

Label Printing Software FA-3000 Version 1.00

For Windows User's Guide

What you can do with the
FA-3000 Application



Using the FA-3000
Application



Troubleshooting



Be sure to keep all user documentation handy for future reference.

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- Refer to the Printer user documentation for information about how to install this software and the required operating environment.
- The FA-3000 Application is software that runs on Windows 8, Windows 7, Windows Vista, and Windows XP SP3.
- Certain equipment configurations may not support proper operation.

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FA-3000 Application Overview and Preparation

Using This Manual

What you should read first

First, carefully read the section titled “Overview and Preparation” (pages 4 through 6) for a general overview of the product and information about the required operating environment.

When printing a label refer to “Using the FA-3000 Application” (page 8).

About this manual

■ This manual does not explain how to perform Windows operations.

This manual is the FA-3000 Application User’s Guide for Windows. This software can run under Windows 8, Windows 7, Windows Vista, and Windows XP SP3 (hereinafter referred to as “Windows”). This manual does not explain how to use Windows itself.

This manual was written for users who are at least familiar with the basic Windows operations below.

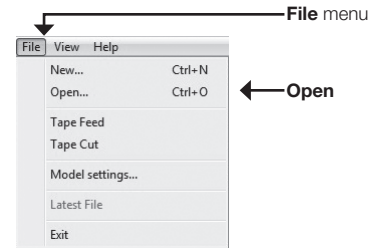
- **Mouse operations:** Click, double-click right-click, drag, drag and drop, etc.
- **Menu operations with the mouse**
- **Text input with the keyboard**
- **Standard Windows operations**

Refer to the user documentation that came with your computer or Windows package for details about standard Windows operations.

■ On-screen button operations

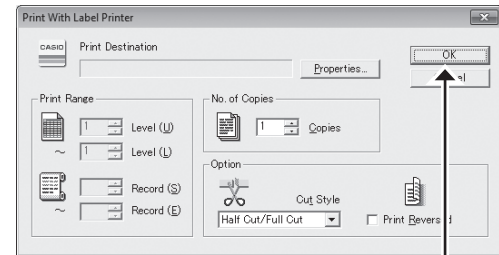
All of the operations in this manual are shown as being performed with your computer’s mouse

- Command operations are represented as described below.



On the **File** menu, click **Open**.

- Dialog box buttons are represented as shown below.



OK
Click **OK**.

■ Key Operations

This software supports use of both mouse operations and keyboard key operations. The following keyboard key operations are supported: Ctrl, Shift, Alt. These keys are represented in this manual as **Ctrl**, **Shift**, and **Alt**. They are used in combination with keyboard letter keys to perform operations.

■ Display screens

- Note that the appearances of sample screen shots used in this manual may differ somewhat from the screens that are actually displayed on your computer. However, the essential contents of the two screens should be the same.
- Screen shots shown in this manual are based on the English version of Windows 7, and examples assume that “English” was selected as the display language during installation. Screens produced by other operating systems or when another display language is selected may be different from the screen shots shown here.

Printer Models that Support the FA-3000 Application

The printer models below support printing with the FA-3000 application.

KL-G2, CW-L300

- Actual printing requires installation of a USB driver for your specific printer model.
Visit the site below to download the newest software version and the latest news about this product.
<http://world.casio.com/support/>
- The disk print function of the CW-L300 is not supported.

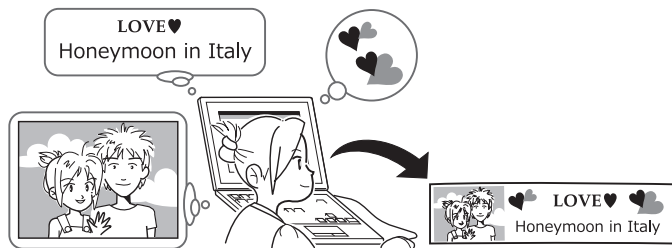
FA-3000 Label Printing Application

The FA-3000 application is software that makes it possible for you to create label contents on a computer. It prints in accordance with the application's settings.

What you can do with the FA-3000 application

The FA-3000 application can be used to create original labels for printing on a CASIO label printer.

The FA-3000 application supports all of the capabilities below.

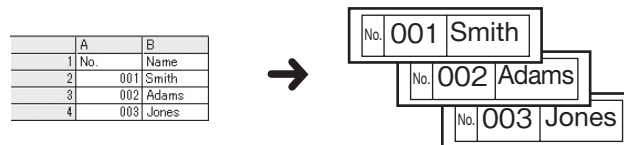


- Creation of innovative label designs



- Saving layouts as files that can be opened when required
- Printing with the built-in fonts (True Type only) of your computer
- Use of graphic images (bmp, jpg, png) from other applications ("Inserting an Image", page 25)
- Simple figure creation ("Inserting a Figure", page 30)
- Screenshot capture for use when creating a label ("Capturing a Computer Screen Image", page 26)
- Background image insertion
- Continuous printing with automatic content replacement ("Using Merge Print", page 37)

- Continuous printing using Microsoft Excel or other data ("Importing Other Software Data into a Merge Database", page 40)



- Printing of approximately 200 illustrations (built-in images) installed with the software
- Bar code printing



- Two-dimensional code printing





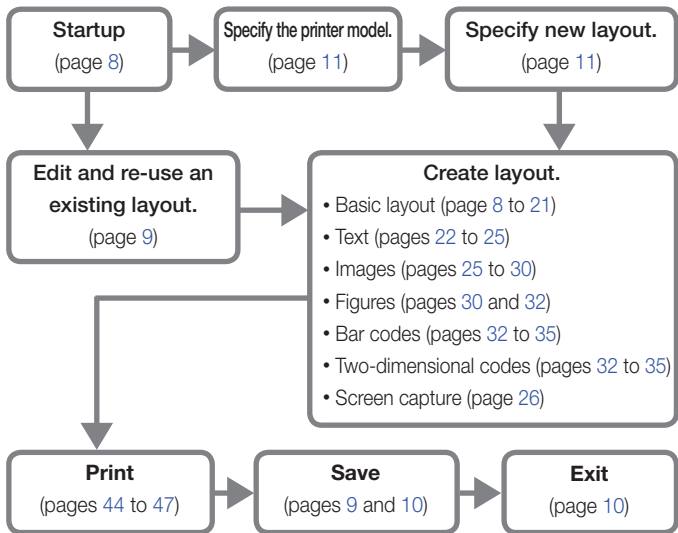
Label Printing Application

FA-3000

FA-3000 Operation Flow

This section provides you information about the general flow of label creation using the FA-3000 application.


You can arrange text, images, figures, bar codes, and two-dimensional codes as desired as part of a tape layout.



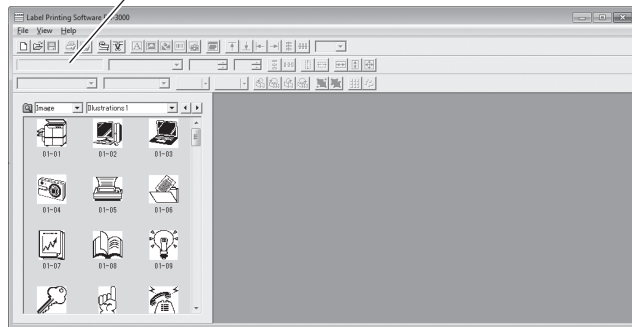
FA-3000 Basic Operations

This section explains the following the FA-3000 application operations: starting up FA-3000, opening an existing layout, saving a new layout, saving changes to an existing layout, closing an open layout, exiting FA-3000.

Starting Up the FA-3000 Application

- 1 Double-click the  icon.
 - You can also start up FA-3000 by performing the steps below.
 - (1) Click the Windows **Start** menu.
 - (2) Click **All Programs**, and then align your mouse pointer with **CASIO, Label Printing Software**, and then **FA-3000**.
 - (3) Click **FA-3000**. (The folder where FA-3000 is located on your computer may be different, depending on what you selected during the installation process.)

Shows printer model name.
No printer model name is shown in the screenshots used in this manual.



Startup screen

- If this is the first time you are using the software, refer to "Layout Creation Flow" (page 10) to find out what to do next.

Opening an Existing Layout


This section explains how to open an existing layout.

- A layout created with the FA-3000 application is saved with the file name extension .lyw.

■ Opening a Layout Created with another Model Printer

When you open a layout created with another model printer, there may be some misalignment of layout contents due to differences in margin lengths and print resolutions.

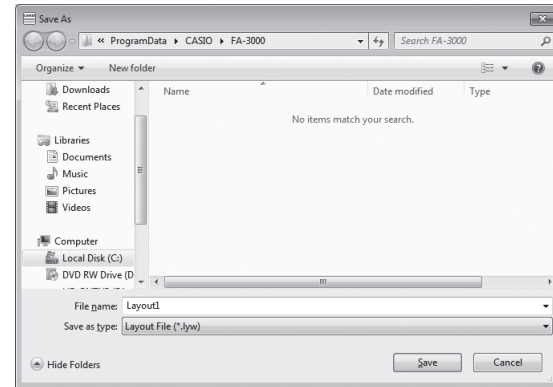
If this happens, you will need to make adjustments in the layout after opening its file.

- 1 Click **Open** on the **File** menu, or click the  icon.
 - This displays a file selection screen.
- 2 Click the name of the file (layout) that you want to open and then click **Open**.
 - This displays the screen of the layout you selected.

Saving a New Layout

Use the procedure below to save a new layout. You can also use these steps to create a copy of an existing layout under a different name.


- 1 On the **File** menu, click **Save as**.



- 2 Input the file name (layout name).
 - The file name extension of a layout file is .lyw.
- 3 After confirming your input, click **Save**.
 - To cancel without saving anything, click **Cancel** instead of **Save**.

Saving Changes to an Existing Layout

Use the procedure below to save changes you have made to an existing layout.

- 1 Click **Save** on the **File** menu, or click the  icon.
 - This saves the layout.

Closing a Layout

- 1 On the **File** menu, click **Close**.
 - This closes a currently displayed layout.
 - A confirmation message will appear if there are unsaved edits to the displayed layout. Specify whether or not you want to save your changes.

Exiting the FA-3000 Application

- 1 On the **File** menu, click **Exit**.
 - This exits the FA-3000 application.
 - A confirmation message will appear if there are unsaved edits to the displayed layout. Specify whether or not you want to save your changes.

Layout Creation Flow

This section provides you information about the general flow of label layout creation using the FA-3000 application.

