

Work Example — Simultaneous Cutting and Engraving (Adobe Illustrator + RDWorks6)

RSD-SUNMAX Series
SUNMAX LASER

About this document: This is an English translation of the Japanese original prepared by SUNMAX LASER for reference purposes. In case of any discrepancy, the Japanese original shall prevail. Specifications are subject to change without notice.

Work Examples — Simultaneous Cutting and Engraving (Adobe Illustrator / RDWorks6 Edition)

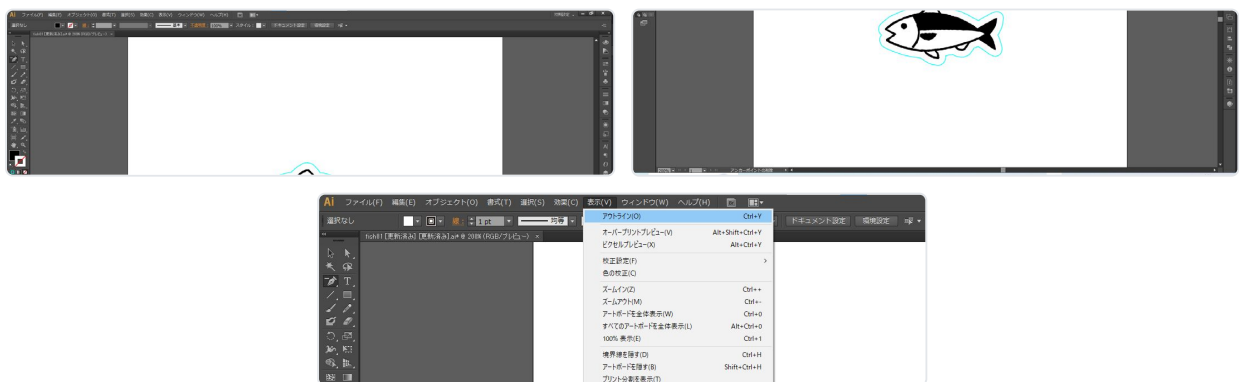
- This document assumes that the laser machine has already been set up correctly.
- This document assumes that RDWorks6, the control software for the LT6040ST908, has been installed correctly.
- This document uses Adobe Illustrator CS6.
- The setting values in this document are reference values only. Change them to suit the material you are processing.

1. Prepare the cutting data and the engraving data in Adobe Illustrator

First, create the processing data. When you do so, set the line (stroke) colors of the data you want to cut and the data you want to engrave to different colors. (RDWorks6 identifies the line colors and separates the data into layers accordingly.)

Caution: On the Adobe Illustrator editing screen, if fill colors are applied, take care to check that no objects overlap.

