Roland Stika SV-15
Vinyl Cutter

Quick Start Guide

- **Turn on computer connected to the Roland Stika SV-15.**

- **Locate power switch on the front, right side of the Roland Stika SV-15.**

Useable Material Types

The following materials can be used with this machine.

	SV-15	SV-12	SV-8
Size	Width: 360 to 381 mm (14-1/8 to 15 in.) 280 to 305 mm (11 to 12 in.) (A3 length, A4 width) Length: 1100 mm (43-1/4 in.) or less	Width: 280 to 305 mm (11 to 12 in.) (A3 length, A4 width) Length: 1100 mm (43-1/4 in.) or less	Width: 200 to 215 mm (7-13/16 to 8-7/16 in.) (A4 length) Length: 1100 mm (43-1/4 in.) or less
Material Types (*)	Vinyl chloride material (material section thickness is 0.1 mm or less, thickness including the backing paper is 0.3 mm (0.012 in.) or less) Label paper (Thickness including backing paper is 0.3 mm (0.012 in.) or less)		

* The machine may not cut certain materials.

➤ Do not use material that is in a condition indicated below. It may come loose or jam during cutting.

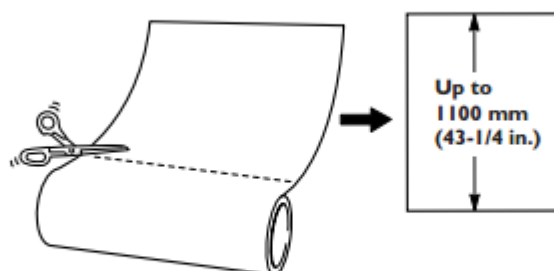| The material is curled upward. | The material edge is not straight | The left and right edges of the material aren't parallel | The material is longer than 1100 mm (43-1/4 in.) |

Using Roll Material

If you're using a roll of material, make sure to add a margin greater than 40 mm (1-5/8 in.) to the cutting area prior to cutting the material from the roll. Material with a maximum length of 1100 mm (43-1/4 in.) can be loaded into the machine. However, the cutting area is only 1000 mm (39-5/16 in.).
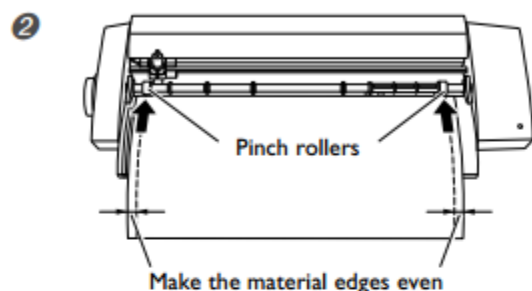
Up to 1100 mm (43-1/4 in.)

➤ Cut the material at a right angle. If the front edge of the material is uneven, it may feed improperly during cutting and could skew diagonally and come loose.
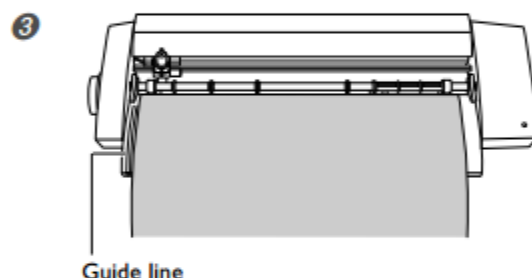
Step 1: Load Material

Procedure

❶ Turn the machine off.

❷
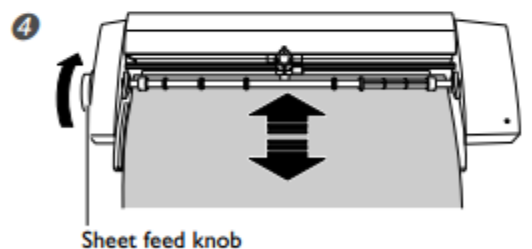
Pinch rollers

Make the material edges even

Verify that the material is narrow enough to be loaded and that it touches the pinch rollers.