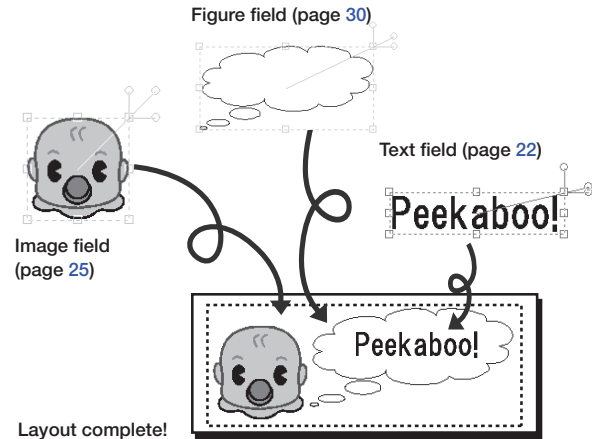
Specifying the Layout Size

The layout shapes and sizes you can specify for a label depends on the model of the printer you are using for printing.

- Specifying the Connected Printer Model (page 11)
- Creating a New Label Layout (page 11)

Creating a Label Layout

You can create a label layout by arranging its various fields.



- You can also use a bar code field (page 32) and a two-dimensional code field (page 32).

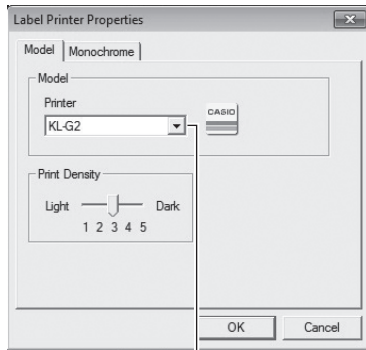
Specifying the Connected Printer Model

Use the procedure below to specify the model of printer that you plan to use to print the label layouts you create with the FA-3000 application.

Important!

The label sizes you can use for label layout depend on the specified printer model. Make sure that the correct printer model is specified before you start creating a label layout.

- 1 On the **File** menu, click **Model setting**.
- 2 Specify the printer model name and printer to be used.
Specifying the KL-G2 Printer



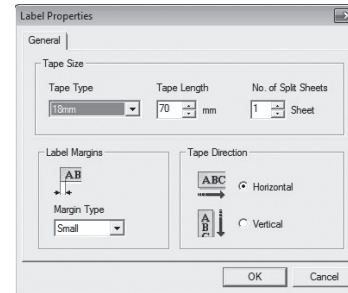
Click the down arrow button to display a list of printer models.

- 3 Click **OK**.

Creating a New Label Layout

Configuring Tape Layout Settings

- 1 On the **File** menu, click **NEW**.



- 2 Use the **Tape Type** box to specify the width of tape for printing.
- 3 Use the **Tape Length** box to specify the label length.
- 4 To create a label layout that is wider than the tape width, use the **No. of Split Sheets** box to specify how many tapes the print image should be split between.
 - For label layout hints, see page 47.

5 Configure the **Label Margins** setting.

- Margins are the amount of blank space preceding and following the printing on a label.
- Depending on the printer model and print settings, you may not be able to specify the margin setting.
- The amount of tape fed for each margin setting depends on the printer model.

| Printer Settings | Large | Medium | Small |
|-------------------------|---|---|--|
| Model | | | |
| KL-G2 | Approximately 19mm ($\frac{3}{4}$ ") | Approximately 10mm ($\frac{3}{8}$ ") | Approximately 3mm ($\frac{1}{8}$ ") |
| CW-L300 | Approximately 21.5mm ($\frac{7}{8}$ ") | Approximately 10mm ($\frac{3}{8}$ ") | Approximately 3mm ($\frac{1}{8}$ ") |

6 Specify the **Tape Direction**.

- **Tape Direction** specifies whether the layout image should be displayed horizontally or vertically. If you are planning to create a vertical label, see the label layout hints on page 47.

7 Click **OK**.

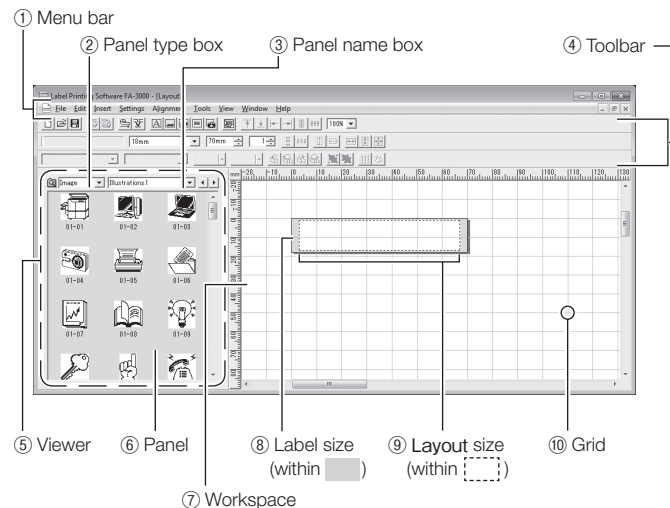
Changing the Settings of an Open Label Layout

You can one of the procedures below to change the settings of a label layout you are editing.

- On the **Settings** menu, click **Tape settings** and then configure each of the settings.
- Change settings using the toolbar (page 18).

Layout Creation Screen

This section explains the contents of the layout creation screen.



① **Menu Bar** (page 13)

② **Panel type box**

Shows the type of fields currently displayed in the panel.

③ **Panel name box**

Shows the category of fields currently displayed in the panel.

④ **Toolbar** (page 16)

⑤ **Viewer**

The viewer consists of the panel type box, the panel name box, and the panel.

⑥ **Panel** (pages [23](#), [25](#), [30](#))

Shows existing fields in the currently selected panel category.

⑦ **Workspace**

Label layout creation area.

⑧ **Label size**

Physical size of the label.

⑨ **Layout size**

Size of the label print area. Layout the fields so they fit within this area.

⑩ **Grid** (page [18](#))

Workspace gridlines that aid in sizing and laying out fields.

Menu Bar

This section explains the menus that appear on the menu bar.

Menus

Perform menu operations using your mouse.

| Menu | Function |
|----------------------|--|
| ■ File menu | |
| New | Creates a new layout. |
| Open | Opens an existing layout. |
| Close | Closes a currently displayed layout. |
| Save | Saves the displayed layout to its existing file. |
| Save as | Displays a screen for specifying a file name to save the displayed layout. |
| Print | Prints a currently displayed layout. |
| Merge Print | Prints a layout while automatically inserting data into it. |
| Tape Feed | Feeds the printer tape. |
| Tape Cut | Cuts the printer tape. |
| Print Preview | Shows a print preview of a currently displayed layout. |
| Merge Preview | Shows a preview of a currently displayed layout, including merged data. |

| Menu | Function |
|--------------------------|--|
| Model setting | Specifies the printer model and other information. |
| 1 XXXX.lyw | Re-opens the previously open layout. |
| Exit | Exits the FA-3000 software. |
| ■ Edit Menu | |
| Undo | Undoes the last operation. |
| Redo | Redoes the last undone operation. |
| Cut | Cuts the currently selected range of fields. |
| Copy | Copies the currently selected range of fields. |
| Paste | Pastes fields that have been cut or copied. |
| Delete | Deletes the currently selected range of fields. |
| Duplicate | Duplicates the currently selected range of fields. |
| Select All Fields | Selects all of the fields in a layout. |
| ■ Insert Menu | |
| Insert Text | Inserts text. |
| Insert Image | Inserts an image. |
| Insert Figure | Inserts a figure. |

| Menu | Function |
|---------------------------|--|
| Insert Barcode | Inserts a bar code or two-dimensional code (QR code, etc.) |
| Capture Image | Captures an image of your computer screen. |
| ■ Settings Menu | |
| Text settings | Configures text properties. |
| Image settings | Configures image properties. |
| Figure settings | Configures figure properties. |
| Barcode settings | Configures bar code and two-dimensional code (QR code, etc.) settings. |
| Capture settings | Configures screen capture properties. |
| Tape settings | Configures tape properties. |
| Workspace settings | Configures workspace properties. |
| ■ Alignment Menu | |
| Align | Displays the six sub-menu items described below. |
| -Top | Aligns the selected field with the top edge of the layout print area. |
| -Bottom | Aligns the selected field with the bottom edge of the layout print area. |
| -Left | Aligns the selected field with the left edge of the layout print area. |
| -Right | Aligns the selected field with the right edge of the layout print area. |

| Menu | Function |
|---------------------------|--|
| -Vertical | Aligns the selected field with a vertical line in the center of the layout print area. |
| -Horizontal | Aligns the selected field with a horizontal line in the center of the layout print area. |
| Justify | Displays the two sub-menu items described below. |
| -Vertical | Aligns the selected fields so they are evenly spaced vertically. |
| -Horizontal | Aligns the selected fields so they are evenly spaced horizontally. |
| Center Field | Displays the two sub-menu items described below. |
| -Vertical | Vertically centers the selected field. |
| -Horizontal | Horizontally centers the selected field. |
| Align Field Size | Displays the three sub-menu items described below. |
| -Width | Makes the selected fields the same width. |
| -Height | Makes the selected fields the same height. |
| -Width and Height | Makes the selected fields the same width and height. |
| Move to Front | Moves the selected field one step towards the front. |
| Move to Foreground | Makes the selected field the frontmost field. |
| Move to Back | Moves the selected field one step towards the back. |
| Move to Background | Makes the selected field the backmost field. |

| Menu | Function |
|---------------------------|---|
| Group | Creates a group of the selected fields. |
| Ungroup | Ungroups the selected field group. |
| Tile | Arranges the selected fields so they tiled as the background of the layout. |
| Untile | Untiles fields. |
| ■ Tools Menu | |
| Database for Merge | Creates the database to be used for merge printing. |
| ■ View Menu | |
| Tool bar | Toggles the toolbar between show and hide. |
| Viewer | Toggles the viewer between show and hide. |
| Zoom | Displays the five sub-menu items described below. |
| -400% | Zooms the workspace by 400%. |
| -200% | Zooms the workspace by 200%. |
| -100% | Shows the workspace at original size. |
| -75% | Zooms the workspace by 75%. |
| -50% | Zooms the workspace by 50%. |

| Menu | Function |
|--------------------------|--|
| ■ Window Menu | |
| Cascade | Displays the windows of multiple layouts in a cascade view. |
| Show Vertically | Displays the windows of multiple layouts stacked vertically. |
| Show Horizontally | Displays the windows of multiple layouts aligned horizontally. |
| Arrange Icons | Arranges the iconized windows along the bottom of the screen. |
| Close All | Closes all currently open windows. |
| 1 XXXX.lyw | Selects a currently open layout window and makes it active. |
| ■ Help Menu | |
| CASIO home page | Displays the CASIO website. |
| Version info | Displays version information. |

Layout Screen Bars and Grids











This section explains about the toolbar and grid that appears on the layout screen.










