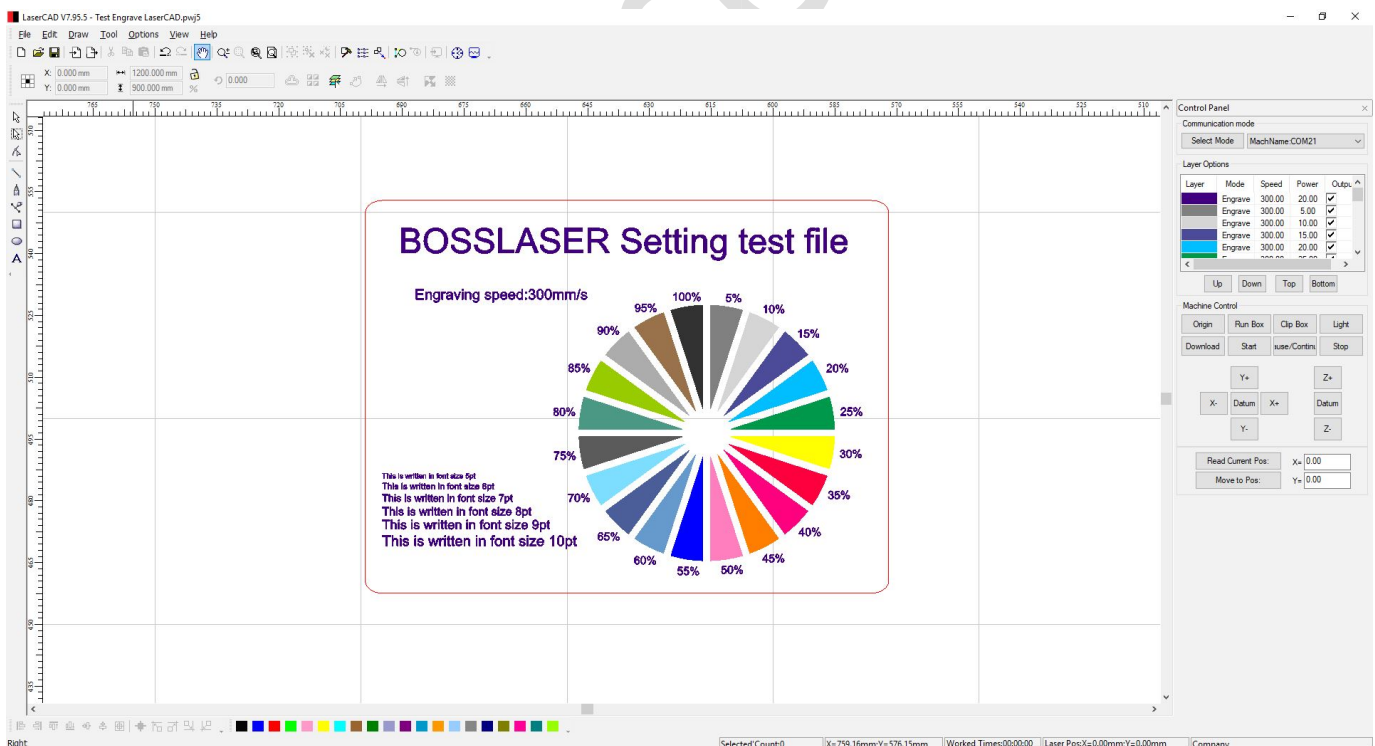

Figure 3. Engraving test file with different power settings @ 300 mm/s.

Cutting Test File

Go to **File(F) > Open...** and locate the file **"Cut Test File LaserCAD."** Select and open the file to see a pre-made template with different layers associated with it's own power setting, as illustrated in **Figure 3**. There's no need to change any of the layers and settings since they are already configured correctly. If the image is larger than your sample material that you'll be testing on, you can resize the image (as a whole) to properly fit your material.

Now, download the file to your machine by either using the **Download Document** button (using the Blue USB Cable) or the **Save Document to UFile** button (using a USB Flash Drive). Make sure you autofocus (or focus with the focal guide if the autofocus feature is not available to you) the material and **BOX** (framing) the image before running the file. For best practice, framing before running the file will help you align your image onto your material accurately and effectively.
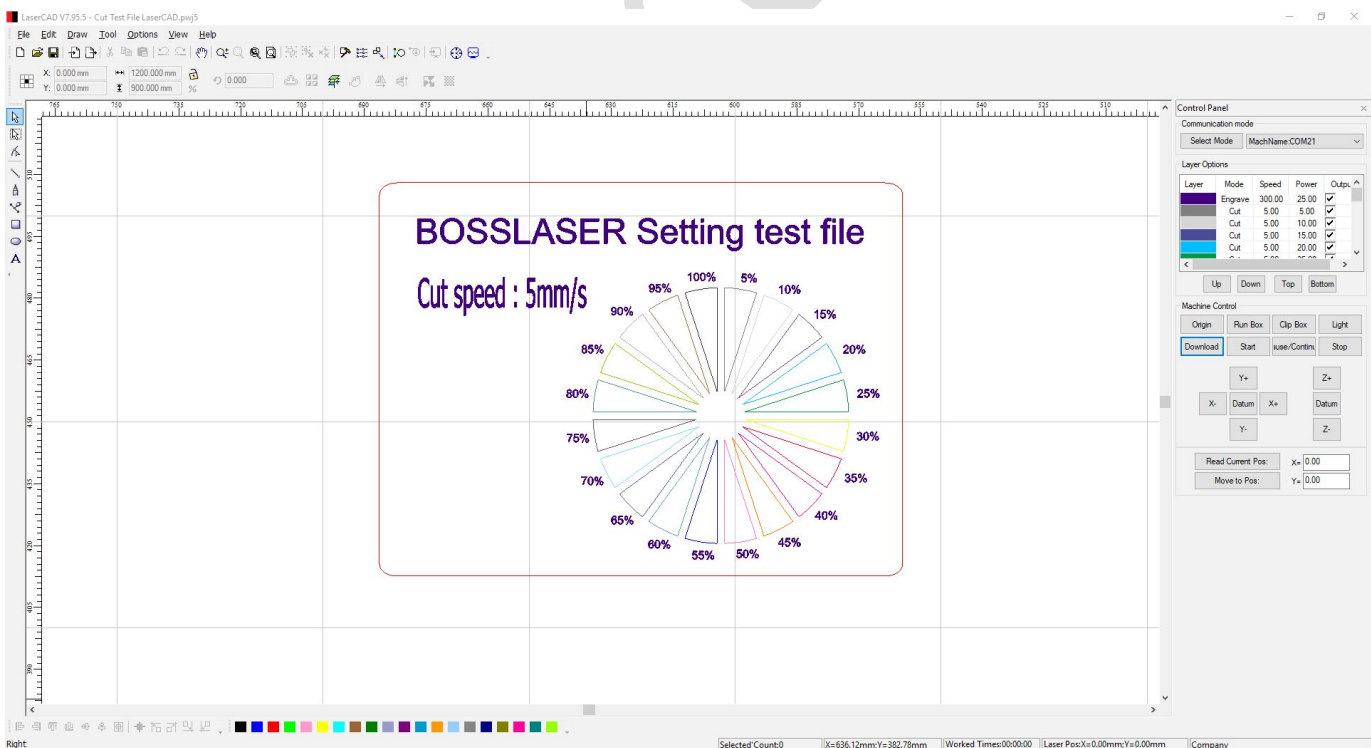

Figure 4. Cutting test file with different power settings @ 5 mm/s.