

RSD-SUNMAX-UVZH — EZCAD2 Operation Guide 1: Creating Text Data

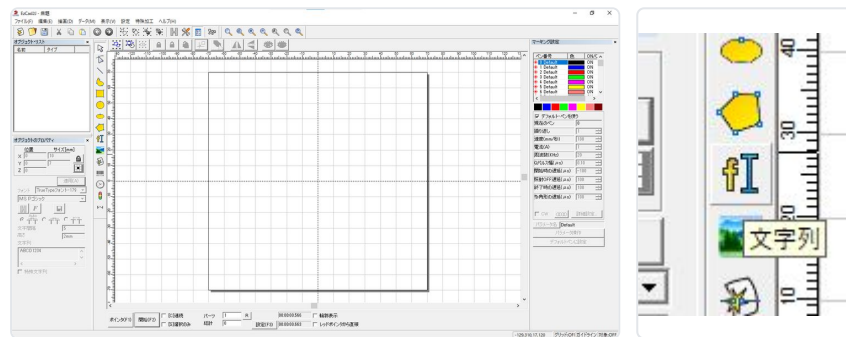
RSD-SUNMAX Series
SUNMAX LASER

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.

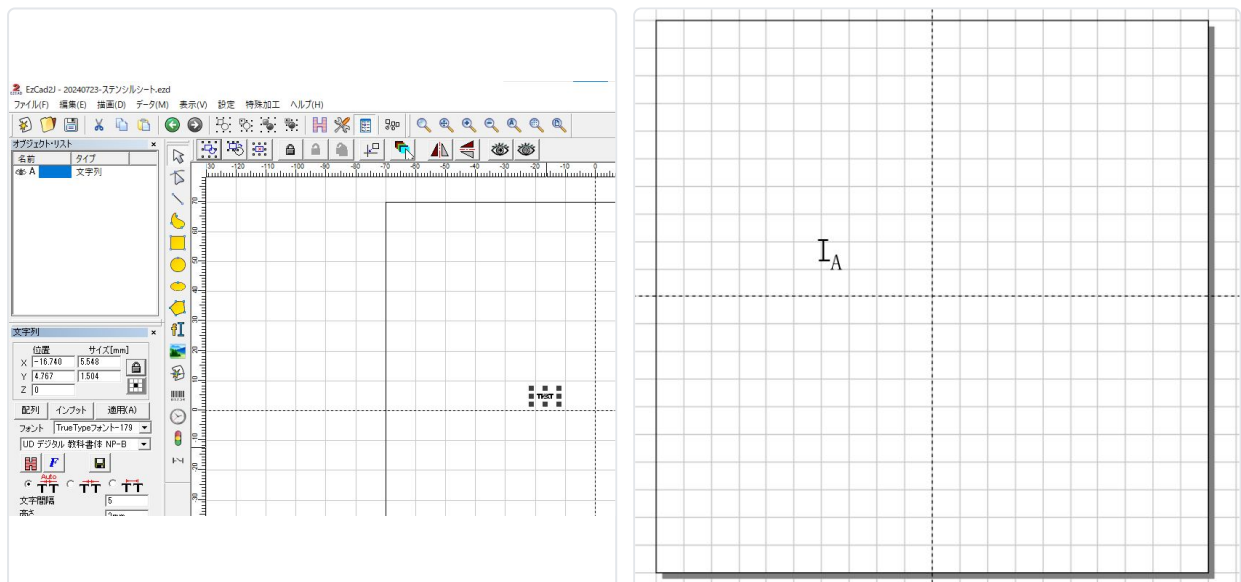
- This document assumes that the RSD-SUNMAX-UVZH (hereinafter "UVZH") has been set up correctly.
- This document assumes that EZCAD2, the control software for the UVZH, has been installed correctly.
- The setting values in this document are reference values only. Adjust them to suit the material you are processing.

The following is the procedure for creating text data in EZCAD2. This procedure is not required when using external data.

Click the Text tool on the toolbar. The mouse pointer changes shape as shown below.



Move the mouse pointer into the drawing area and click at any position; the default text ("TEXT") appears.



Note: The appearance of the text (font, size, etc.) varies depending on your settings.

