

Work Example — Cutting Printed Paper Designs

RSD-SUNMAX Series
SUNMAX LASER

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Work Example — Cutting Printed Paper Designs

(Adobe Illustrator Edition)

- This document assumes that the laser processing machine has been set up correctly.
- This document assumes that RDWorksV8, the control software for the RSD-SUNMAX series, has been installed correctly.
- This document uses Adobe Illustrator CS6.
- This document covers only the steps up to data output. If you want to see the actual processing procedure, please refer to "Your First Processing Job."

1. Introduction

This is an example of cutting design data such as a logo or drawing printed on paper.

To engrave, scan the content of the page with a scanner, convert it to a monochrome bitmap, and import it into RDWorksV8; it can then be processed. (Depending on the accuracy of the scanner, some detail correction may be required.)

To cut, use the image data captured with the scanner and create path data with Adobe Illustrator.

2. Creating the Data

2.1 Scan the data with a scanner

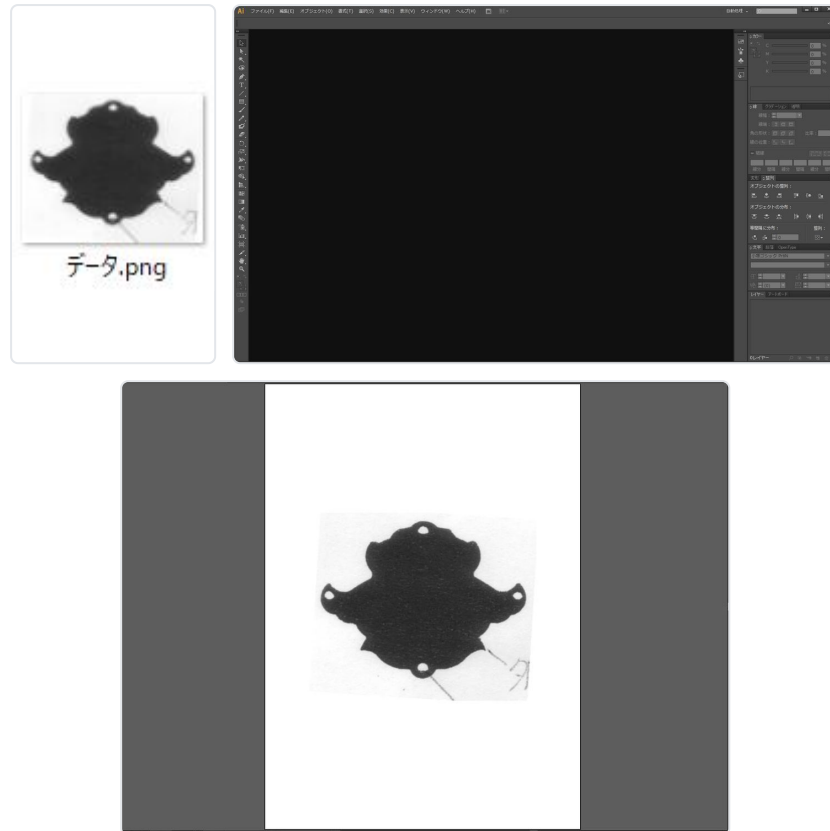
Scan the paper design with a scanner. For scanning, follow the settings for your scanner model as appropriate for the content. Generally, scan at a resolution of 300 dpi or higher.

* For the scanning method, refer to "Scanning Images" in the RDWorksV8 User Manual.

2.2 Load the data into Adobe Illustrator

Load the image data captured with the scanner into Adobe Illustrator. If you drag and drop it onto an area where no Illustrator document is open, a new document is created and the image data is displayed.

The data is now displayed.



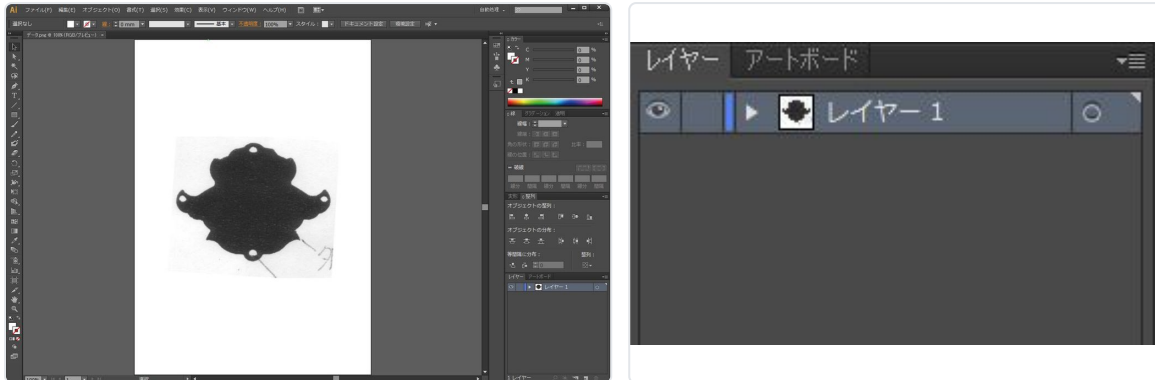
2.3 Create a layer

There are various ways to create path data; here we use the method best suited to beginners.

