

EN Vinyl Auto Blade Kit

About This Kit

This kit includes a vinyl auto blade holder (with a blade installed), ideal for cutting detailed patterns. The kit also adds two functions (Weeding Box function and Tiling function) to CanvasWorkspace. This makes it possible to create projects using adhesive craft vinyl and iron-on transfer material as well as large projects that exceed the size of the mat. These functions are available only with the Brother ScanNCut DX cutting machine.

Important Safety Instructions

WARNING

CHOKING HAZARD.

- * This product contains small parts (specifically, the cap of the holder), and is not intended for use by children of any age. Keep product out of the reach of children.
- Please remove protective cap from blade holder before placing it into the machine carriage.
- Do not press the tip of the holder with your hand or fingers because the tip of the blade will extend and may result in injuries.

Precautions

- Before use, be sure to read "Useful Information" on page 13.
- For detailed instructions on using the cutting machine, refer to the Operation Manual supplied with it.
- The contents of this document are subject to change without notice.
- The screens shown in this manual may differ from the actual ones.

Preparations

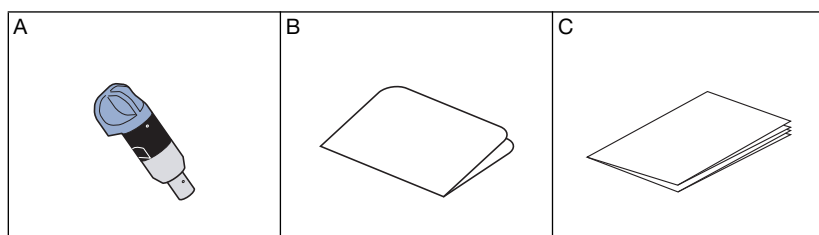
Make the following preparations before using this kit.

1. Set up the cutting machine's wireless network settings and machine registration settings.
2. Update the software of the cutting machine to the latest version
3. Update the dedicated application CanvasWorkspace to the latest version (ver. 2.4.0 or later)
If you do not have the application, it can be downloaded from the Brother support website (<https://s.brother/cuoad/>).

Accessories

After purchasing this kit, check the contents.

The included accessories differ depending on the kit that you have purchased.



Part name	
A	Vinyl Auto Blade Holder (with blade ^{*1} installed)
B	Activation card for Tiling function, Weeding box function and 21 patterns
C	Pattern List

^{*1} This accessory is a consumable. When replacing the blade, purchase Vinyl Auto Blade (CADXBLDV1). To purchase parts, contact the retailer where this kit was purchased.

Activating the Function in CanvasWorkspace

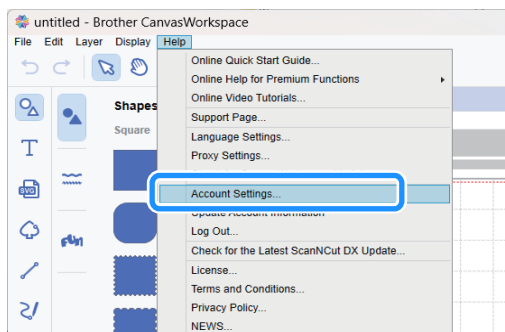
Activate the Weeding Box function and Tiling function in CanvasWorkspace. After activation, 21 patterns are added to the object panel.

■ Preparation

- In order to use CanvasWorkspace, a free account is required. If you do not have a free account, click [Sign up] in the screen that appears after installation, and then follow the on-screen instructions to create an account. The created account can be used with Artspira App as well.
- If you have already created an account during the machine registration settings, use the same account to login.
- If CanvasWorkspace is already installed on your computer and you want to update it to the latest version, select [Check for CanvasWorkspace Update...] from CanvasWorkspace's [Help] menu, and then update it according to the on-screen instructions.

1 Start up CanvasWorkspace.

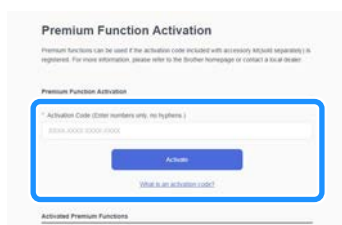
2 In CanvasWorkspace, select [Account Settings...] from the [Help] menu.



3 Click  [Premium Function Activation].

4 Type in the activation code on the included activation card for the Tiling function, Weeding Box function and 21 patterns, and then click [Activate].

- A connection to the Internet is required for activation.
- The uppercase letters "O" and "I" are not used in the activation code.
- The activation code is valid for only one account ID. The same activation code cannot be used again.



5 When the activation confirmation message appears, check the information, and then click [Activate] if it is correct.



6 Click [OK] to complete the activation.

7 After activation is finished, a pattern category for the vinyl auto blade () is added to the object panel, allowing you to select from 21 patterns designed to be cut with the included vinyl auto blade holder.