If you are using the SV-15 model, adjust the pinch rollers to the material width and then advance the material to touch the pinch rollers.
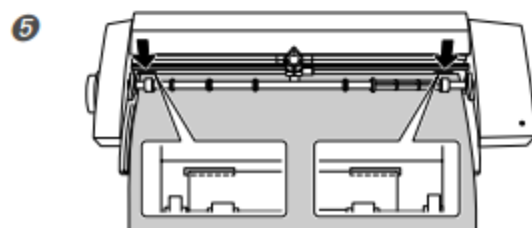
❸

Guide line

Verify that the left edge of the material is parallel with the guide line.

* If it is not, trim the excess material from the edge of the material that is touching the pinch rollers until the left edge is parallel with the guide line.

❹

Sheet feed knob

Turn the sheet feed knob and move the material into the machine and then back out. Verify that the material does not come loose.

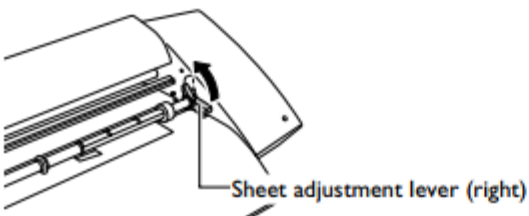* Reload the material if it becomes skewed or if it comes loose.

❺

Align the material edge with the marks at the back of the blade protector.
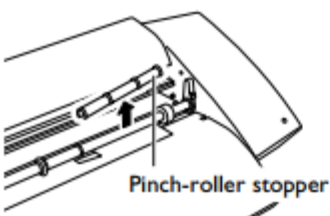
Changing Loadable Material Width (for SV-15)

In the SV-15 model, you can change the loadable material width to match the material being loaded (360 to 381 mm (14-1/8 to 15 in.) or 280 to 305 mm (11 to 12 in.)). Change the pinch roller location and driver settings to change the width.

❶ Raise the sheet adjustment lever on the right side.
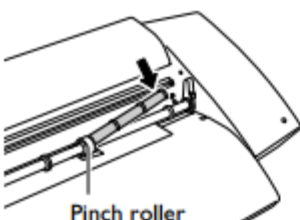
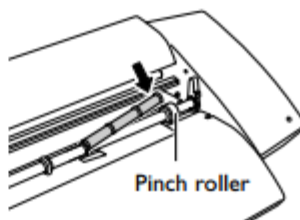Sheet adjustment lever (right)

❷ Remove the pinch-roller stopper.
Do not use excessive force to widen the opening when removing the pinch-roller stopper. If the opening is widened, the stopper may become loose and fall out when it is next attached to the unit.

Pinch-roller stopper

❸ Move the right side pinch roller to match the width of the material being loaded and attach the pinch-roller stopper.
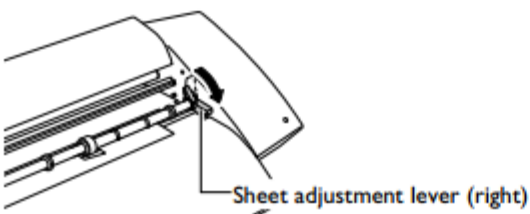
Pinch roller

For 280 to 305 mm (11 to 12 in.)

Pinch roller

For 360 to 381 mm (14-1/8 to 15 in.)

❹ Lower the sheet adjustment lever on the right side.
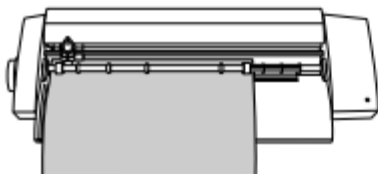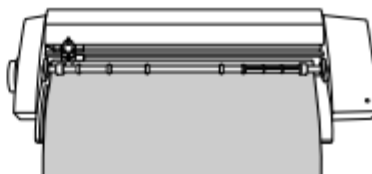
Sheet adjustment lever (right)

❺ Load material.
☞ p 28 "Step 1: Load Material"

For 280 to 305 mm (11 to 12 in.)

For 360 to 381 mm (14-1/8 to 15 in.)