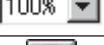







Toolbar









- You can toggle the display status of the toolbar between show and hide by clicking **Tool bar** on the **View** menu.

■ Toolbar

Clicking a toolbar icon will display a dialog box or perform some operation.

| Tool Icons | Function |
|--|--|
|  | Creates a new layout. |
|  | Opens an existing layout. |
|  | Saves a currently displayed layout. |
|  | Prints a currently displayed layout. |
|  | Shows a print preview of a currently displayed layout. |
|  | Feeds the printer tape. |
|  | Cuts the printer tape. |
|  | Inserts a text field. |
|  | Inserts an image field. |
|  | Inserts a figure field. |

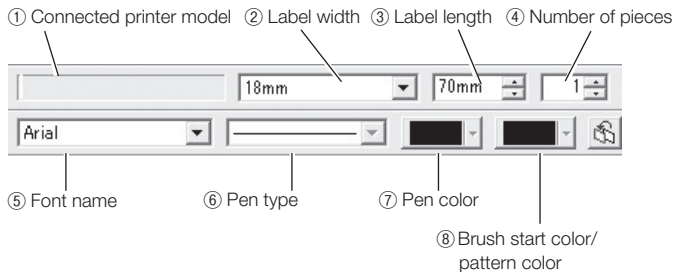
| Tool Icons | Function |
|--|--|
|  | Inserts a bar code or two-dimensional code. |
|  | Captures a screen shot of your computer screen and inserts it as a figure. |
|  | Configures label layout properties. |
|  | Aligns the selected field with the top edge of the layout print area. |
|  | Aligns the selected field with the bottom edge of the layout print area. |
|  | Aligns the selected field with the left edge of the layout print area. |
|  | Aligns the selected field with the right edge of the layout print area. |
|  | Aligns the selected field with a vertical line in the center of the layout print area. |
|  | Aligns the selected field with a horizontal line in the center of the layout print area. |
|  | Specifies the display zoom factor. |
|  | Aligns the selected fields so they are evenly spaced vertically. |
|  | Aligns the selected fields so they are evenly spaced horizontally. |
|  | Vertically centers the selected field. |
|  | Horizontally centers the selected field. |
|  | Makes the selected fields the same width. |
|  | Makes the selected fields the same height. |
|  | Makes the selected fields the same width and height. |

| Tool Icons | Function |
|---|---|
|  | Moves the selected field one step towards the front. |
|  | Makes the selected field the frontmost field. |
|  | Makes the selected field one step towards the back. |
|  | Makes the selected field the backmost field. |
|  | Creates a group of the selected fields. |
|  | Ungroups the selected field group. |
|  | Arranges the selected fields so they tiled as the background of the layout. |
|  | Untiles tiled fields. |

■ Toolbar (Setting Items)

You can click a setting item and change its setting as required.

- For information about how to change the connected printer model setting, see "Specifying the Connected Printer Model" (page 11).
- Depending on the tape layout, you may not be able change certain settings.

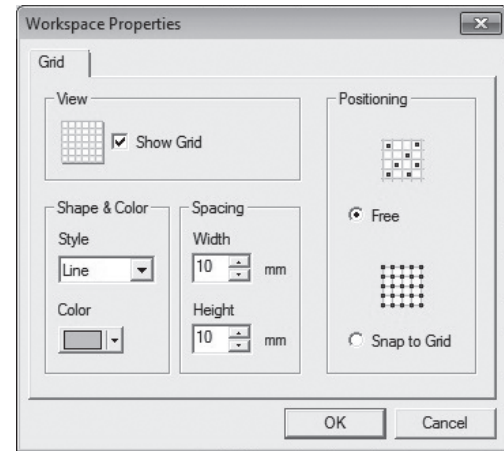


- | | |
|--|--|
| ① Connected printer model | Shows the printer model name specified with the procedure under "Specifying the Connected Printer Model" (page 11). <ul style="list-style-type: none">• No printer model name is shown in the screenshots used in this manual. |
| ② Label width | Specifies the width of the label. |
| ③ Label length | Specifies the length of the label. |
| ④ Number of pieces | Specifies the number of pieces of tape to be combined to create the final label using the layout. |
| ⑤ Font name | Specifies the font for a text field. |
| ⑥ Pen type | Specifies the pen type for figure drawing. |
| ⑦ Pen color | Specifies the figure and line color. |
| ⑧ Brush start color/pattern color | Specifies the start color for figure gradation. Also sets the pattern color when a figure pattern is specified. |

Using the Workspace Grid

Use the procedure below to toggle display of the workspace grid between show and hide.

- 1 On the **Settings** menu, click **Workspace settings**.



- 2 Configure the setting of each item.
- 3 Click **OK**.

Key Operations

This section explains operations you can perform using your computer keyboard.

- The plus symbol (+) is used here to indicate that two keys should be pressed at the same time.

Example: Pressing both the **Ctrl** and **A** key at the same time is shown as: **Ctrl+A**.

Shortcut Keys

You can use the shortcut key operations shown in the table below to perform various operations from your computer keyboard.

| Key Operation | Function |
|---------------|---|
| Delete | Deletes the currently selected field. |
| Ctrl+A | Selects all of the fields in a layout. |
| Ctrl+D | Duplicates the currently selected range or field. |
| Ctrl+N | Creates a new layout. |
| Ctrl+O | Opens an existing layout. |
| Ctrl+P | Prints a currently displayed layout. |
| Ctrl+S | Saves the displayed layout to its existing file. |
| Ctrl+X | Cuts the currently selected field. |
| Ctrl+C | Copies the currently selected field. |
| Ctrl+V | Pastes fields that have been cut or copied. |
| Ctrl+Z | Undoes the last operation. |
| Ctrl++ | Zooms in on the screen. |
| Ctrl+- | Zooms out from the screen. |

Using Key Operations to Reposition Fields

You can use the computer keyboard operations in the table below to reposition fields in a layout.

- Click a field to select it.

| Key Operation | Function |
|------------------|---|
| ↑ | Shifts the selected field slightly upwards. |
| ↓ | Shifts the selected field slightly downwards. |
| ← | Shifts the selected field slightly leftwards. |
| → | Shifts the selected field slightly rightwards. |
| Ctrl+ ↑ | Moves the selected field upwards. |
| Ctrl+ ↓ | Moves the selected field downwards. |
| Ctrl+ ← | Moves the selected field leftwards |
| Ctrl+ → | Moves the selected field rightwards |
| Tab | Jumps forward between fields. |
| Shift+Tab | Jumps back between fields. |
| Home | Moves the selected field to the left edge of the label layout. |
| End | Moves the selected field to the right edge of the label layout. |
| Ctrl+Home | Moves the selected field to the upper left edge of the label layout. |
| Ctrl+End | Moves the selected field to the lower right edge of the label layout. |

Using Fields

A label layout is made up of various fields. This section explains the characteristics of each type of field and the common operations that apply to all field types.

Four Field Types

Field Types

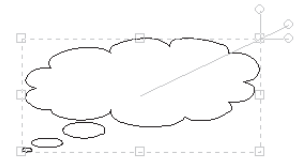
There are four different types of fields that can be inserted into a label layout.

| This type of field: | Is for this type of data: |
|---------------------|-------------------------------------|
| Text field | Text |
| Image field | Images |
| Figure field | Figures and illustrations |
| Bar code field | Bar codes and two-dimensional codes |

Selecting a field causes it to be surrounded by a light gray boundary as shown in the nearby illustration. This selection boundary is not printed.



Figure field

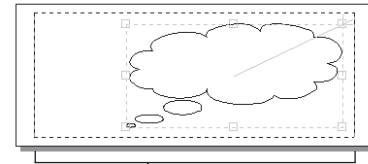


Bar code field



Important!

Layout the fields so they fit within the layout area. Any part of the label that is not within the layout area will not be printed.



Layout size (within boundary : : : :)

Difference between an Image and a Figure

This manual differentiates between images and figures as described below.

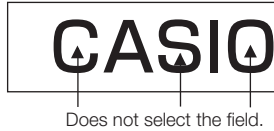
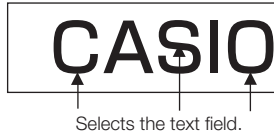
Image: This is an illustration drawn with paint software, or a digital image recorded with a digital camera, or downloaded from a website, etc.

In addition to the images that come with this software, you can import your own digital images or computer screen shots.

Figure: A figure is a square, star, arrow or other sketch or drawing. This software comes with various figures built-in.

■ Selecting a Field

Text field: Click on a line of the text to select the field.



Graphic, figure, or bar code field:

Click anywhere within the field.

General Field Operations

This section explains operations that apply to all field types.

- Click a field to select it. If fields are stacked in a way that some cannot be seen, you can navigate between them by pressing the **Tab** key.

Repositioning a Field

Drag the field with your mouse.

Deleting a Field

Select the field and then press the **Delete** key.

Editing or Replacing Text, a Graphic, or a Bar Code in a Field

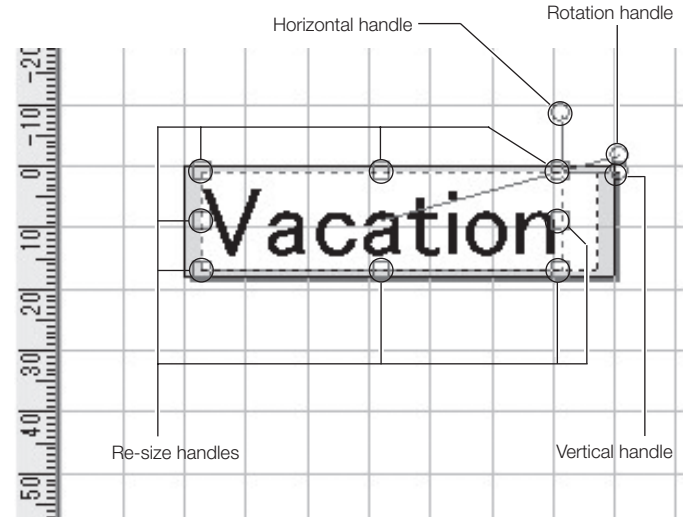
Double-clicking a field displays a screen for editing field content and replacing the field.