About the Weeding Box Function

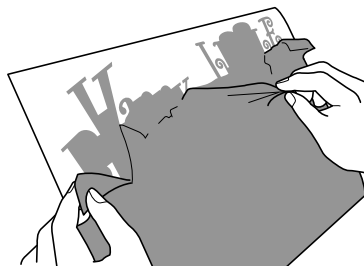
Weeding is the process of removing the unnecessary parts around a cut pattern to leave the desired parts on the backing paper or backing film.

By using the Weeding Box function, a box around patterns (weeding box) or line between patterns (weeding line) can be cut, making it easier to peel off unnecessary parts.



The following shows the difference between weeding with and without a weeding box or weeding lines.

- Without a weeding box
When peeling off large unnecessary parts, they stick to each other or to the desired parts, making weeding difficult.



- With a weeding box
Cutting a weeding box breaks up unnecessary parts into smaller parts, making weeding easier.



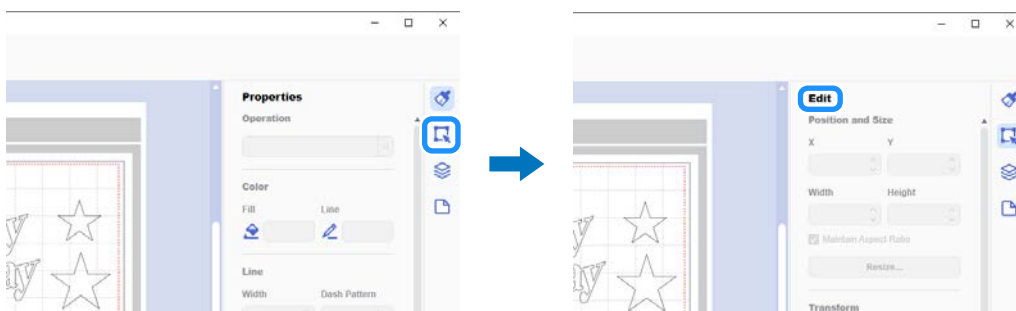
Memo

- The Weeding Box function in CanvasWorkspace cannot be used with Disney patterns. To add a weeding box, use the Weeding Box function on the machine. For details, refer to "Notification about the updated operational features of version 1.5" for the cutting machine which can be downloaded from <https://s.brother/cm0ae/>
- A weeding box has already been added to some of the patterns that were added after the function was activated. For details on the relevant patterns, refer to the included pattern list.

Adding Weeding Lines and Weeding Boxes

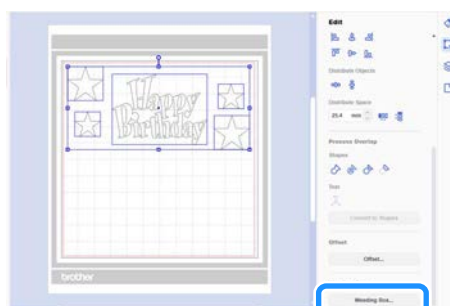
1 After editing the pattern, click  (Edit) on the right side of the screen.

- The [Edit] Panel appears in the Control Panel.



2 Select the pattern, and then click [Weeding Box...].

- The [Create Weeding Box] dialog box appears.



3 From the [Style of the Weeding Box] drop-down list, select how to specify the weeding box and weeding lines.

■ [Optimize the Weeding Lines]

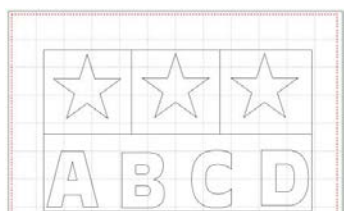


Memo

- If no weeding lines are to be added between multiple patterns grouped to form a single pattern, select the “No Weeding Lines in Grouped Objects” check box.

Example) With grouped pattern “ABCD”

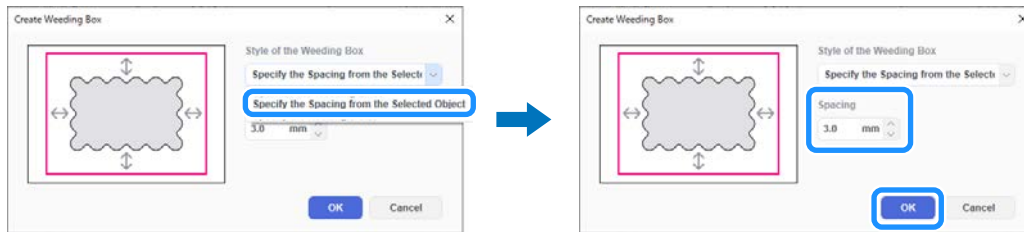
☒ No Weeding Lines in Grouped Objects



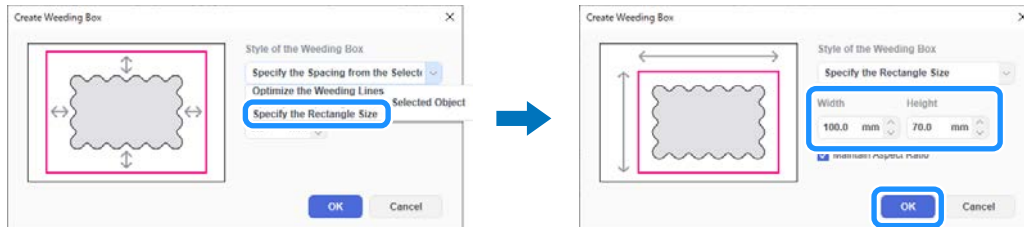
☐ No Weeding Lines in Grouped Objects



■ [Specify the Spacing from the Selected Object]