❻ Change the driver cutting area to match the size of the loaded material. (see next page)

Step 2: Create Cutting Data

Use the cutting software "CutStudio" to create cutting data.
Refer to "Roland CutStudio Online Help" for a detailed explanation of CutStudio operations and features.
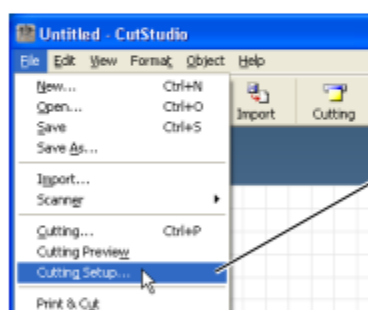
➤ If you are using Windows 2000/XP, log on to Windows as "Administrator" right.
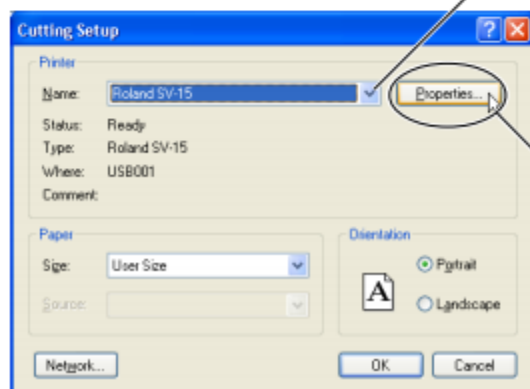
1. Start CutStudio.

Click [Start].
Point to [All Programs] (or [Program]) –
[Roland CutStudio], then click [CutStudio].
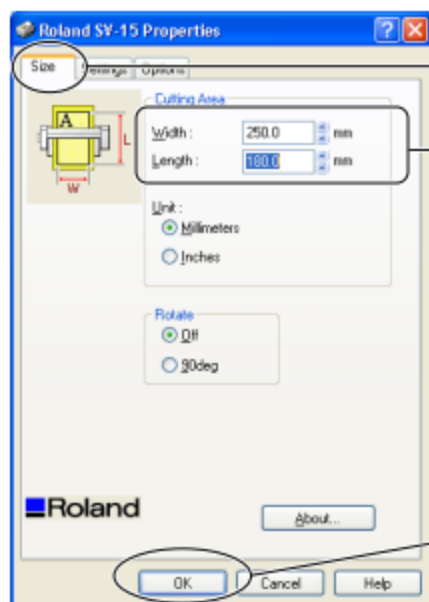
2. Make the settings for the cutting range.

❶ Click [File], then click [Cutting Setup].
The [Cutting Setup] screen appears.

❷ Select the name of the model you are using under [Name].
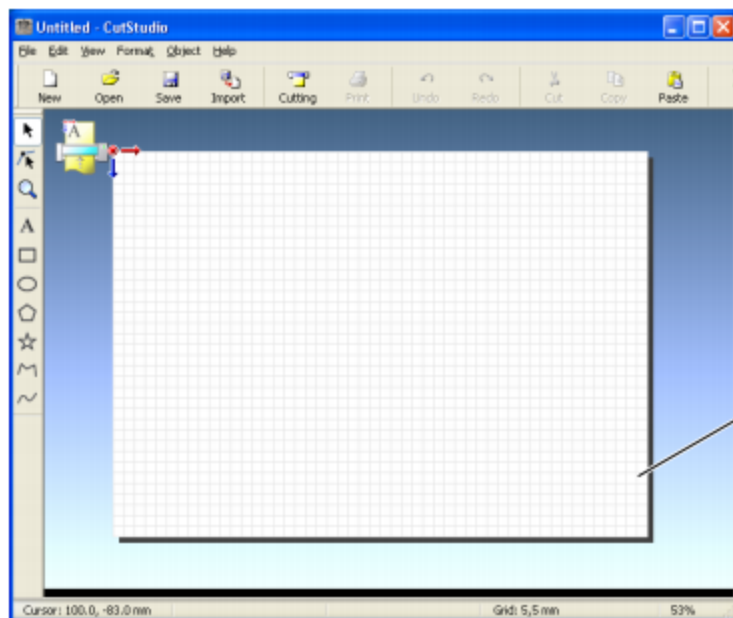
❸ Click [Properties].
The [Properties] screen appears.