Inserting a Field from the Panel

You can insert a text, image, or figure into a label layout by dragging it in from panel.

Adjusting the Shape or Size of a Field

You can adjust the shape and size of a field. You can also adjust the size and shape of the text, graphic, or figure contained in a field, in accordance with the field shape.



- You can re-size a field by dragging the re-size handles.
- You can rotate a field by dragging the rotation handle.
- You can horizontally tilt a field by dragging its horizontal handle.
- You can vertically tilt a field by dragging its vertical handle.

Important!

A bar code field can be re-sized in the vertical direction only. A two-dimensional code cannot be re-sized.

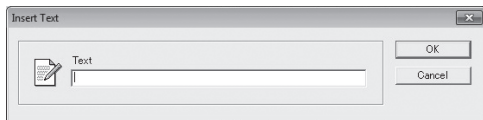
Inserting Text

This section explains how to insert text into a label layout.

Confirm that the layout screen is displayed.

- For information about the layout screen, see "Layout Creation Screen" (page 12).

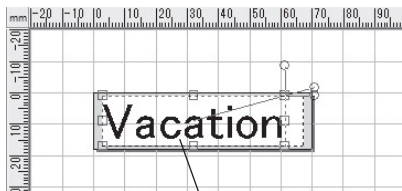
- 1 Click **Insert Text** on the **Insert** menu, or click the  icon.



- 2 Input text.

- 3 Click **OK**.

- This inserts a text field along with the text you input.



Text field

Important!

Text fields are input one line at a time. To input multiple lines of text, you need to input and lay out each line.

Editing Text, Modifying Text Field Properties, Deleting a Text Field

You can edit the text in a text field, modify the properties (size, angle) of the text field, and delete a text field as required.

- For details about fields, see "Using Fields" (page 20).

Editing Text Field Text

Use the procedure below to re-input the text in a text field.

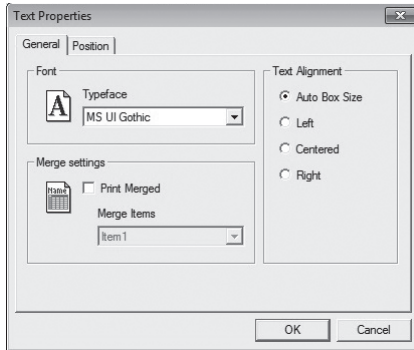
- 1 Double-click the text.
 - This displays the **Insert Text** screen.
- 2 Re-input the text.
- 3 Click **OK**.

Modifying Text Field Properties

Use the procedure below to change the text font in a field, or to change the alignment of the text. Text field properties affect all of the text in the field.

- 1 Click on a line of the text in the field whose properties you want to modify.
 - Modifying text properties without first selecting a text field will cause the properties to be applied to the next text field you insert.

- 2 On the **Settings** menu, click **Text settings**.



- 3 Configure the setting of each item.

- For vertical text, use **Typeface** to select a vertical font, which is indicated by a sign (@) at the beginning of the font name. Note that single-bytes characters cannot be used for vertical text.

- 4 Click **OK**.

■ Adjusting the Text Size and Angle

You can change the size and angle of text by adjusting the size and angle of its text field.

- For information about how to adjust these properties, see "General Field Operations" (page 21).

Deleting a Text Field

- 1 Click the text you want to delete.
- 2 Press the **Delete** key.
 - This deletes the text field.

Easily Inputting Often-used Text

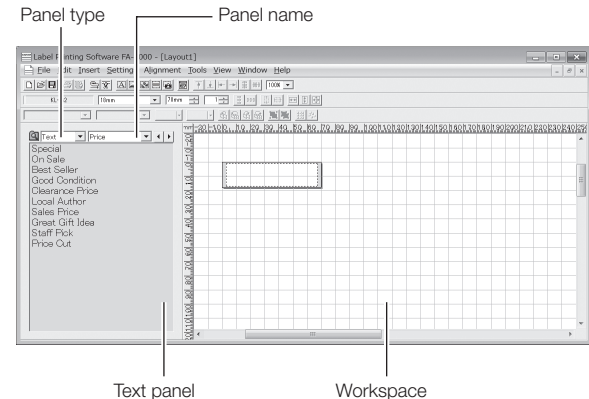
Once you save text to the text panel, you can re-use it whenever and as many times as you like.

This section explains how to save text to the text panel, how to insert text from the text panel into a label layout, and how to delete text from the text panel.

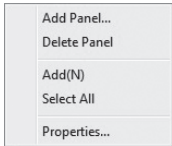
Saving Text to the Panel

■ Using the Shortcut Menu to Save Text to the Panel

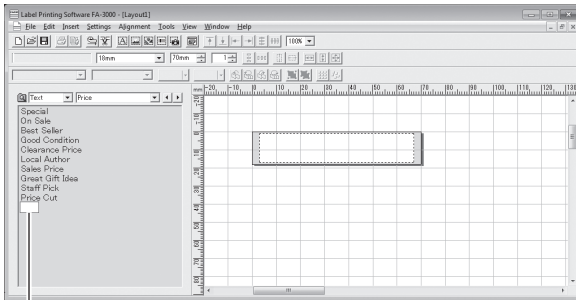
- 1 For the panel type, select **Text**.



- 2 Select the panel name.
- 3 Right-click the panel.
 - This displays a shortcut menu.



- 4 Click **Add**.



Text input box

- 5 Input text.
 - The text you input is in the text input box.
- 6 Press **Enter**.
 - This saves the input text to the panel.

■ Saving Workspace Text to the Panel

With this procedure, the text you want to save to the panel should already be inserted in the workspace.

- 1 For the panel type, select **Text**.
 - This displays the text panel.
- 2 Select the panel name and display the panel where you want to save the text.
- 3 While holding down **Alt** on your keyboard, drag the text you want to save from the workspace to the panel.
 - This will display the dragged text on the text panel, indicating that it was saved there.

Inserting Text from the Panel

- 1 For the panel type, select **Text**.
 - This displays the text panel.
- 2 Select the panel name.
- 3 From the panel, drag the text you want to insert to the workspace.
 - This inserts a text field along with the text.

Deleting Text from the Text Panel

- 1 For the panel type, select **Text**.
 - This displays the text panel.
- 2 Select the panel name.
- 3 Right-click the text you want to delete.
 - This displays a shortcut menu.
- 4 Click **Delete**.

Inserting an Image

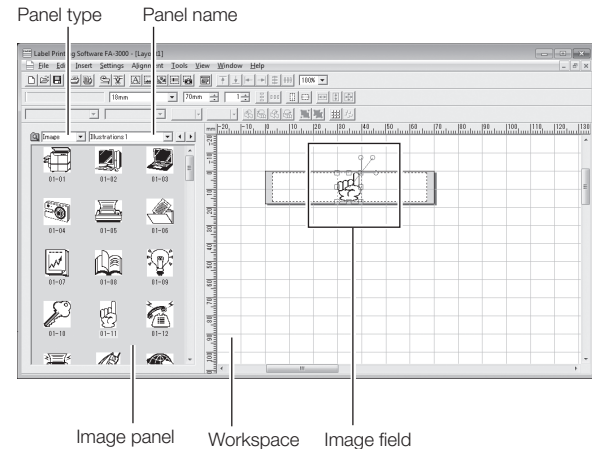
This software comes with various built-in images that you can insert into your label layouts. You can also capture screen shots from your computer and use the resulting image in a label layout.

There are three ways to insert an image.

- Inserting an image from the panel
- Inserting an image by specifying a file name
- Capturing a computer screen image

Inserting an Image from the Panel

- 1 For the panel type, select **Image**.



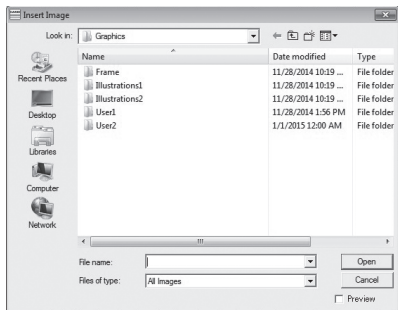
- 2 Select the panel name and display the image you want to insert.
 - Changing the selected panel name changes the images shown on the panel.
- 3 Drag the image you want to insert to the workspace.
 - This inserts an image field along with the image.

Inserting an image by specifying a File Name

Important!

The types of images below can be inserted into a label layout.
BMP, JPEG, PNG

- 1 Click **Insert Image** on the **Insert** menu, or click the  icon.



- 2 Specify the file name of the image you want to insert.

- 3 Click **Open**.
 - This inserts an image field along with the image.

Capturing a Computer Screen Image

Use the procedure below to capture an image of your computer screen for use as image data.

Caution!

The capture operation may not work correctly if your computer is running Windows 7 or Windows Vista with Aero enabled.

- 1 On the FA-3000 application title bar, click .
 - This minimizes the FA-3000 window.

Click here. 



- 2 Display the screen you want to capture.
- 3 On the Windows taskbar, click **FA-3000**.
 - This returns the FA-3000 window to its normal size.



Click here.

- 4 Click .
 - This minimizes the FA-3000 window.
 - To cancel the capture operation, press the **Esc** key.

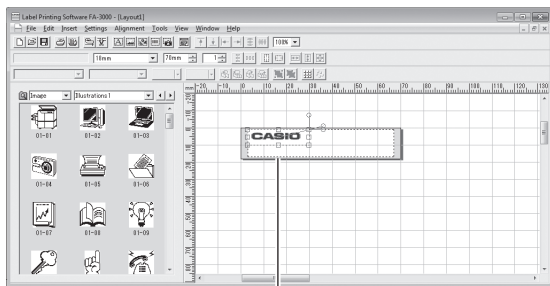
- 5 Drag your mouse pointer from the upper left corner down to the lower right corner of the area you want to capture.



This will surround the area you dragged across with a selection boundary.



Guidelines that correspond to the size of your label layout will also appear on the screen.



The area you dragged across is inserted into the label layout.

- The captured area is inserted as image data.
- If you drag across and area that is larger than that shown by the guidelines, re-size the captured image just as you would re-size a normal image (page 21).

Replacing an Image and Modifying Image Properties

This section explains how to perform the following image field operations: replace an image with another one, modify field properties (size and angle), and delete an image field.

- For details about fields, see "Using Fields" (page 20).

Replacing the Image in a Field

You can use the procedure below to replace the image in an image field with a different one.

- 1 Double-click the image field.
 - This displays the **Insert Image** screen.
- 2 Select the file name of the image you want to insert.
- 3 Click **Open**.