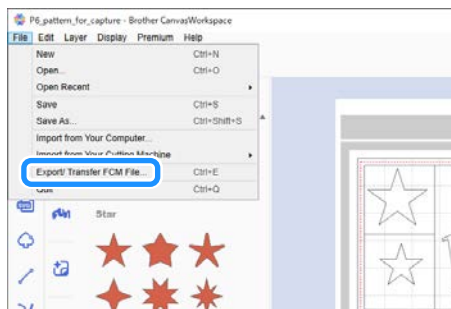


■ [Specify the Rectangle Size]

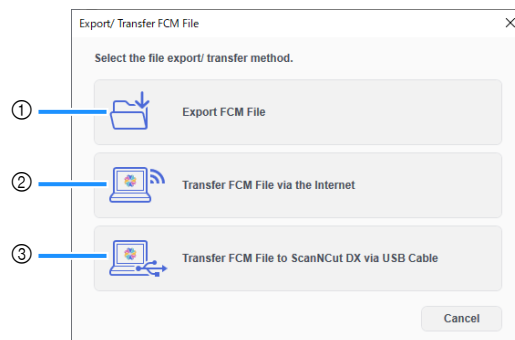


► After specifying the settings, click [OK].

4 Click [Export/Transfer FCM File] on the [File] menu.



5 Use the desired method from the screen that appeared to transfer the cutting data to the cutting machine. For details on the transfer methods, refer to the Brother support website (<https://s.brother/cfrab/>).



① Transferring using a USB flash drive

Save the FCM file to a USB flash drive, and then transfer the file to the cutting machine.

② Transferring via a wireless network connection

Specify the wireless network settings on the cutting machine, and then transfer the FCM file.

③ Transferring using a USB cable (compatible only with 64-bit version of Windows)

Connect the USB cable to the cutting machine and computer, and then directly transfer the FCM file.

Memo

- Weeding boxes and weeding lines cannot be edited after the data has been transferred to the cutting machine.

About the Tiling Function

The Tiling function automatically splits cutting data larger than the mat size to fit within the specified size so that it can be transferred to the machine. This function allows you to create larger projects by joining together the cutouts from the tiled data.

Memo

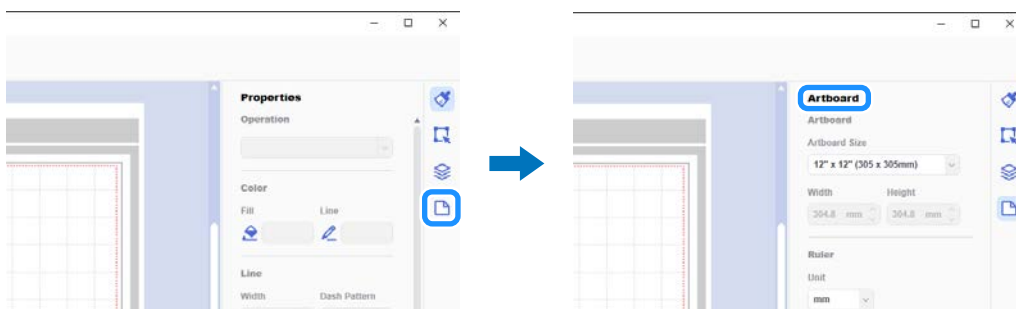
- Data created using the Tiling function can be transferred to the machine only by using a USB flash drive.
- The Tiling function cannot be used with Disney patterns, patterns containing rhinestone data or paper piercing data as well as data containing registration marks.

Tiling Large Cutting Data

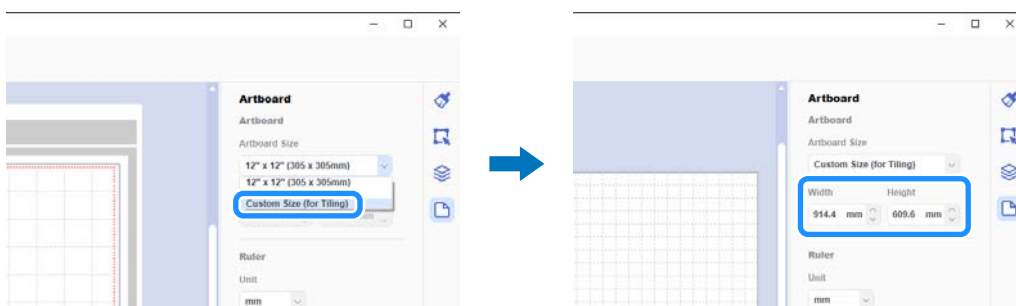
In this example, a built-in logo and border pattern will be enlarged, then split into six 12-inch sections.