④ Click the [Size] tab.

⑤ Set the cutting range to match the loaded material size.
For the width, click [🔼] to select either 250 (9.84 in.) or 340 mm (13.39 in.) (SV-15 only).
(* Set to 250 mm (9.84 in.) if you are using the included test-use material.)
The width cannot be changed on the SV-12/8 models.
For the length, set a range that subtracts the margin from the loaded material length.

⑥ Click [OK].

⑦ Click [OK] again to close the [Cutting Setup] screen.
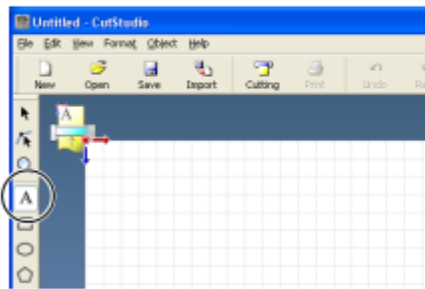
The cutting range has now been set.

The white area is the cutting range. Text or shapes drawn outside this range are not cut.
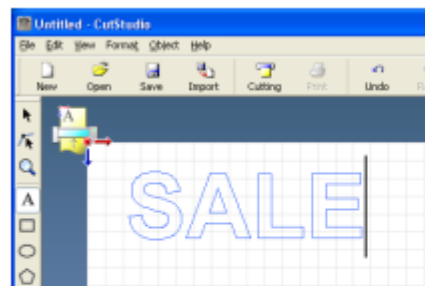
3. Insert text and shapes to create the cutting data.

In this example, we'll enter the word "SALE" as the text and draw a frame around it to make it easier to peel off later.

❶

Click [A].

❷

Click anywhere in the white area, then type in "SALE."

❸

Click, then drag to change to the required size.

Click [↖].
Displayed around the text are ■ and ▼ symbols.
Drag the ■ and ▼ symbols for the text box to change the size of the text.

❹

Click the upper-left corner, then drag to the lower right to change to the required size.

Click [▢].
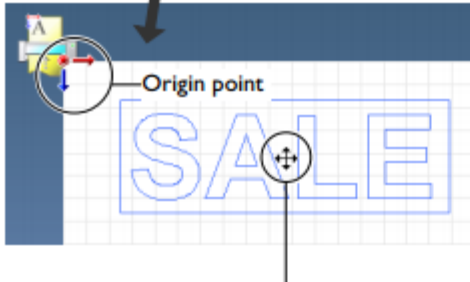Draw a rectangle around the "SALE" text.

⑤

Click [▶].
Use the mouse to select an area containing the text and the rectangle.
When you select this, the line turns blue.
Move the position to the top of the window, near the origin point.

—Origin point

Move the pointer to inside the text.
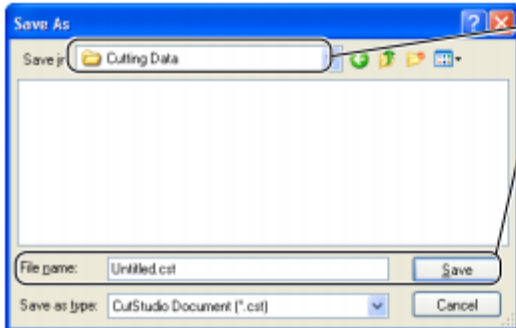When the shape of the pointer changes to a cross, drag to move.

⑥

Click [Save].
The [Save As] screen appears.

⑦

For "Save in," choose the folder you want.
Enter the file name, then click [Save].
The data you created is saved.

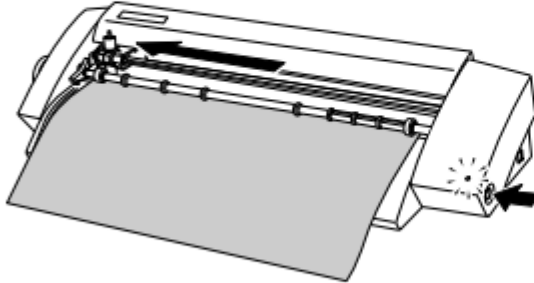## Important Note When Saving Data

The cutting range set in [File] – [Cutting Setup] – [Properties] is not saved. The next time you import data, go to the [Cutting Setup] menu and redo the setting for the cutting range.