Adjusting the Size and Angle of an Image

You can change the size and angle of an image by adjusting the size and angle of its image field.

- For information about how to adjust these properties, see "General Field Operations" (page 21).

Deleting an Image Field

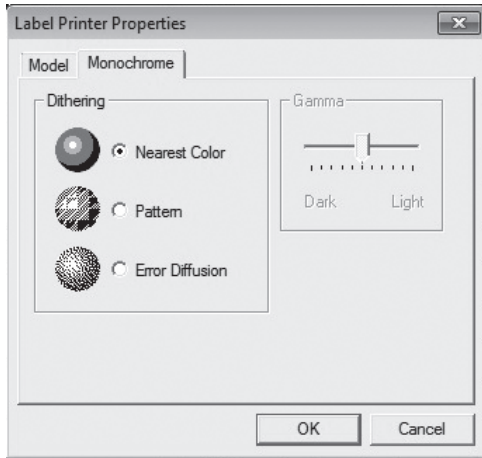
- 1 Click the image field you want to delete.
- 2 Press **Delete**.
 - This deletes the image field.

Configuring Monochrome Settings

This setting specifies how a color image is converted to monochrome for printing.

You can also adjust the density of the image.

- 1 On the **File** menu, click **Model setting**.
 - This displays the **Label Printer Properties** screen.
- 2 Click **Monochrome**.



- 3 Specify the monochrome conversion method to use.
 - The examples below show the result of each setting when printing black figures on a white tape.

Nearest Color



Makes light colors white and dark colors black. Best for printing line drawings and text data.

Pattern



Make dark colors a dark shade and light colors a light shade.

Error Diffusion



Make dark colors a dark shade and light colors a light shade. Produces an image similar to that of a copy machine. Printing takes more time than **Pattern**, but the printed results look better.

- You can drag the **Gamma** slider to adjust the density of the inserted image. Note that adjustment is not supported with **Nearest Color**.
- 4 Click **OK**.
 - This setting affects the printed image only. The image shown in the workspace does not change.

Saving an Image to and Deleting an Image from the Image Panel

Once you save an image to the image panel, you can re-use it whenever and as many times as you like.

This section explains how to save an image to the image panel and how to delete an image from the image panel.

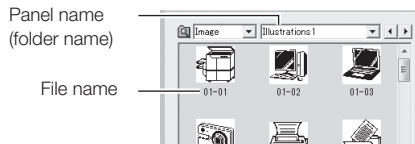
Saving an Image to the Panel

With this procedure, the image you want to save to the panel should already be inserted in the workspace.

- 1 For the panel type, select **Image**.
 - This displays the image panel.
- 2 Select the panel name and display the panel where you want to save the image.
- 3 While holding down **Alt** on your keyboard, drag the image you want to save from the workspace to the panel.
- 4 Clicking or double-clicking the **New bitmap** area will move the cursor there. Input a name for the saved image and then press **Enter**.

Deleting an Image from the Image Panel

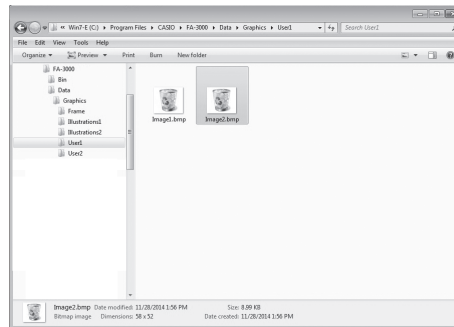
Saving an image to the image panel stores it as a file on your computer with the name shown under the image on the image panel, in a folder with the same name as the panel name.



Deleting an image from the image panel deletes the file from the folder.

- 1 Exit the FA-3000 application.
- 2 Use Explorer to open the folder where images are stored.
 - For example, sample images are stored in the following folder:
/Program Files(X86)/CASIO/FA-3000/DATA/Graphics/(panel name)
Note that the folders above (to the left of) **FA-3000** will be different on your computer, depending on where you installed the FA-3000 application.

Example: To delete an image from the panel named **User 1**.

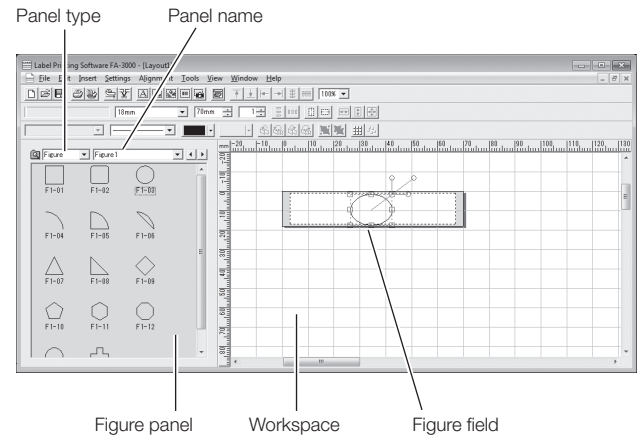


- 3 Drag the icon of the file you want to delete to the Recycle Bin.
 - Restart the FA-3000 application. The image will no longer appear on the image panel.


Inserting a Figure

The FA-3000 application comes with a variety of basic figures that you can insert into your label layouts.

- 1 For the panel type, select **Figure**.



- 2 Select the panel name and display the figure you want to insert.
 - Changing the selected panel name changes the figures shown on the panel.
- 3 Drag the figure you want to insert to the workspace.
 - This inserts a figure field along with the figure.

- You can also insert a figure using the steps below.
 1. Click **Insert Figure** on the **Insert** menu, or click the  icon.
 2. Use **Types of Figure** to select the type of figure you want to use.
 3. Click the figure you want to insert.
 4. Click **OK**.

Replacing a Figure and Modifying Figure Properties

This section explains how to perform the following figure field operations: replace a figure with another one, modify field properties (illustration line and color, field size and angle), and delete a figure field.

- For details about fields, see "Using Fields" (page 20).

Replacing the Figure in a Field

You can use the procedure below to replace the figure in a figure field with a different one.

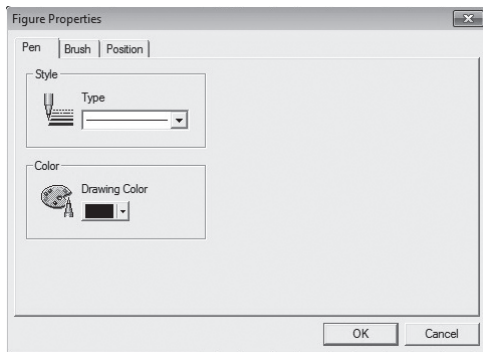
- 1 Double-click the figure field.
 - This displays the **Insert Figure** screen.
- 2 Click the figure you want to insert.
- 3 Click **OK**.

Modifying Figure Field Properties

You can use the procedures in this section to change the line thickness and color of an inserted figure.

- 1 Click the figure field whose properties you want to modify.
 - Modifying figure properties without first selecting a figure field will cause the properties to be applied to the next figure field you insert.

- 2 On the **Settings** menu, click **Figure settings**.



- 3 Configure the setting of each item.

- 4 Click **OK**.

■ Adjusting the Size and Angle of a Figure

You can change the size and angle of a figure by adjusting the size and angle of its figure field.

- For information about how to adjust these properties, see "General Field Operations" (page 21).

Deleting a Figure Field


- 1 Click the figure field you want to delete.
- 2 Press the **Delete**.
 - This deletes the figure field.

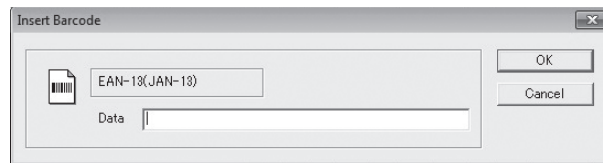
Inserting a Bar Code or Two-dimensional Code

This section explains how to insert a bar code or two-dimensional code into a label layout.

Confirm that the layout screen is displayed.

For information about the layout screen, see "FA-3000 Basic Operations" (page 8) and "Layout Creation Screen" (page 12).

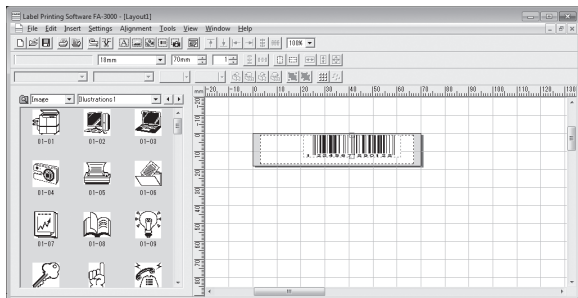
- 1 Click **Insert Barcode** on the **Insert** menu, or click the  icon.
 - This displays a menu of supported bar codes and two-dimensional codes.



- 2 Select type of code you want to insert.
 - The bar code types below are supported.
EAN-13(JAN-13), EAN-8(JAN-8), UPC-A, UPC-E, ITF, CODE39, NW-7(CODABAR), CODE128, GS1-128, GS1 Databar, QR Code, PDF417, Data Matrix
- 3 After configuring the required settings, input the numbers and/or letters of the bar code.
 - Depending on the bar code type, you can input control codes and other digits.

4 Click **OK**.

- This inserts a bar code field along with a bar code or two-dimensional code that corresponds to your input.



■ Printing Bar Codes or Two-dimensional Codes

- You should confirm that a printed bar code or two dimensional code can be read correctly before actually using it. If a bar code cannot be read correctly, make the adjustments below.
 - Lighten the print density (page 44).
 - Increase the bar code size (page 34)
- The tapes below are suitable for bar code and two-dimensional code label printing.
 - Black lettering on white tape (WE)*
 - Blue lettering on white tape (WEB)*
 - Black lettering on yellow tape (YW)*

* The letters in parentheses indicate the tape model number.
- Position a bar code field so its left edge is at least 21mm ($1\frac{3}{16}$ ") (26mm (1") for the CW-L300) from the left edge of the tape.

Editing a Bar Code or Two-dimensional Code, Modifying Bar Code Field Properties, and Deleting a Bar Code Field

This section explains how to perform the following bar code field operations: edit letters and numbers, modify field properties, delete the field.

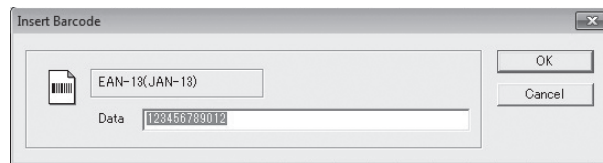
- For details about fields, see "Using Fields" (page 20).