1 Click (Artboard) on the right side of the screen.

- The [Artboard] Panel appears in the Control Panel.



2 Select [Custom Size (For Tiling)] under [Artboard Size], and then type in the desired size of your project.

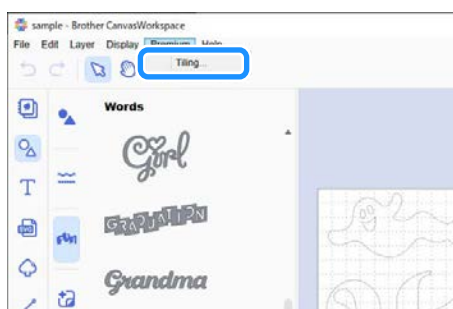


Memo

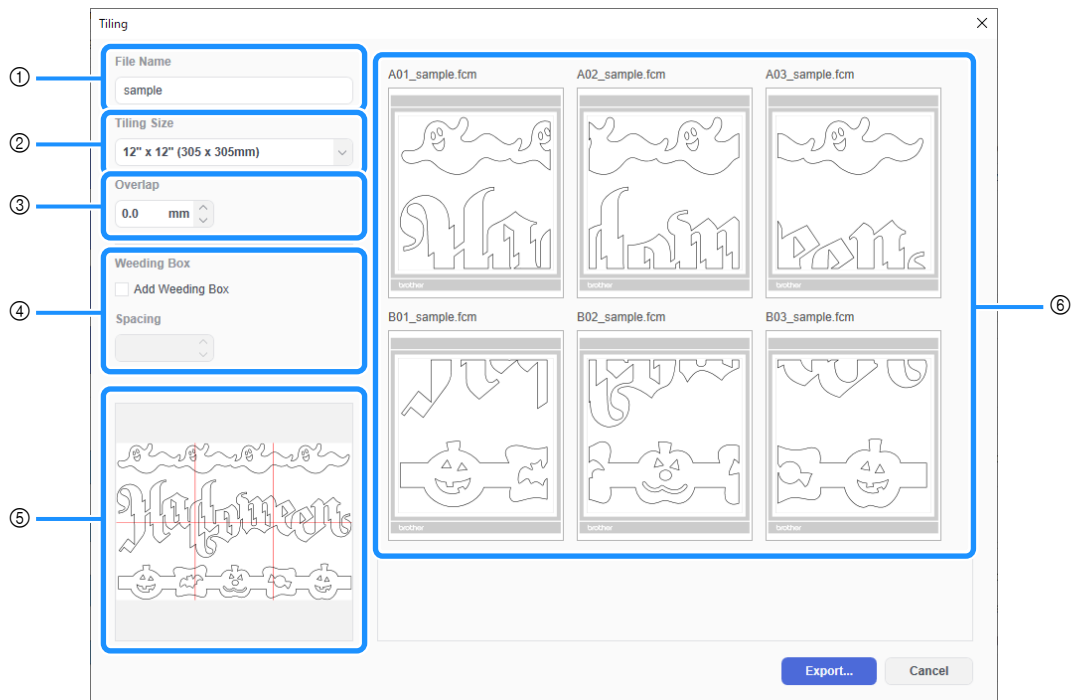
- The values that can be specified for the custom size are 304.9 mm (12") to 1498.6 mm (59") for the width and 304.9 mm (12") to 1778 mm (70") for the height.

3 After placing your favorite pattern in the drawing area, select [Tiling...] from the [Premium] menu.

- The tiling settings dialog box appears.



4 Specify the tiling settings.



① **[File Name]:**

Type in the name of the FCM file to be tiled.

② **[Tiling Size]:**

Select the tile (material) size.

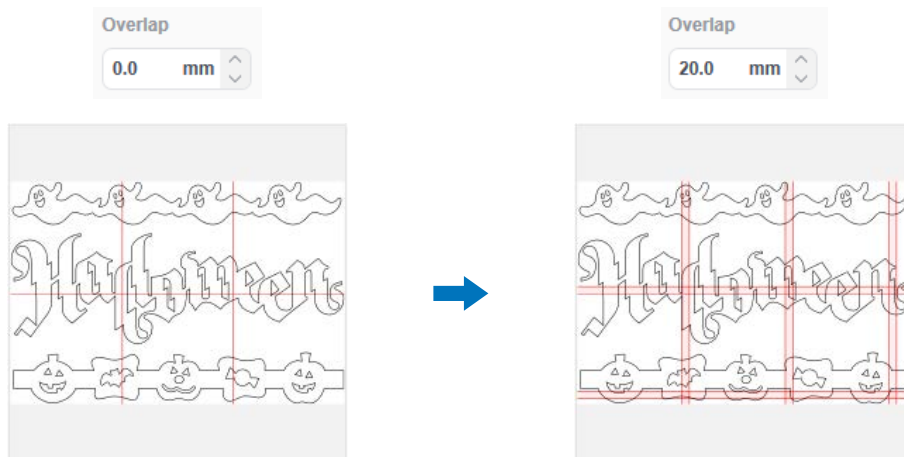
If the roll feeder will be used, select [Rolled Material] (Available only when Roll Feeder is activated.).