Create a layer for the path data. Layers are created in the Layers panel. (If the Layers panel is not displayed, click "Window > Layers" from the menu to display it.)

* The location where the Layers panel appears may differ from the figure below.

Click the menu button in the Layers panel to display the menu. Click "New Layer."



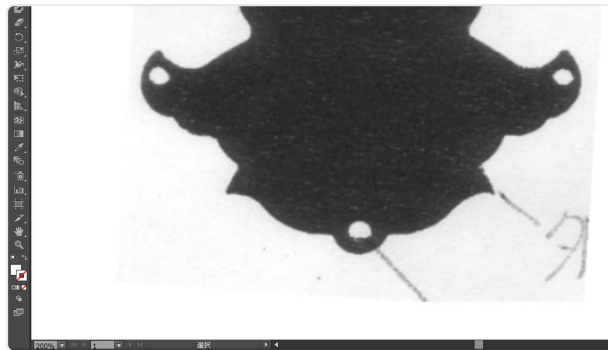
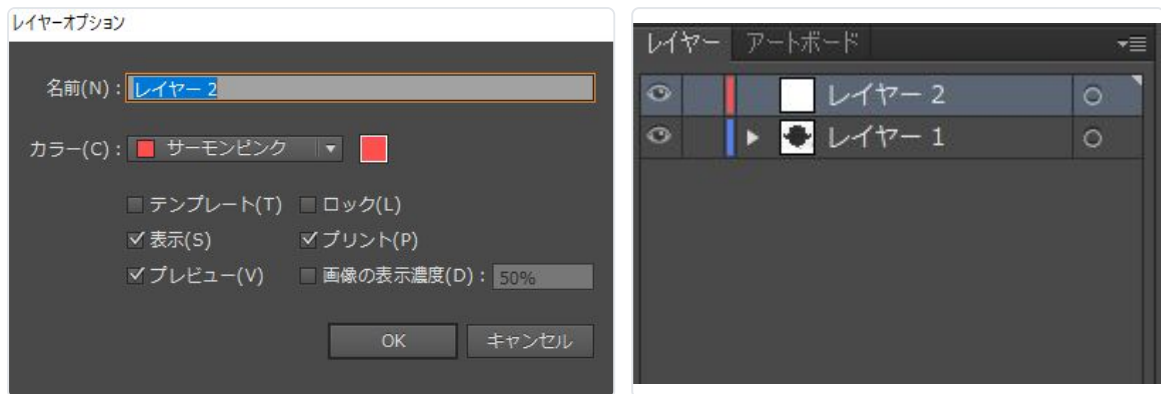
Callouts: Click New Layer / Menu button

The "Layer Options" dialog appears. Without changing anything, leave the default settings and click the "OK" button.

"Layer 2" has been added to the Layers panel.