Editing Letters and Numbers in a Bar Code Field

Use the procedure below to re-input the letters and numbers in a bar code field.

1 Double-click the bar code field.

- This displays the **Insert Barcode** screen.



2 Re-input the letters and numbers for the bar code.

3 Click **OK**.

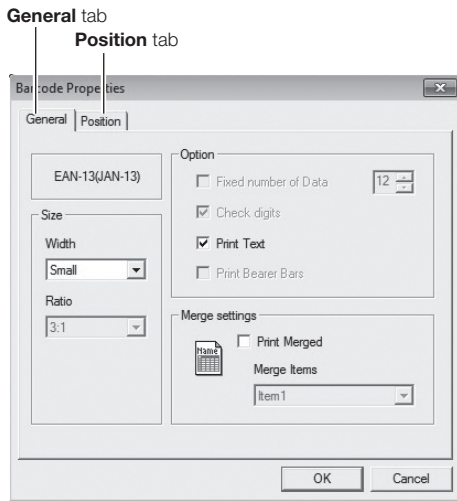
Modifying Bar Code Properties

Use the procedure below to change the properties of a bar code or two dimensional code inserted into a label layout.

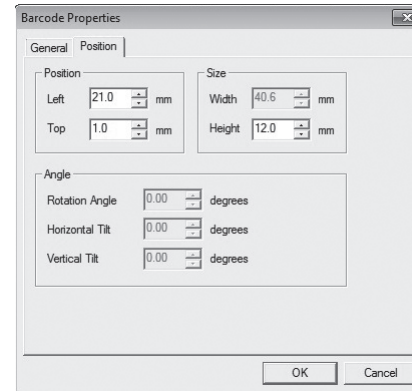
Important!

A bar code field cannot be rotated.

- 1 Click the bar code field whose properties you want to modify.
- 2 On the **Settings** menu, click **Barcode settings**.
- 3 Select type of code you want to modify.



- 4 On the **General** tab, configure the setting of each item.
 - To perform merge printing, select the **Print Merged** check box. Use the **Merge Items** box to specify the item in the database to be merged into the label. Note that you need to prepare a database by inputting letters and numbers that meet the specifications of the bar code type you are printing.
 - For information about database item settings, see "Creating the Merge Database" (page 38).
- 5 Click the **Position** tab.



- 6 On the **Position** tab, configure the setting of each item.
- 7 Click **OK**.

Deleting a Bar Code Field

- 1 Click the bar code field you want to delete.
- 2 Press the **Delete** key.
 - This deletes the bar code field.

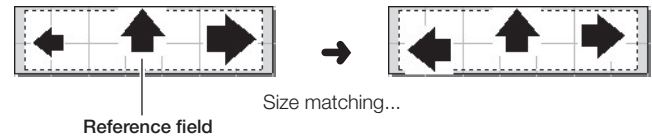
Positioning and Size Matching Fields

Use the procedures in this section to align fields, to make multiple fields the same size, and to perform other field positioning operations. Note that you can even use these procedures to size match and align fields of different types (such as text fields and image fields).

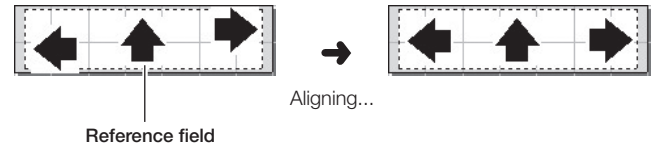
Field Positioning and Size Matching

You can select one field as the reference, and then align (along their top, bottom, left, or right edges) or re-size other fields to match the reference field.

Example 1: Size matching fields



Example 2: Aligning the top edges of fields



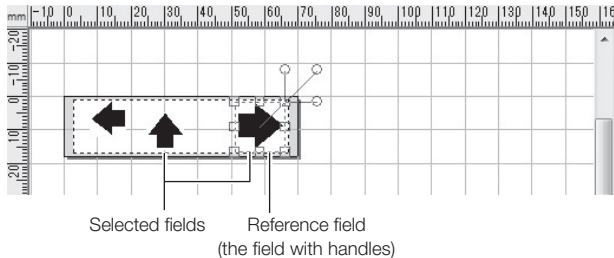
Selecting Fields

The first step is to select the fields to be aligned or size matched. After that, you need to select the reference field.

- 1 Drag your mouse pointer across a range that includes all of the fields you want to align. Alternately, you could hold down the **Shift** key as you click each of the applicable fields, one by one.
 - The currently selected fields become surrounded with a gray boundary. The field with the handles is the current reference field.

Important!

When you perform a drag operation to select fields, a field will not be selected if any part of it is outside of the area you select. Make sure you entirely enclose all of the fields you want to select.



- 2 To select a different reference field, hold down **Ctrl** as you click the desired field.
 - Handles will appear around the field you click, indicating that it is now the reference field.

Positioning and Size Matching Fields

After you select the desired fields, you can align or size match them.

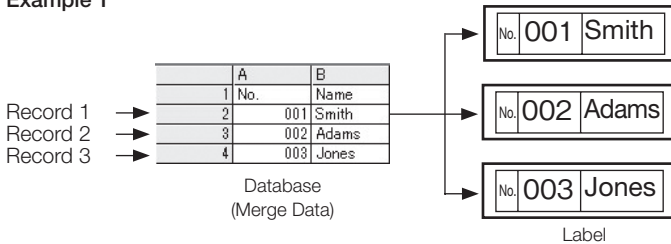
- 1 Perform the operation required to align or size match the selected fields.
 - You can use either the **Alignment** menu or icon operations to align or size match fields.
 - Alignment Menu (pages 14 and 15)
 - Toolbar (Tool Icons) (pages 16 to 17)
- 2 To deselect the field, click anywhere outside of the grey boundary.

Using Merge Print

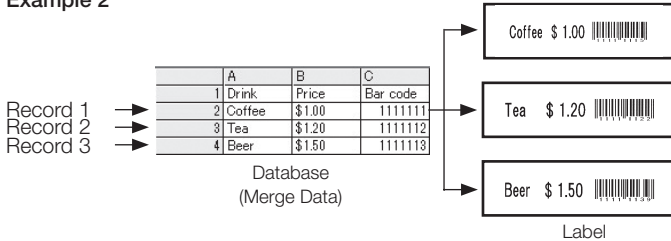
With merge printing, you can print a series of labels with the same format, while replacing its text, bar code, or two-dimensional code with each printing. This capability really comes in handy when creating asset management labels.

Merged data can be maintained in a database, so the same data can be used to produce bar codes and two-dimensional codes in different label layouts (as long as the code format is compatible).

Example 1



Example 2



Merge Printing Operation Flow

The general flow for merge printing is shown below. Detailed explanations of the procedure are provided in the following pages.

① Use Merge Database Tool to create the merge data.



② Create the label layout for merge printing.



③ Create the text field or bar code field where the data will be inserted.



④ Configure settings to insert the merge data into the applicable field.



⑤ Print

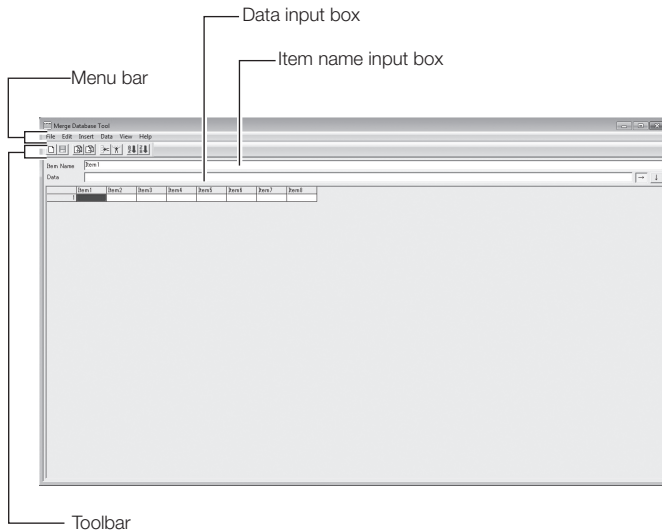
Creating the Merge Database

The first step in merge printing is to use Merge Database Tool to create the merge database.

You can use either of two methods to create a merge database: creating a database of new merge data from scratch, or importing data created with other software.

Starting Up and Exiting Merge Database Tool

- 1 On the **Tools** menu, click **Database for Merge**.



- 2 Create the merge data.
 - For information about creating a database of new data from scratch, see "Creating a Merge Database of New Data" (page 39).
 - For information about importing data created with other software, see "Importing Other Software Data into a Merge Database" (page 40).
- 3 After you finish creating the required data, click **Update** on the **File** menu.
- 4 On the **File** menu, click **Exit Merge Database**.
 - Exits Merge Database Tool.









Merge Database Tool Menu Bar

| Menu | Function |
|----------------------------|---|
| File Menu | |
| New | Creates a new merge database. |
| Update | Updates merge data. |
| Import | Imports data created with other software. |
| Export | Exports data in a format that can be used by other software. (.csv, .txt) |
| Exit Merge Database | Exits Merge Database Tool |
| Edit Menu | |
| Undo | Undoes the last operation. |
| Redo | Redoes the last undone operation. |

| Menu | Function |
|----------------------|--|
| Cut | Cuts the currently selected range of data. |
| Copy | Copies the currently selected range of data. |
| Paste | Pastes data from the clipboard. |
| Delete | Deletes the currently selected range of data. |
| Delete Row | Deletes the currently selected row. |
| Delete Column | Deletes the currently selected column. |
| ■ Insert Menu | |
| Row | Inserts a blank row. |
| Column | Inserts a blank column. |
| ■ Data Menu | |
| Sort | Toggles data sorting between ascending and descending. |
| ■ View Menu | |
| Tool bar | Toggles the toolbar between show and hide. |
| ■ Help Menu | |
| Version info | Shows the database tool version. |


Merge Database Toolbar



Click a tool icon to perform its operation.

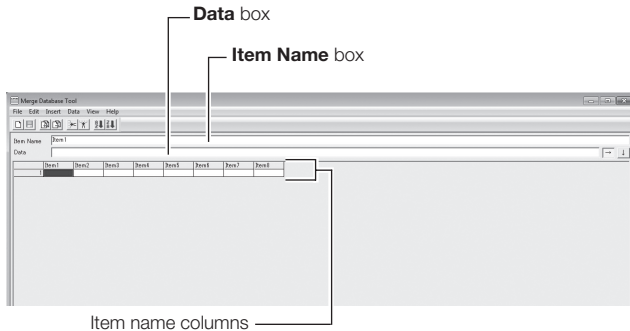
| Tool Icon | Function |
|---|--|
|  | Creates a new merge database. |
|  | Updates merge data. |
|  | Imports data created with other software. |
|  | Exports data in a format that can be used by other software. |
|  | Inserts a blank row. |
|  | Inserts a blank column. |
|  | Sorts data ascending. |
|  | Sorts data descending. |

Creating a Merge Database of New Data

Use the procedure below to create a new merge database.