If large data is split into many small tiles, the overall appearance may be compromised depending on the finished size or pattern. Therefore, it is recommended to specify a larger tile size.

③ **[Overlap]:**

Specify the overlap width for the tiles between 0.0 mm and 20.0 mm (0.0" and 0.79").

Gaps can easily form when joining together a tiled pattern with no overlap. Therefore, it is helpful to use the specified overlap width as a margin or as a guide for joining the cutouts. Changing the setting changes the red lines in the tiled image preview box (⑤). Increasing the setting increases the number of tiles and changes the tiling.



④ **[Weeding Box]:**

To add weeding boxes to a tiled pattern, select the [Add Weeding Box] check box. To change the width of the spacing between the weeding box and pattern, specify a [Spacing] setting between 0.0 mm and 20.0 mm (0.0" and 0.79"). Increasing the spacing between the weeding box and pattern increases the number of tiles and changes the tiling.

⑤ **Tiled image preview box:**

The tiling of the original pattern is indicated by red lines.

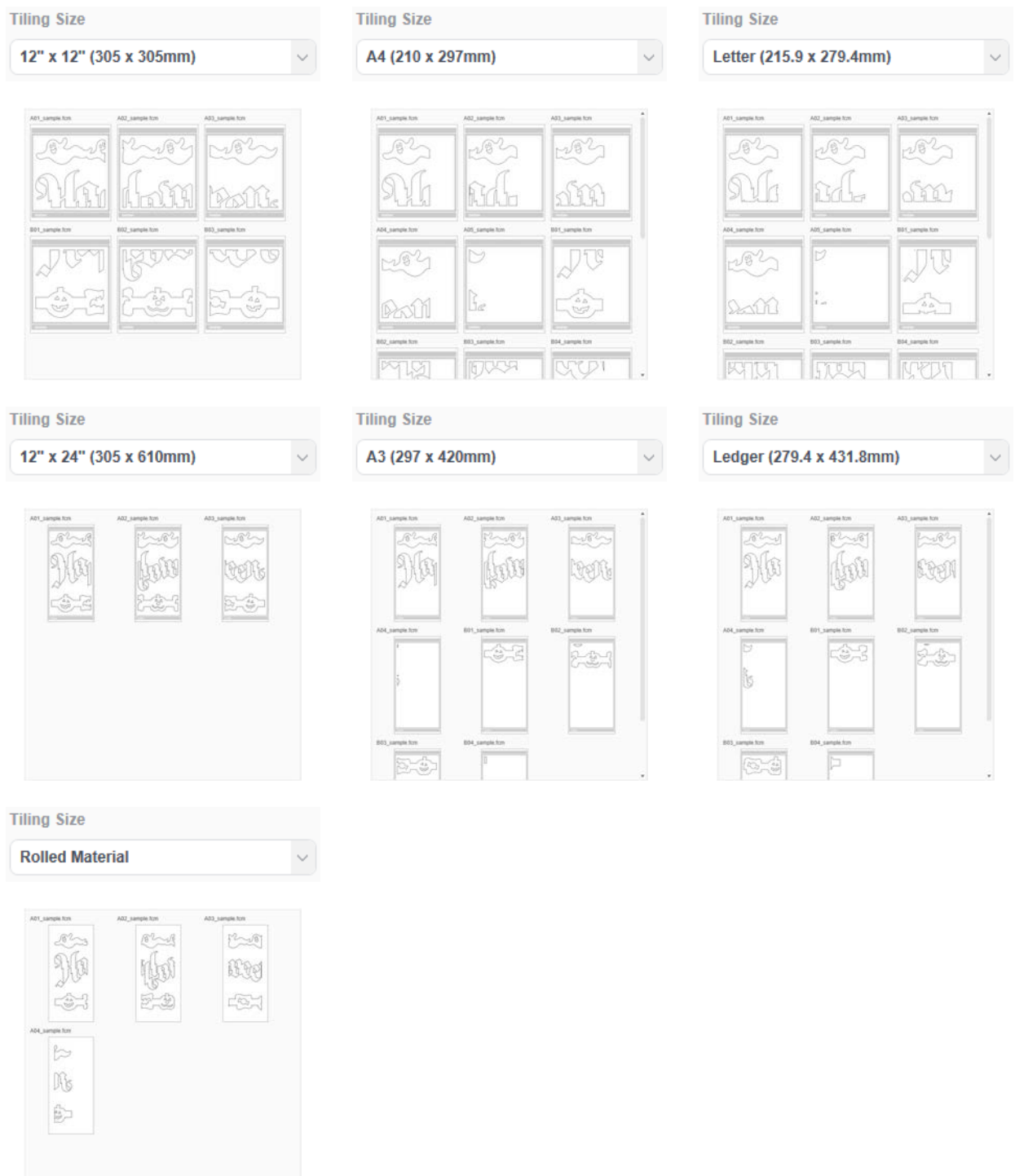
⑥ **Tiling preview screen:**

The tiled pattern appears as three columns according to the specified [Tiling Size] setting.