2.4 Trace the outline with the Pen tool

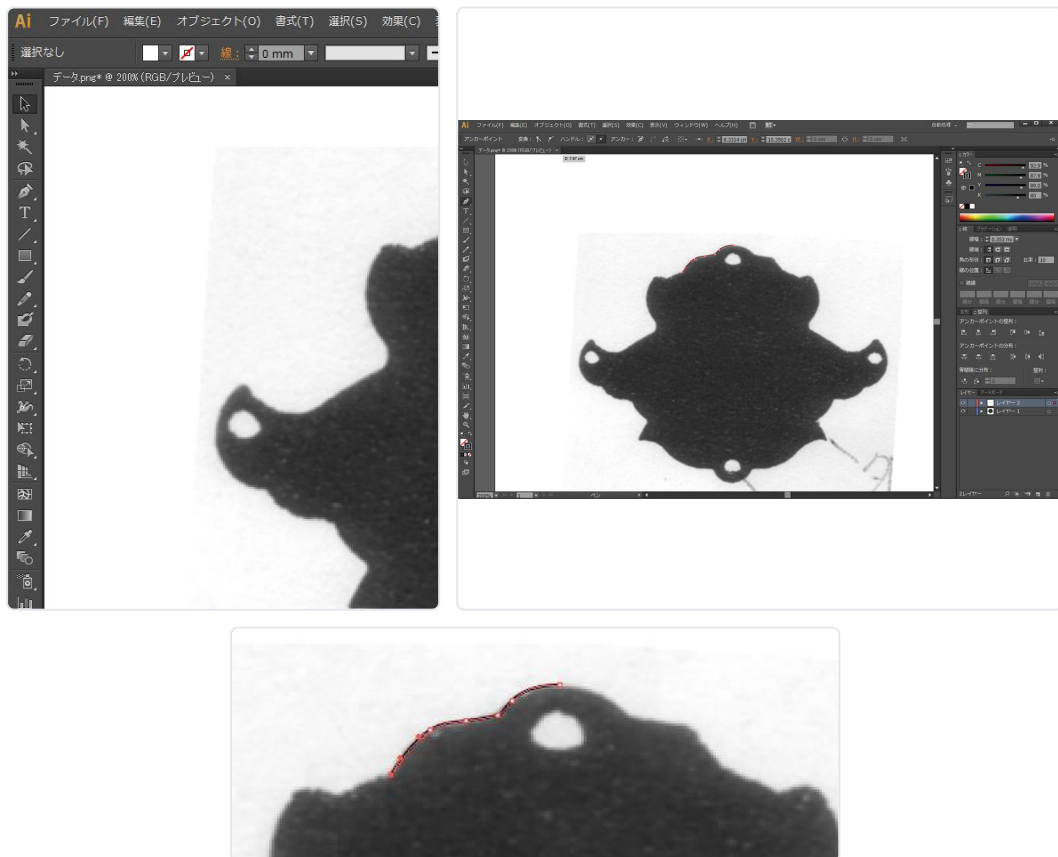
First, set the display magnification to a size that is easy to see. A larger magnification makes tracing easier.



Callout: Change the display magnification

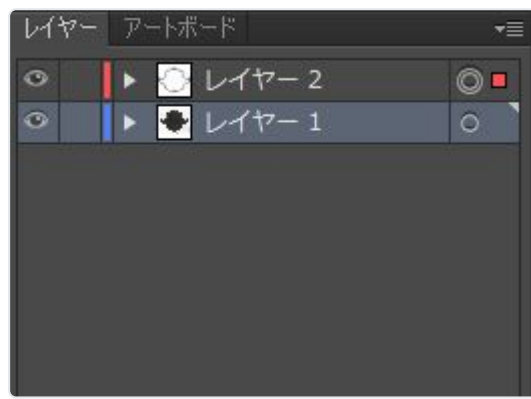
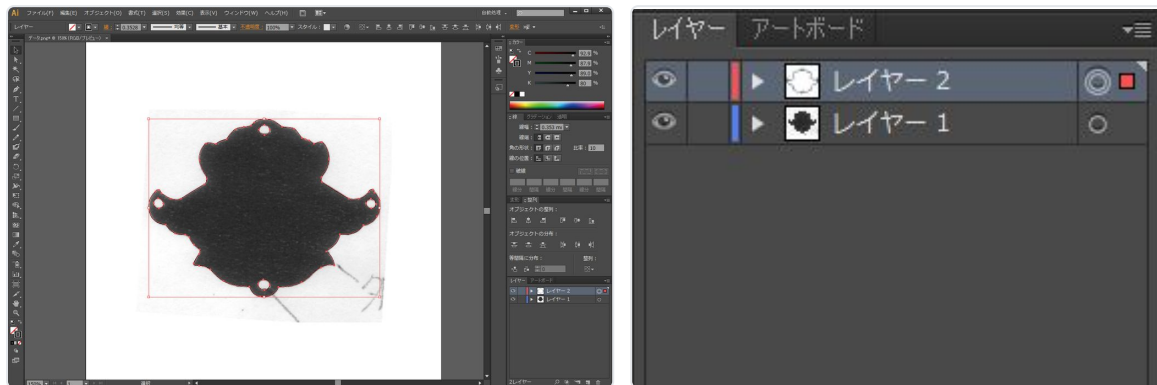
Click the "Pen tool" in the Tools panel to select it.

The mouse cursor changes to a pen shape; trace the outline by clicking along it.