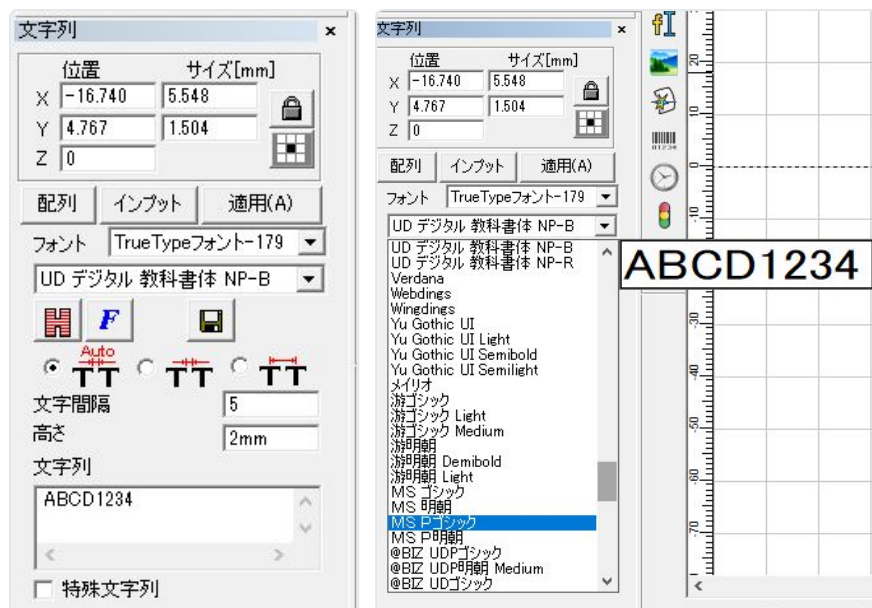
To change the default "TEXT" characters to any text you like, edit the contents of the "Text" input area.

Set the character size with the "Height" value.

To change the font, click the ▼ button on the combo box and choose from the list that appears.

Note: The row under the mouse pointer in the font list becomes the selected item, and the current text is previewed in that font at the right edge of the list. The preview may appear blank, for example when the font does not include the required characters; in that case, that font cannot be used.

The fonts shown in the list depend on your PC environment.

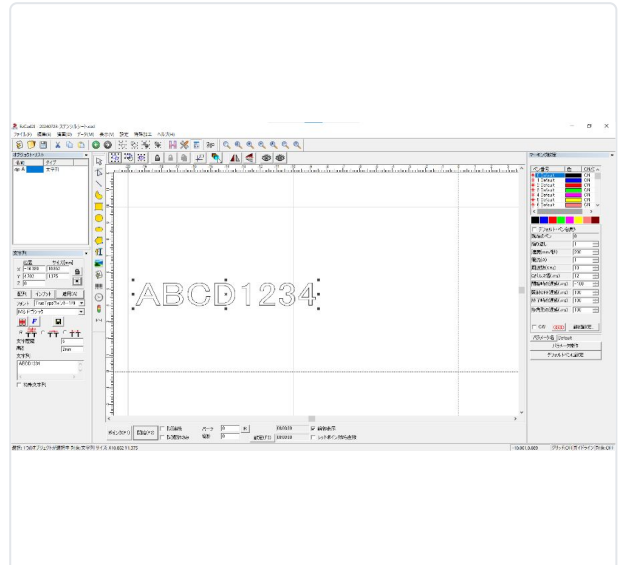


Click the Apply button to apply the settings.

To adjust the text formatting (character width, etc.), click the "F" button and configure the detailed text settings.

Adjust the character width, character spacing, and other text parameters, then click the "OK" button to apply the settings.

Note: For details on text settings, refer to the "Text" section of the user manual.



Use the zoom tools to check your edits.

This completes the text adjustment.

Next, fill the inside of the text with hatching. With the text object selected, choose "Edit" > "Hatch" from the menu, click the "Hatch" button on the toolbar, or click the hatch button in the text properties; the Hatch dialog appears.