The tiles are assigned file names comprised of A, B, C... (top to bottom in the tiling order) and 01, 02, 03... (left to right in the tiling order) followed by the name entered in the [File Name] box (①).

The data is arranged in mats of a size appropriate for the specified [Tiling Size] setting (②).

Arrangement examples:



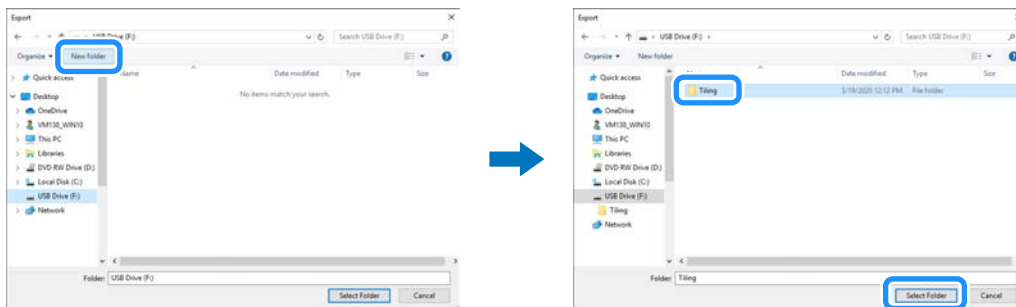
Memo

- Patterns will not be tiled correctly if weeding lines or weeding boxes have been added by clicking [Weeding Box...] in the [Edit] panel. To add weeding boxes to a tiled pattern, be sure to select the [Weeding Box] check box in the [Tiling] dialog box.
- To tile a pattern that has already had weeding lines added, delete the weeding lines in the [Layers] panel, and then select the setting for weeding boxes in the [Tiling] dialog box.

⑤ **After specifying the tiling settings, click [Export...].**

- The screen for selecting the destination folder appears.

6 Create a new folder in the USB flash drive, and then select the folder to save the tiled data.



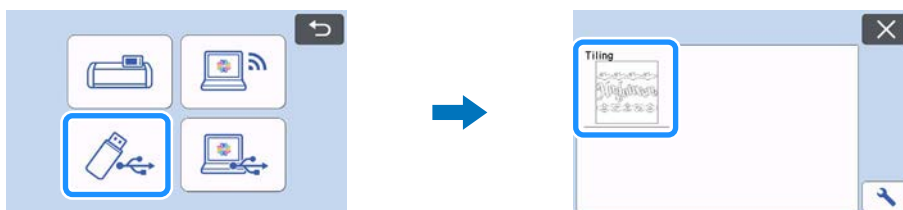
Memo

- When saving tiled data, be sure to create a folder on a USB flash drive, and then save the data in the folder. Do not delete data created in the folder or change the name of a file.
- If the folder already contains a file with the same name, the data in the folder will be automatically overwritten.

7 Insert the USB flash drive into the USB port (for a USB flash drive) on the cutting machine.

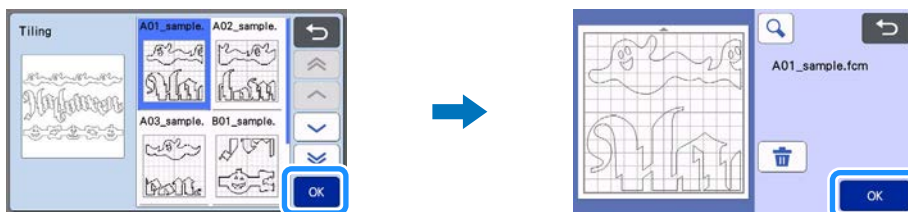
8 In the screen for selecting the location where the data has been saved, touch the key for retrieving from a USB flash drive.

- ▶ The name of the folder created on the USB flash drive in step 6 and a preview of the pattern appear.
- To retrieve a roll feeder pattern, retrieve the pattern from the "Roll Feeder" screen.



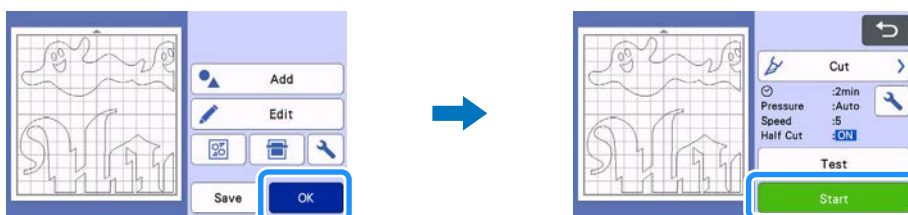
9 Select the first pattern of the tiled data to be cut, and then touch the "OK" key.