- 1 Click **New** on the **File** menu, or click the  icon.
 - This step is not necessary if the new database screen is displayed immediately after starting up Merge Database Tool. In that case, go directly to step 2 of this procedure.

- 2 On the **Insert** menu click **Row** or click  as many times as necessary to increase the number of rows to that required for all of the data records you plan to input.
- 3 On the **Insert** menu click **Column** or  as many times as necessary to increase the number of columns to that required for all of the items in each data record.
- 4 To change a column title, click its current title (Item1, Item2, etc.) and then input the desired name into the **Item Name** box.



- 5 To input data, click a cell and then input into the **Data** box.

Important!

Data cannot be input directly into a cell. Select a cell and then input the data into the **Data** box.

- 6 Repeat steps 4 and 5 as many time as necessary to input all of the required item names and data.
- 7 After you finish creating the data, click **Update** on the **File** menu.


- 8 On the **File** menu, click **Exit Merge Database**.
 - This exits Merge Database Tool.

Importing Other Software Data into a Merge Database

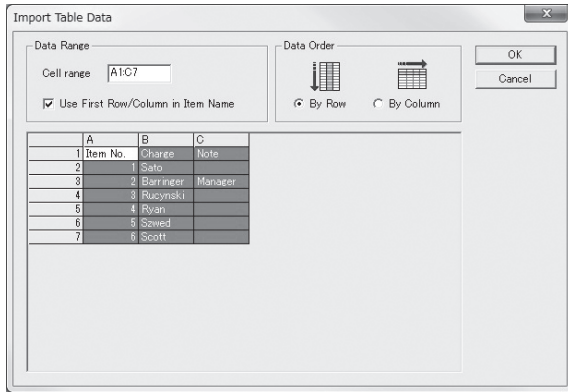
You can use the procedure below to import data create with other software and create a merge database.

Important!

- The file formats below are supported for merge data import.
.txt .csv .xls .xlsx
- To import data from an Excel file, you will need to have one of the following Microsoft Excel versions installed on your computer: 2000, 2002, 2003, 2007, 2010, and 2013.

- 1 Click **Import** on the **File** menu, or click the  icon.
 - This displays the **Open File** screen.
- 2 Specify the name of the file that contains the data you want to import.
- 3 Click **Open**.
 - If you specified a txt or csv data file, a **Text Data Format** screen will appear. If you specified an xls or xlsx data file, a **Select Sheet** screen will appear. If no screen appears, go directly to step 6 of this procedure
 - Excel File Import Precaution
The maximum size supported for Excel file import is 1,024 rows x 128 columns.
- 4 Configure the **Text Data Format** or **Select Sheet** settings as required.

- 5 Click **OK**.
- 6 Drag your mouse pointer across the range of cells you want to import as merge data.
 - The range of selected cells will be indicated in the **Cell range** box.



- 7 Configure the setting of each item.
- 8 Click **OK**.
 - This completes the merge database creation operation.
- 9 After you are finished, click **Update** on the **File** menu.
- 10 On the **File** menu, click **Exit Merge Database**.
 - This exits Merge Database Tool.

Configuring Field Merge Settings

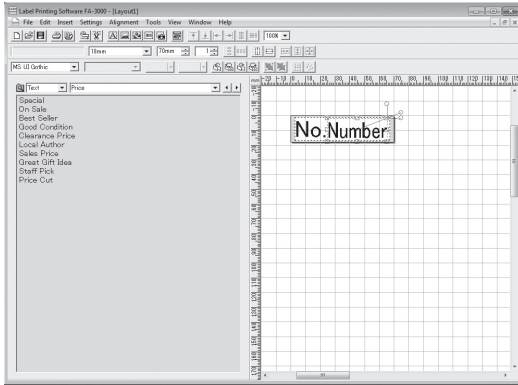
Merge database data can be merged into a text field or bar code field.

First, insert into the label layout the text or bar code field where the data will be inserted.

- Next, you need to specify which of the database column's data will be merged into the field. Here, we will present an example where we will configure the settings of a text field. The same operations apply when configuring a bar code field.

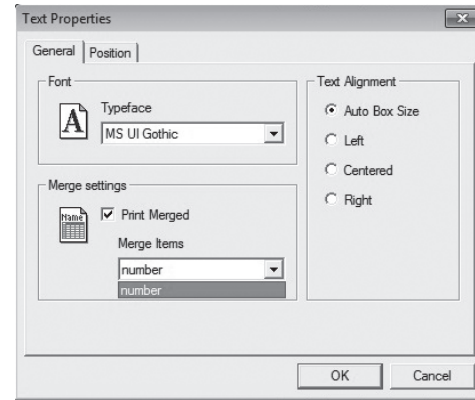
- 1 Insert the text field you want to use for data merging into the label layout.
 - When you insert the text field, you should input text that clearly identifies it as being used for merge data printing.
- 2 Align the text field and create your label layout.

- 3 Click the text field where you want to merge data to select it.



- 4 On the **Settings** menu, click **Text settings**.
- This displays the **Text Properties** screen.
- 5 Under **Merge settings**, select the **Print Merged** check box.
- This enables the **Merge Items** box, which you can use to specify database items.

- 6 Use the **Merge Items** box to select the database items you want to merge.



- 7 Click **OK**.
- This setting does not change the contents of the text field in the workspace, but when you perform a later merge print operation the data of the database items (column) you selected in step 6 of this procedure will be inserted automatically.

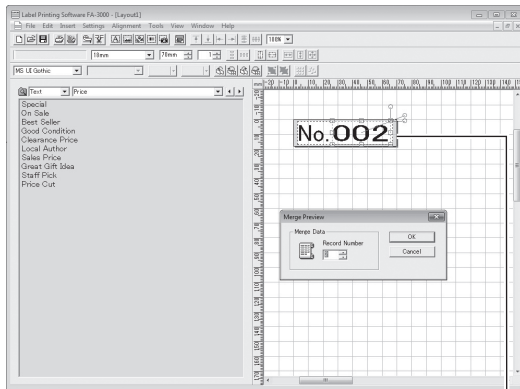
Previewing Merge Results

- You can use the procedure below to preview what the layout will look like when printed as data is merged into it.
- You need to configure the merge settings before previewing merge results.
- For information about merge settings, see "Configuring Field Merge Settings" (page 41).

1 On the **File** menu, click **Merge Preview**.

2 Use the **Record Number** box to input the sequential number of the record whose result you want to preview.

- The content of the record you specify will be displayed inside the merge print text field.
You can preview other records by changing the record number.



Merge print text field

3 Click **Cancel**.

- This exits merge preview.
- Clicking **OK** will display the label layout with the content of the currently specified record merged. From this screen you will not be able to exit merge preview and return to the screen that was displayed before you started it.
- You can also merge the contents of a particular record and print that record only. For details, see "Printing a Label" (page 44).

Printing Precautions

Check the following points before printing.

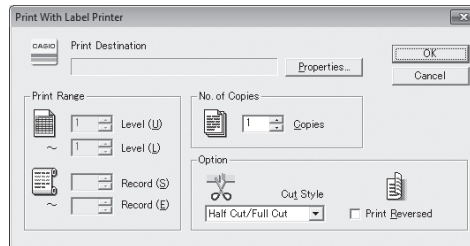
- Make sure that your computer is connected to the printer you plan to use and that the printer is in the communication mode.
- Make sure that no part of the text and/or figures you are about to print is outside of the print area.
- Make sure that the tape loaded in the printer is appropriate for the tape specified for the label layout.

Printing a Label

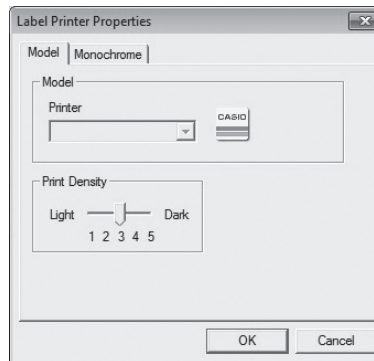
This section explains how to print a tape layout, how to perform merge printing, and how to feed and cut the tape from your computer.

Printing a Label

- 1 Click **Print** on the **File** menu, or click the  icon.



- 2 Click **Properties**.



- 3 Configure the setting of each item.
 - **Printer** shows the model name of the printer to be used for printing.
 - If text or figures on actual print results are smudged or too dense, adjust the print density.
- 4 Click **OK**.
- 5 Configure number of copies, options, and other settings.
 - Under **Cut Style**, specify the tape cut method you want to use. Select **Half Cut/Full Cut**, **Full Cut Only**, or **No Cut**.
 - With **Half Cut/Full Cut** the printer cuts only the tape part, without cutting the backing paper when multiple labels are printed. With this setting, margins between labels are narrower, which saves tape.
 - Select **No Cut** when printing on reflective tape, magnetic tape or iron-on fabric tape.
 - Select **Full Cut Only** or **No Cut** when printing on iron-on transfer tape.
 - Changing the printer model may cause the **Cut Style** setting to be changed automatically.
 - To perform mirror image printing, select the **Print Reversed** check box.

- 6 Connect the printer to your computer.
 - Put the printer into the data communication mode and confirm that it is displaying the **READY TO TRANSFER DATA** message.
- 7 Click **OK**.
 - This starts printing.
 - To stop printing, click "**Printing cancelled**" on the **Printer** menu of the print spooler screen.
 - To print a large label, you can print parts to multiple pieces of tape and then assemble them into the final label. For more information, see "Printing a Label Larger than the Tape Cartridge Width" (page 48).

Important!

- Tape cutting is not performed when the tape length is one of those shown in the table below. In this case, you can use scissors or some other implement to cut the tape after printing is complete.