Step 3: Perform Cutting

Before cutting, verify that Step 1 "Load Material" and Step 2 "Create Cutting Data" preparation have been completed.

Procedure

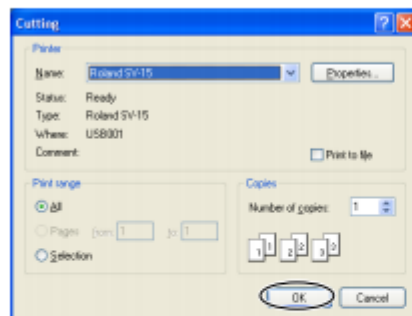**❶** **Press the power button and turn the machine on.**

The power light flashes. The cutting carriage moves to the left edge of the machine. Once the light changes to a steady illumination, the machine is ready to cut.

❷ **Click [Cutting].**

❸ **Click [OK].**

The cutting data is sent from the computer and cutting starts.

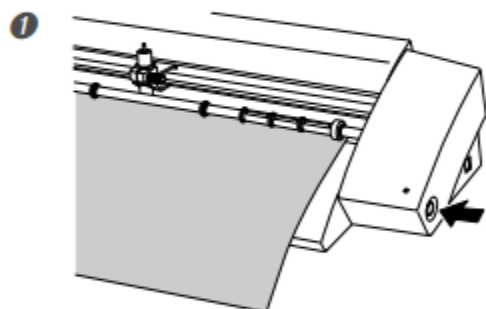**Cutting of the "SALE" text and the box ends.**

❹ Press the power button and turn power off.
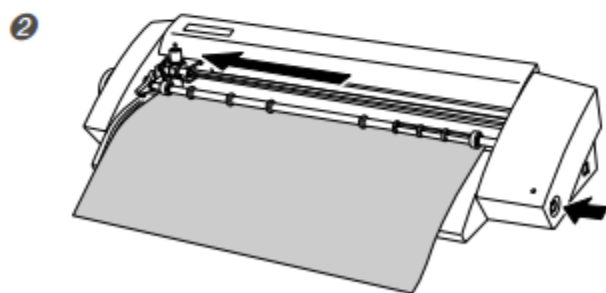Verify that the power light extinguishes.

❺ **Turn the sheet feed knob and remove the material.**

To Stop Cutting While in Progress

❶ **Press the power button and turn the machine off.**

❷ **Press the power button again and turn the machine on.**
The cutting carriage returns to the left edge.

If you need to cut the material again, first remove and then reload it.

Step 4: Apply the Cut Material

Use application tape to affix the cut material. Cut the application tape to the required size for use.
Before applying, thoroughly clean the surface where you want to affix the material to remove any dust or grease.
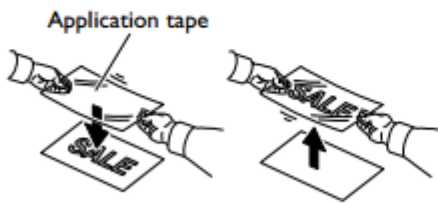
Procedure

❶

Remove the excess tape so that only text remains.
Use a commercially-available tweezers to remove small pieces of tape better.

❷

Application tape

Cut the application tape to the required size. Cover the cut material flush with the application tape to prevent any air from getting underneath, then transfer the material.
You can transfer the material easily by using a commercially available squeegee or the flat part of a ruler or the like to rub the cut material from above the application tape.

❸

Affix the material together with the joined application tape to the target object, then press down on it from above.

❹

Make sure the material is affixed to the object, then slowly peel off the application tape.
If air becomes trapped between the material and the application surface, forming an air bubble, then use a needle to pop the bubble and press out the air to form a complete seal.

❺

This completes the procedure for attaching the material.

Material After Cutting

Transfer the cut material to the application tape and affix it to the object as soon as possible. Any dust that builds up on the surface of the material can make it difficult for the application tape to stick.