- ▶ After confirming the selected pattern, touch the "OK" key.



10 If necessary, edit the pattern and touch the "OK" key, and then start cutting.

- ▶ When cutting is finished for the first pattern of the tiled data, press the home button, and then repeat the procedure from step 8 to retrieve and cut out the remaining patterns.



Memo

- Before cutting material with backing paper or backing film, such as adhesive craft vinyl or iron-on transfer material, make sure that the pattern is flipped to create a mirror image and "Half Cut" in the settings screen has been set to "ON".

11 After all patterns have been cut out, join the cutouts in the order of their file names.

Troubleshooting

If this product stops operating correctly, check the following possible problems as well as the Brother support website (<https://s.brother/cpoac/>) before requesting service. If the problem persists, contact Brother Customer Service or a Brother authorized service center.

Cutting machine

Symptom	Possible cause (or result)	Solution
Not all of the tiled data is displayed in the machine's screen when being retrieved.	The data was saved directly to the USB flash drive.	When saving tiled data to a USB flash drive, be sure to create a folder and save the data in the folder. (page 10)
The data for multiple tiled patterns are mixed together in one folder.	The wrong destination folder for the tiled data was selected.	When saving tiled data to a USB flash drive, create a folder for each project and save the data in the appropriate folder. (page 10)
The "Start" key is not available.	The machine's software has not been updated to the latest version; therefore, the vinyl auto blade holder cannot be recognized.	Update the software of the machine to the latest version. For details on updating the machine, refer to the Operation Manual supplied with it.
The material is cut through to the backing.	- "Half Cut" is set to "OFF". - The cutting pressure ("Cut Pressure (Half Cut)") is incorrect.	- Set "Half Cut" in the settings screen to "ON". - Adjust the setting for "Cut Pressure (Half Cut)" in the settings screen. For details on specifying the settings, refer to the Operation Manual supplied with the machine.

CanvasWorkspace

Symptom	Possible cause (or result)	Solution
Some parts of a pattern that has been tiled do not appear in the tiling preview.	Data containing an open paths or self-crossing paths cannot be tiled and are automatically deleted.	Make sure that all paths are closed when creating a pattern to be tiled.

Error Messages

The following table lists some of the messages that may appear while the machine is operating as well as their corresponding solutions. Perform the necessary operation according to the instructions in the message or the solution described here. If the problem persists, contact Brother Customer Service or a Brother authorized service center.

Cutting Machine Error Messages

Error Messages	Cause/Solution
This holder cannot be used.	This message appears when the vinyl auto blade holder cannot be recognized because the machine's software has not been updated to the latest version. Update the software of the machine to the latest version. For details on updating the machine, refer to the Operation Manual supplied with it.

CanvasWorkspace Error Messages

Error Messages	Cause/Solution
The pattern is too large. Reduce the pattern size. (E10010)	This message appears when the pattern to be tiled exceeds the maximum size (1498.6 mm (59") for the width or 1778 mm (70") for the height). Reduce the size of the pattern, and then use the Tiling function again.
The pattern is too large. Reduce the Overlap and the spacing of the Weeding box.(E10103)	This message appears when the spacing between the overlap and weeding box increases the size of the pattern, exceeding the maximum allowable size. Perform one of the following. - Reduce the setting for the overlap width. (page 8) - Reduce the setting for the weeding box spacing. (page 8) - If the overlap width and weeding box spacing cannot be changed, reduce the size of the pattern.

Examples of Materials That Can Be Used

Adhesive craft vinyl

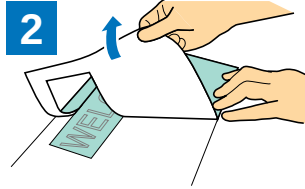
This adhesive-backed sheet material is used to decorate signboards, window glass, walls or vehicles. The material consists of two layers: an adhesive-backed sheet and backing (paper or film). After using the cutting machine to cut out your pattern, such as text or a logo, from only the adhesive-backed layer, attach the pattern directly onto the wall, vehicle or other surface.

* Test a small area on the surface before adhering the adhesive craft vinyl to avoid damage.

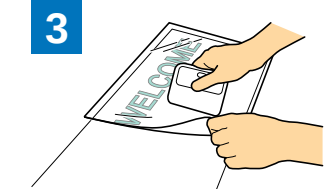
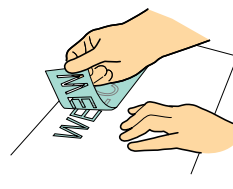
Applying the Adhesive Craft Vinyl to the Surface



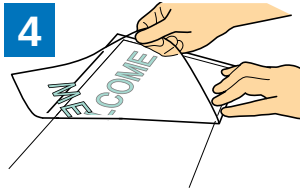
Half-cut the desired pattern with the cutting machine.