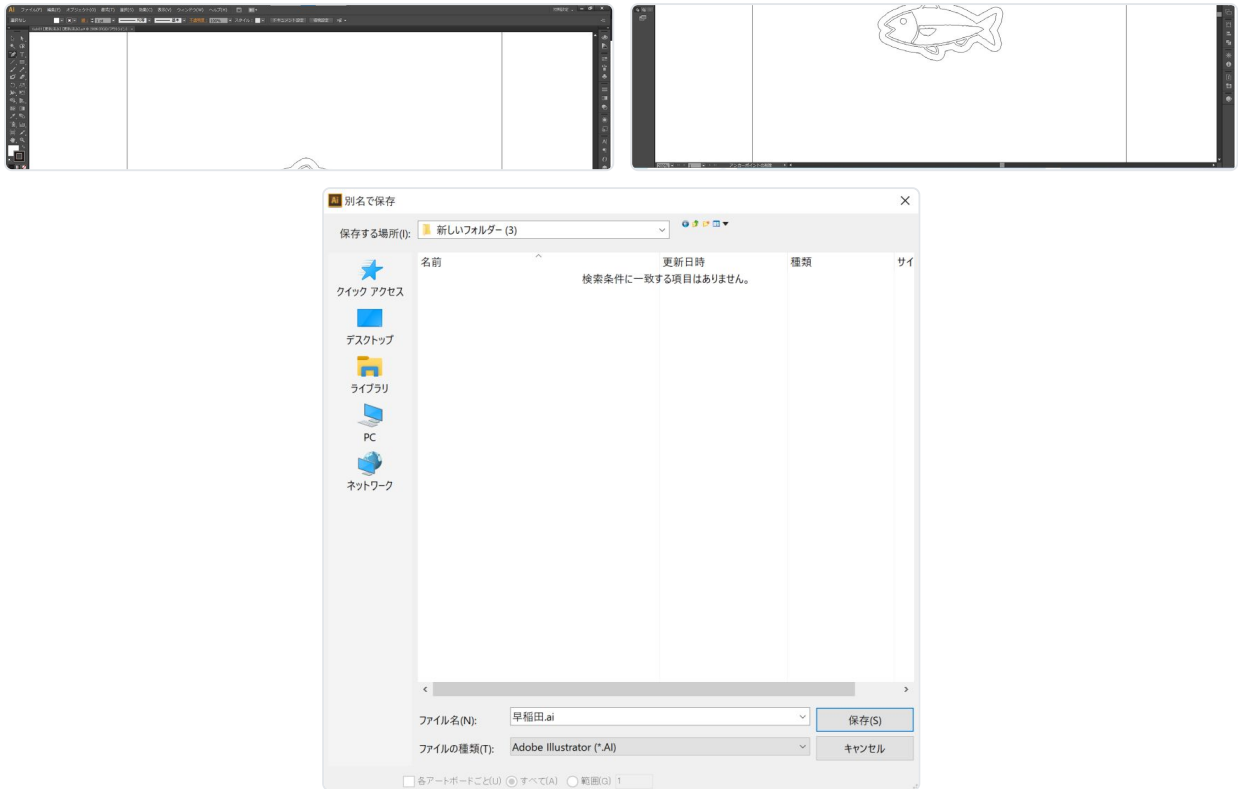
From the View menu, select "Outline" (or press Ctrl+Y) to switch to outline view, and check that no objects overlap.



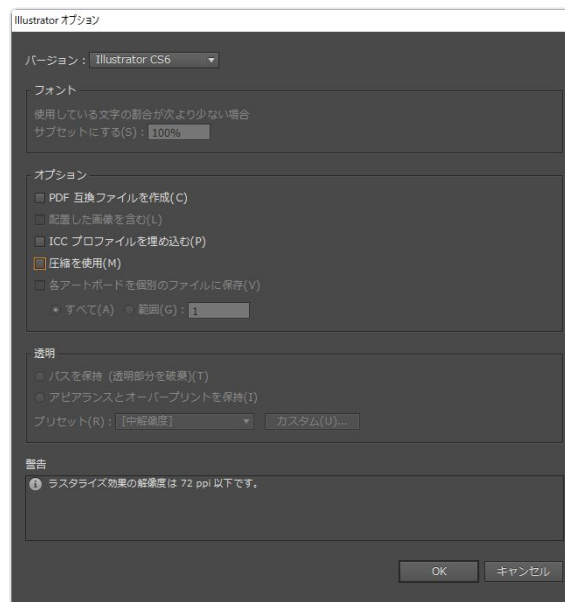
Reference: <https://www.laser-machine.com/LT-ST908/manual2/workinfo007.pdf>

Once you have confirmed that there are no problems with the data, click "Save As" on the File menu.

The "Save As" dialog appears. Set the file type to "Adobe Illustrator (*.AI)". Specify a file name of your choice and click the "Save" button.



The options dialog appears.



Click OK to save the data, then exit Adobe Illustrator.