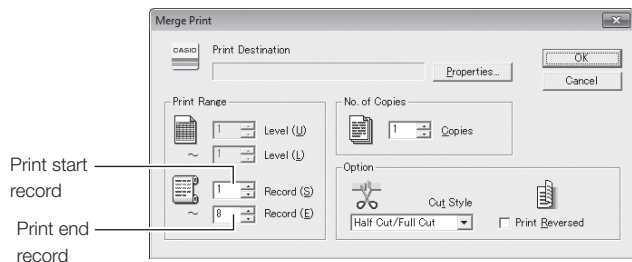
| Model | Margins: Small | Margins: Medium | Margins: Large |
|---------|---|---|--|
| KL-G2 | Approximately 28 mm (1-1/8") or less | Approximately 35mm (1-3/8") or less | Approximately 45mm (1-3/4") or less |
| CW-L300 | Approximately 30mm (1-3/16") or less | Approximately 37mm (1-7/16") or less | Approximately 49mm (1-15/16") or less |

- The display settings of your computer and/or the zoom factor selected with the FA-3000 application's Zoom setting can cause misalignment of label text and other problems. Be sure check the print preview image before printing.

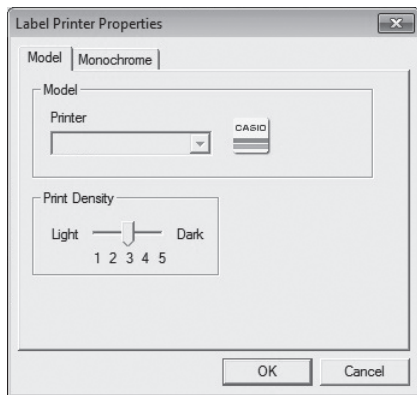
Performing Merge Printing

For details about merge printing, see "Using Merge Print" (page 37).

- 1 On the **File** menu, click **Merge Print**.



- 2 Configure the setting of each item.
- 3 Click **Properties**.




- 4 Configure the setting of each item.
- 5 Click **OK**.
- 6 Configure number of copies, options, and other settings.
- 7 Connect the printer to your computer.
 - Put the printer into the data communication mode and confirm that it is displaying the **READY TO TRANSFER DATA** message.
- 8 Click **OK**.
 - This starts printing.
 - To stop printing, click "**Printing cancelled**" on the **Printer** menu of the print spooler screen.
 - To merge print one particular record, perform the steps below.
 - (1) Use merge preview to display the record you want to print in the label layout.
 - (2) Print normally. For details, see "Printing a Label" (page 44). You can print a single record even if you specified values for the print start record and print end record on the screen under step 1 of the procedure.

Feeding and Cutting the Tape

You can perform tape feed and cut operations from your computer.

- 1 Click the tool icon for the operation you want to perform.

To feed the tape, click .

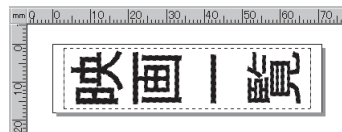
To cut the tape, click .

Label Layout Hints

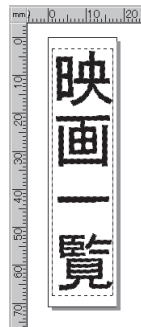
Laying Out a Vertical Text Label

Use a vertical font when laying out a vertical text label.

1. Laying out a vertical text label using a horizontal layout screen image
On the **Label Properties** screen (page 11), select **Horizontal** for the **Tape Direction** setting. Next, on the **Text Properties** screen (page 23), specify a vertical font (indicated by an at sign (@) at the beginning of the font name) and then input the text. Note that single-byte characters cannot be used for vertical text.



2. Laying out a vertical text label using a vertical layout screen image
On the **Label Properties** screen (page 11), select **Vertical** for the **Tape Direction** setting. Next, create a text field using the same procedure described for a horizontal screen image above. Finally, rotate the text field until it is as shown on the screen below. For information about rotating a field, see "Rotation handle" (page 21).



Printing a Label Larger than the Tape Cartridge Width

You can use the procedure in this section to print a label that is larger than the wide of the tape cartridge loaded in the printer. Printing a label on multiple pieces of tape will result in margins above and below the print area. You can deal with these margins using either of the two methods below.

- Print on transparent tape and overlap the pieces when you assemble the final label. This is the recommended method.
- Trim away the margins before assembling the parts into a final label.

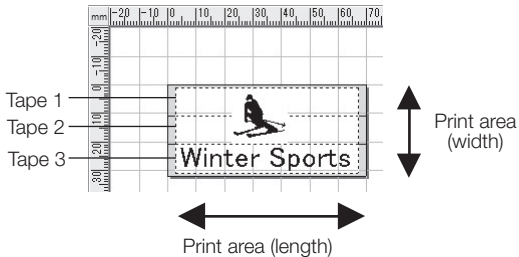
Example: To print the label below using a 12mm tape cartridge



1. On the **Label Properties** screen, specify **12mm (1/2")** for the label width and **3** for the number of pieces. See "Creating a New Label Layout" (page 11).

Important!

- The tape widths for which you can specify the number of pieces depends on the printer model you are using.
 - Note that the maximum number of pieces value is one that does not cause the print area (width) setting to exceed 600mm (23^{-5/8}").
2. Layout the content of the label.



3. Print the label.

- The label is printed in three pieces. Fit them together as you affix them to a surface to assemble the final label.

FA-3000 Application Appendix



Software Troubleshooting

| Symptom | Possible Cause | Required Action |
|--|---|---|
| • Some dots of printed text are missing. | Text field is too small. | Make the text field a little bigger. This does not eliminate the problem, click Text settings on the Settings menu. On the dialog box that appears, select Auto Box Size for the Text Alignment setting and then try printing again. You can also print without losing the edges of the print area by inserting margins at the edges. |
| | The text is larger than the print area. | Reduce the size of the text. You can also print without losing the edges of the print area by inserting margins at the edges. |

Printing Problems

No tape comes out when I print.

- **The tape compartment cover is not closed securely.**
Close the cover securely.
→ Printer User's Guide
- **The cartridge is out of tape.**
Replace the tape cartridge with a new one.
→ Printer User's Guide
- **Tape is jammed.**
Unplug the AC adaptor, and then remove the tape cartridge from the printer and pull out the jammed tape with your fingers. Use scissors to trim off the tape you pulled out. Next, correctly load the tape cartridge back into the printer. Finally, connect the AC adaptor.
Important!
Do not do any of the following while printing is in progress.
 - Allow the tape outlet to become blocked
 - Touch the tape coming out of the printer
 - Open the tape cartridge compartment cover
 - Disconnect or unplug the AC adaptor
 - Disconnect the USB cable→ Printer User's Guide

Printing is unclear.

- **The print density setting needs adjustment.**
Change the print density setting.
- **The tape cartridge is not loaded correctly.**
Remove the tape cartridge and correctly reload it.
→ Printer User's Guide
- **The printer head and/or rubber roller is dirty.**
Clean the print head and the rubber roller.
→ Printer User's Guide

Ink ribbon is coming out of the tape outlet along with the tape.

- **The tape cartridge was loaded while there was slack in the ink ribbon.**

Remove the tape cartridge from the printer. After checking to make sure the ink ribbon is not broken, load it back into the printer.

→ Printer User's Guide

Important!

- Be sure to always take up any slack in the ink ribbon before loading a tape cartridge.
- If the ink ribbon is broken, replace the tape cartridge with a new one (sold separately).

The printer does not cut the tape.

- **Tape is jammed.**

Remove the tape cartridge and clear the jammed tape.

→ Printer User's Guide

- **The tape cutter is dull.**

Contact your original retailer about replacement.

- **You are printing with No Cut selected.**

Select a cut method other than **No Cut**.

- **The label is too short.**

After printing, use scissors or some other implement to cut the tape.

→ The label lengths that can be cut and available auto cut methods depend on the printer model. For more information see the table under "Tape Lengths" (page 45).

The printer does not half cut the tape.

- **The tape cutter is dull.**

Contact your original retailer about replacement.

- **No cut is selected for Cut Style.**

Change the **Cut Style** setting to **Half Cut/Full Cut**.

Important!

- Be sure to always take up any slack in the ink ribbon before loading a tape cartridge.
- Cutting reflective tape, magnetic tape or iron-on fabric tape can shorten cutter life and damage the half cutter part.
When using reflective tape, magnetic tape or iron-on fabric tape, change the **Cut Style** setting to **No Cut**. After printing, feed the tape from the printer and then use scissors or some other implement to cut the tape.

The tape does not stick to the intended surface.

- **The surface or object is inappropriate.**

Affix the label to an appropriate surface or object.

→ Printer User's Guide

Printing stops part way through.

- **The print head is overheated.**

Printing causes the print head to become hot. Continuous printing of a large number of labels or printing labels that include a lot of dark areas can cause the printer head to overheat, which can cause printing to stop automatically. Printing will resume automatically after a short while. Wait for printing to resume.

- **The batteries loaded in the printer are dead.**

Printing requires a large amount of electric power. Because of this, printing may stop suddenly.

Replace the batteries or change to AC adaptor power.

Error Messages

| Error Message | Required Action |
|---|--|
| Error occurred during printing! (No device connected) | <ul style="list-style-type: none">• Check to make sure that the printer is connected to the computer. Check to make sure that printer power is turned on.• Confirm that the USB driver is installed correctly on the computer.• The computer cannot communicate with the printer. To connect the printer with a computer and put the printer into the data communication mode. |
| Error occurred during printing! (Error confirming loaded tape) | Check to make sure that the proper width and type of tape is loaded in the printer. |
| Error occurred during printing! (Tape jammed inside the printer) | Check for tape jamming inside the printer, and confirm that the tape width and type are correct, and that there is still tape left in the cartridge. |
| Battery power low. Continue printing? | Clicking the continue button will continue printing, but continued printing under low battery power will cause printer power to turn off automatically. Replace the batteries or change to AC adaptor power. |

Software Troubleshooting

- **Misalignment during printing of a field frame and text, figure, or image data.**

You may experience misalignment of a field frame and text, figure, or image data. Check the print preview before actually printing a label.

- **Printing an imported color bitmap produces black halation in the image.**

This may be due to low bitmap brightness.

Use a paint program or other similar program to increase the brightness of the image. Or you can convert the image to a binary (two-color) image and adjust it to reduce halation.

- **Cannot import an image file.**

Limitation on the types of files that can be imported are described below.

Image Size

Images that exceed 1,280 horizontally or vertically are re-sized.

Image Format Specific Restrictions

BMP format: Without RLE compression, images of the number of bits below can be imported.

1, 4, 8, 16, 24, 32

With RLE compression, images of the number of bits below can be imported.

1, 4, 8

JPEG format: YUV 4:4:4, 4:2:2, and 4:1:1 color spaces and greyscale YUV 4:0:0 can be imported.

PNG format: 4, 8, 16, 24, and 32 bit images can be imported.

For details about the optional specifications of the above format files, refer to the user documentation of the software used to create the file.

CASIO®

CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan

MO1501-A

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