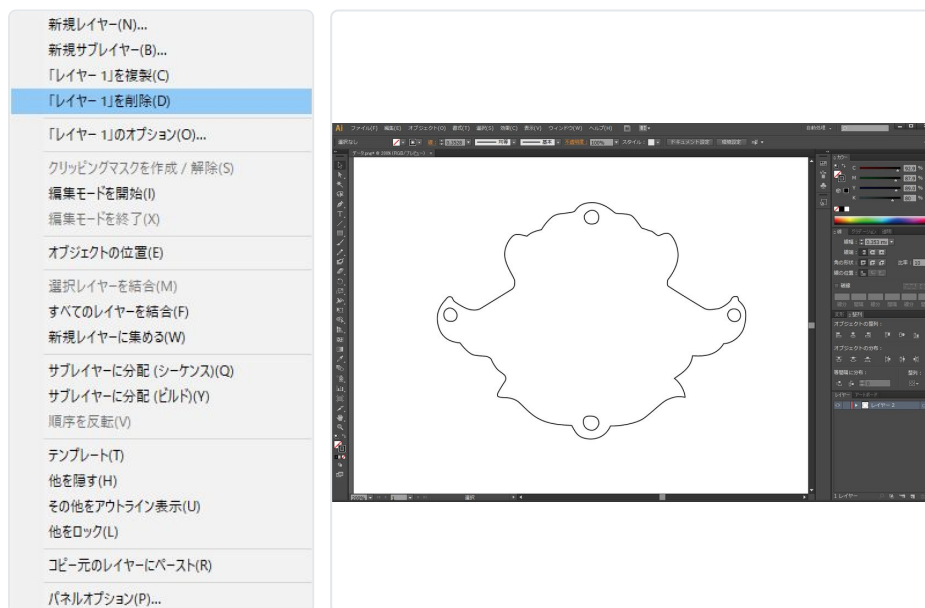
When the start point and end point of the pen path along the outline meet, tracing ends at that point and you can trace the next area. Trace all of the outlines.

When you have finished tracing all of the outlines, delete Layer 1 in the Layers panel.



Callouts: Click Layer 1 to select it / Click the menu button

Tracing is now complete.

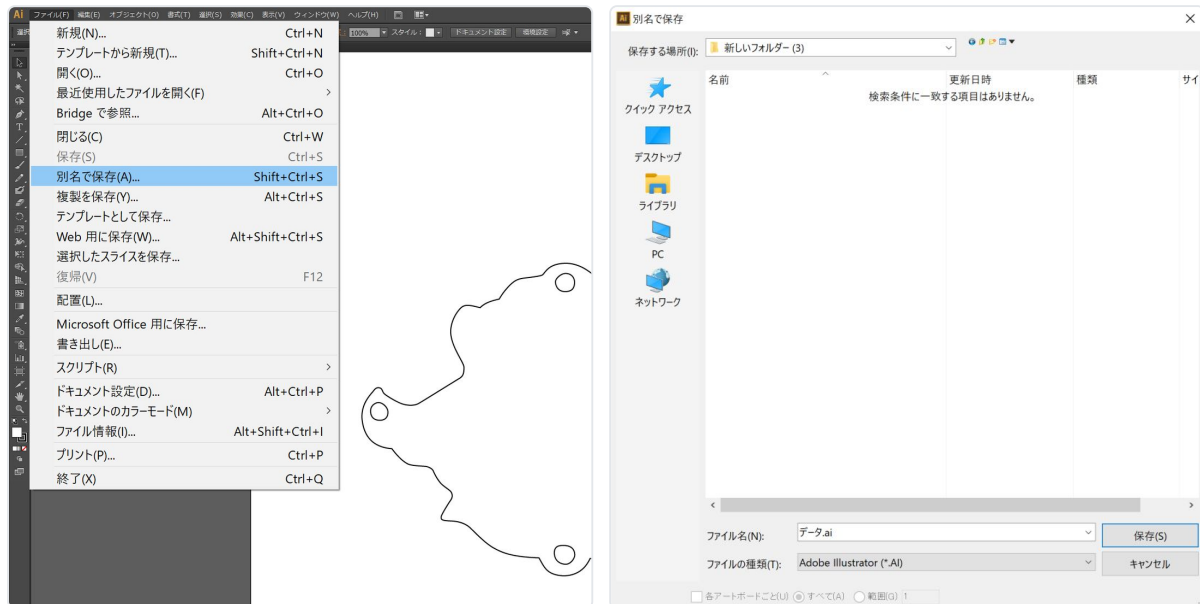


Callout: Click "Delete Layer" from the menu

3. Saving the Data

Save the data using "Save As" from the menu.

In the Save File dialog, specify the file name and the save location. Leave the file type at the standard "Adobe Illustrator (*.AI)." Once entered, click Save.



An options dialog appears.

Click the "OK" button to complete saving.

Use a version earlier than CS6 for the version setting.