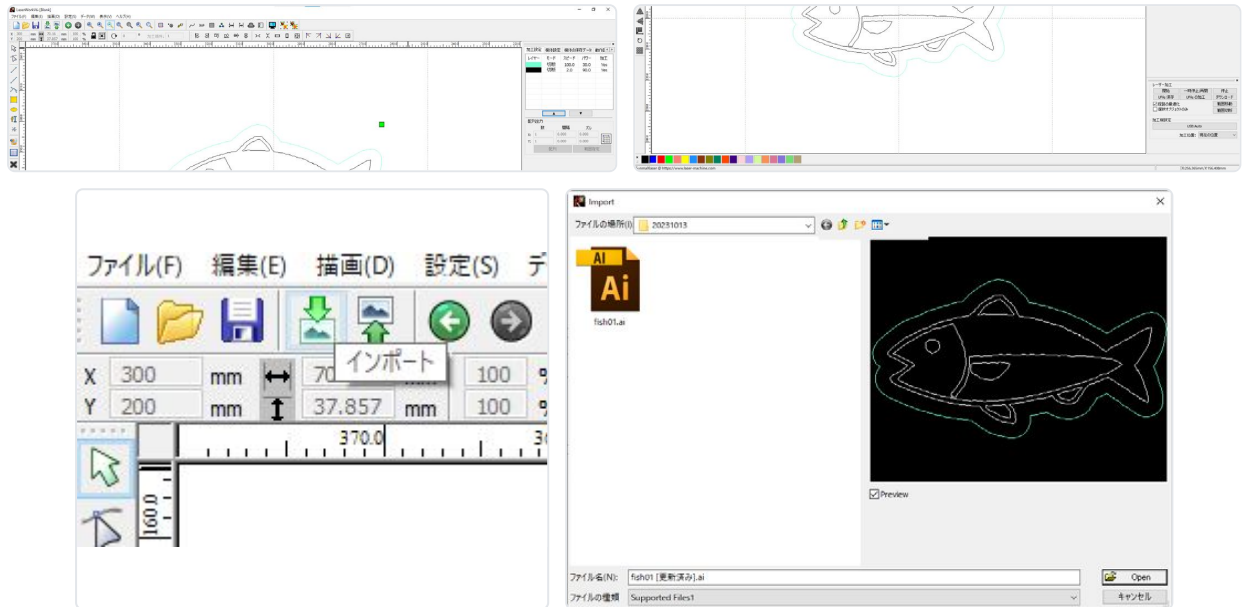
Use a version earlier than CS6.

Clear all of the option check boxes.

2. Import the data file

Start RDWorks6 and import the data created in step 1.

The files that can be imported are displayed. Select the data you want to process and click Open.