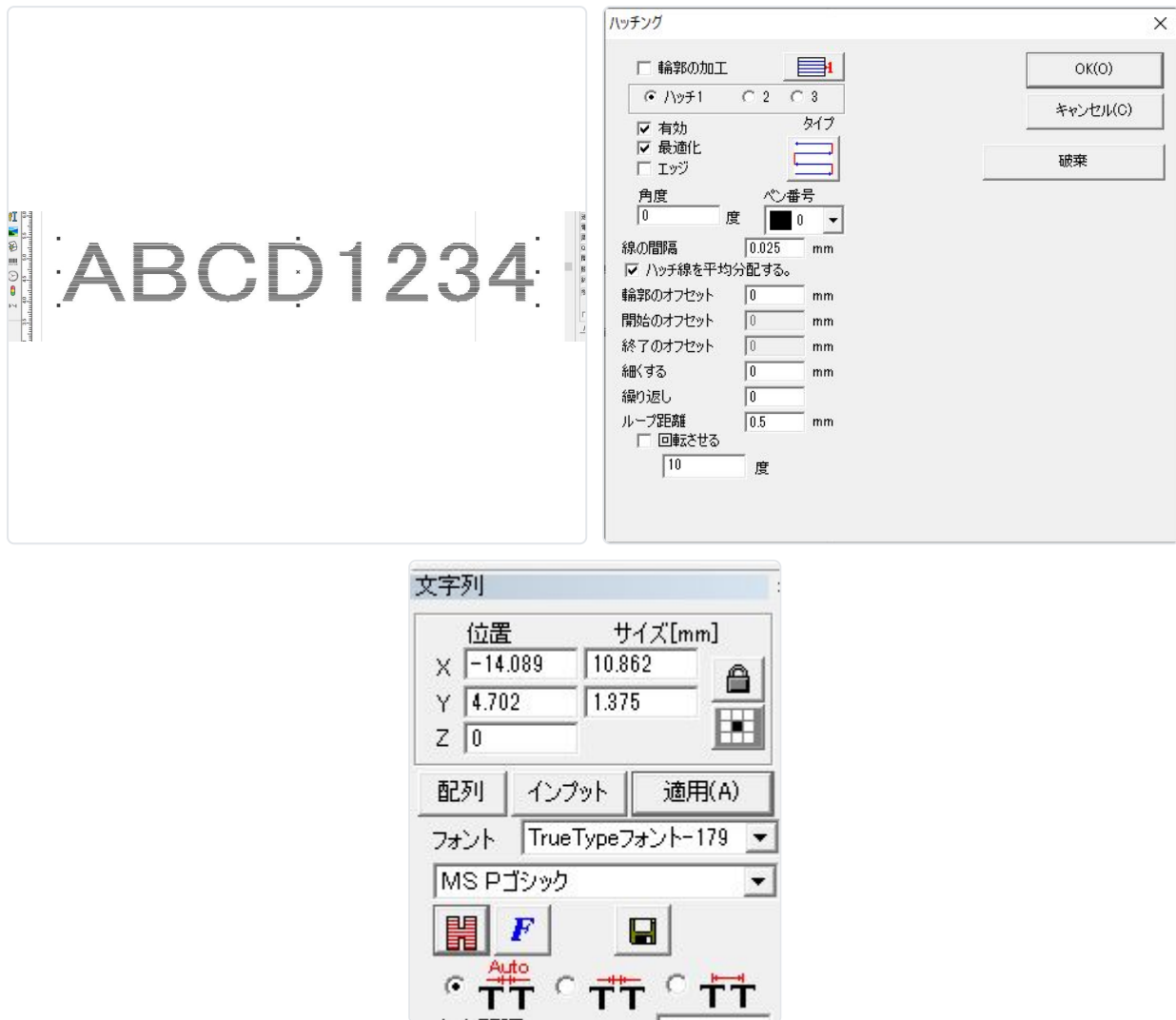
Configure the hatch settings as follows:

Item	Setting
Hatch	Select Hatch 1
Enable / Optimize	Both checked
Angle	0 degrees
Type	Bidirectional mode
Pen No.	0 (black)
Line spacing	0.025
Average distribute hatch lines	Checked
Edge offset	0 mm

After entering the settings above, click the "OK" button.

The hatch settings are applied.

For details on hatch settings, refer to the "Hatch" section of the user manual.



In the marking settings on the right side of the screen, configure the processing settings for pen number 0 (black), which was selected for hatching.

Before configuring the pen, deselect all objects: click once on an empty area of the work area so that no object is selected.

Click the pen color (black) and uncheck "Use default pen".

Configure the pen settings as follows:

Item	Setting
Loop count	1
Speed	1000 mm/sec
Current	1 (do not change)
Frequency	20–50 kHz
Q pulse width	2–6 μ s

Do not change any other settings.

Note: Appropriate values vary depending on your environment.

The pen settings have no Apply button or similar; the values you enter take effect as entered.



Click the "Pointer" button at the bottom of the screen to check the marking position.

Click the "Start" button to begin marking.