Peel off any excess, leaving only the pattern on the backing. (Weeding)



Attach the application sheet ^{*1} to the area of the backing where the pattern remains. (^{*2})



Transfer the cut-out patterns to the application sheet so that they remain correctly arranged.



After wiping the target surface clean, attach the adhesive craft vinyl cutouts with the application sheet. (^{*2})



Finally, peel off only the application sheet.

^{*1} The application sheet (also called a transfer paper or retack sheet) is a low-tack sheet used for attaching the adhesive craft vinyl to the target surface. Use this sheet together with adhesive craft vinyl.

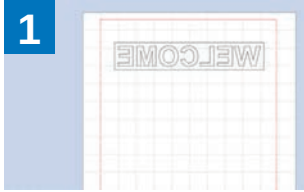
^{*2} Use the scraper (CASCP1) or brayer (CABRY1) for attaching the application sheet and for transferring the adhesive craft vinyl cutouts to the target surface. To purchase a scraper (CASCP1) or brayer (CABRY1), contact the retailer where this product was purchased.

Iron-On Transfer Material

Iron-on transfer material is used for heat transferring patterns onto fabric such as T-shirts and sweatshirts. The material consists of two layers: a thermo-softening adhesive sheet and carrier sheet (paper or film). After using the cutting machine to cut out your pattern, such as text or a logo, from only the thermo-softening adhesive sheet, attach the pattern to the target surface by pressing down on the backing with a heat press or iron.

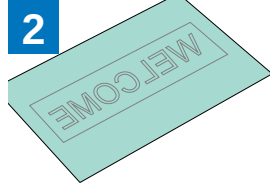
* Please refer to the manufacturer's instructions included with the iron-on transfer material.

Applying the Iron-On Transfer Material to the Surface

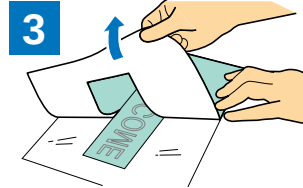


Create your pattern in CanvasWorkspace.

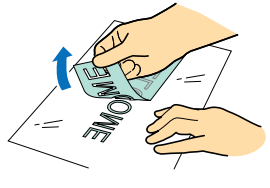
Make sure that the pattern is flipped to create a mirror image.



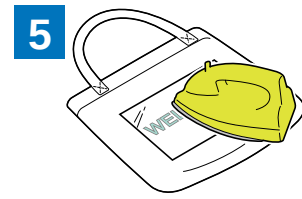
Half-cut the desired pattern with the cutting machine. (*1)



Peel off any excess, leaving only the pattern on the backing. (Weeding)



With the backing facing up, place the sheet cut in step ③ onto the target surface such as fabric (*2).



Transfer the pattern with a heat press or iron. (*3)



Peel off only the backing.

*1 When loading a roll of iron-on transfer sheet material into a cutting machine installed with the roll feeder, make sure that the material is correctly oriented. For details, refer to the Instruction manual for Roll Feeder.

*2 First check that an iron-on transfer can be applied to the target surface.

*3 The heat transfer conditions (temperature, pressing time, etc.) differ depending on the material being used. Use the material according to the manual included with it.

About Vinyl Auto Blade Patterns

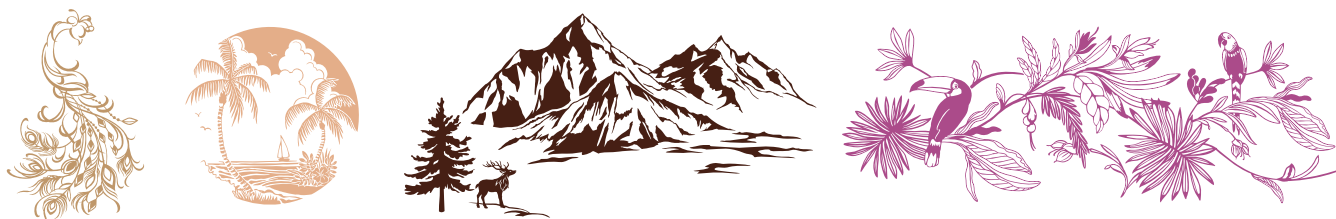
After the kit has been activated, 21 new patterns are added to CanvasWorkspace (Windows/Mac). Some of the added patterns have been designed to make use of the new features. Read about the following features for reference when creating your project.

■ Patterns with a weeding box

The following patterns already have a weeding box added so that unnecessary parts can easily be peeled off after being cut.

In order to use the Tiling function, delete weeding boxes in the [Layers] panel before tiling.

To add weeding boxes to a tiled pattern, be sure to select the [Add Weeding Box] check box in the [Tiling] dialog box.



■ Patterns for stenciling

The following patterns are designed for using adhesive craft vinyl in stencil applications.

Removing the white parts after cutting the material allows the pattern to be used as a stencil.