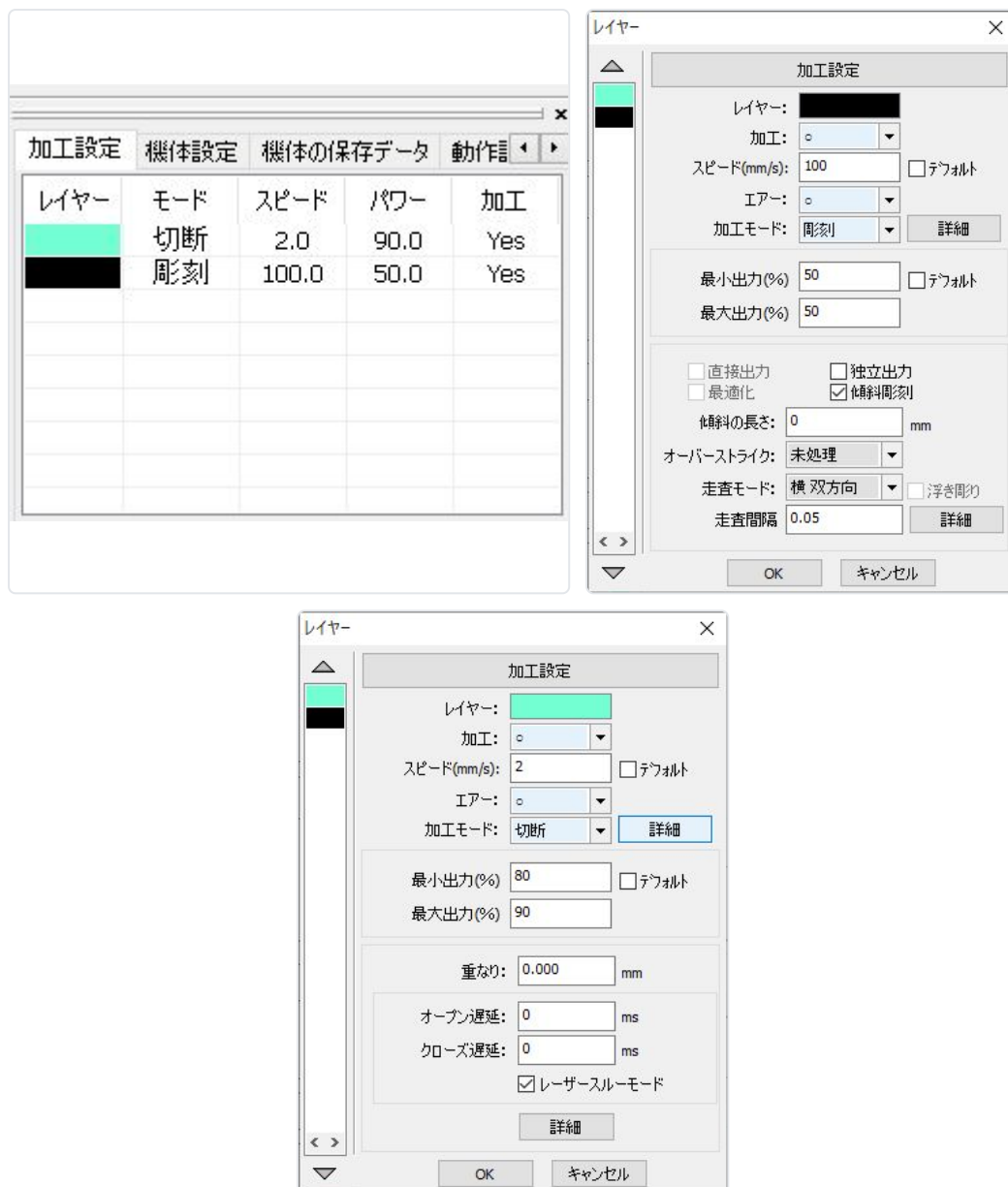
The data is imported with the layers separated according to the line colors set in Illustrator.

Caution: RDWorks6 does not carry over the fill information set in Adobe Illustrator.

3. Configure the processing settings for each layer

Configure the processing settings for each color-separated layer. In this document, black is used for engraving and blue for cutting.

Double-click the processing setting layer shown at the top right of the screen to display the layer dialog.



The setting values are reference values only. Change them to suit the actual material before processing.

Once all of the setting values have been entered, click OK to confirm the settings.

4. Check with the preview

Once the engraving and cutting settings are complete, you can check the job in the preview before running the actual process.

Click Preview on the Edit menu, or click the Preview icon, to display the preview screen.



Data with cutting settings is displayed as colored lines, and data with engraving settings is displayed filled in.

Caution: The processing time shown in the preview is a calculated value, so it may differ significantly from the actual processing time.

The Start button lets you check an animated preview of the actual processing path.

The Pause/Resume button pauses or resumes the preview animation.

The Stop button ends the preview animation.

To close the preview screen and return to the RDWorks6 work screen, click the close button "x" at the top right.

The setting data described above can be downloaded from:

https://www.laser-machine.com/LT-ST908/manual2/fish_cut_and_engraving_data.rld