

**Mimaki APC-130
Printer Driver**

OPERATION MANUAL

MIMAKI ENGINEERING CO., LTD.

URL:<http://eng.mimaki.co.jp/>

Table of Contents

| | |
|--|----------|
| Foreword | 4 |
| CAUTION | 4 |
| Before using the printer driver, be sure to read Read me | 4 |
| Symbols | 5 |
| Supported Plotter | 5 |
| System and Software | 5 |
| Check the setting on the plotter side | 5 |
| | |
| Printer Driver Installation | 6 |
| | |
| Settings of the Printer Driver | 8 |
| Setting the "Printing Preferences" | 9 |
| Set the output port | 14 |

Foreword

Congratulations on your purchase of Printer Driver.

CAUTION

- This document has been created based on the specification as of January 2014.
- Names in this document are trademarks or registered trademarks of each company.
- Description contained in this Operation Manual are subject to change without notice for improvement.
- Do not copy this software to any other disk for the purpose of other than making a backup disk or load it in memory for the purpose of other than execution.
- Except for the damages prescribed in Warranty Notes of MIMAKI Engineering Co., Ltd. assumes no responsibility for effects (including loss of income, indirect damages, special damages, or other financial damages) resulting from the use or non-use of the product. This also applies to the case when MIMAKI Engineering is notified of the possibility of damages. For example, MIMAKI Engineering Co., Ltd. assumes no responsibility for damages of media (work) caused by using this product and indirect damages caused by a product created using the media.
- For more information of this product, contact a distributor in your district or our office.

Before using the printer driver, be sure to read Read me

Before using the printer driver, read ReadmeAPCE.txt attached to the installer of the APC-130 printer driver. In ReadmeAPCE.txt, notes related to the printer driver are described.

Windows XP, Windows 7, Windows 8 and Windows 8.1 are trademarks of Microsoft Corporation and other countries.

All brand names and product names are trademarks or registered trademarks of their respective companies.

©2014 MIMAKI ENGINEERING CO., LTD. All rights reserved.

Symbols

Notes and useful information are described with the mark below.

| Symbols | Meaning |
|---|---|
|  | Important notes in use of printer driver are given with this symbol. Understand the notes thoroughly to operate the machine properly. |
|  | Useful information is given with this symbol. Refer to the information to operate the machine properly. |

Supported Plotter

This printer driver supports the plotter below manufactured by Mimaki Engineering Co., Ltd.

■ APC-130

System and Software

The following conditions are required to use Printer Driver.

This document explains the installation/set-up procedure using Windows 8 as an example.

| | |
|------------|---|
| OS | Microsoft Windows XPSP3 (32bit only), Windows 7 (32bit/64bit), Windows 8(32bit/64bit), Windows 8.1(32bit/64bit) |
| CPU | IBM PC or compatible mounting Pentium processor or compatible CPU. |

Check the setting on the plotter side

First, check the setting of the plotter.



- If each setting value of the plotter is different from the one in the table below, you cannot output drawing normally.

| Function | Setting Value |
|----------------------------------|---------------------------------------|
| Connecting conditions of RS-232C | Data Length : 8bits |
| Origin | Lower left |
| Setting of Pen No. assign | Do not change it from the default. *1 |

*1. When you changed the setting, perform "Initializing the Settings" in the Chapter 3 of the user's manual to initialize the setting contents to the default. (However, all setting contents will be initialized to the default.)

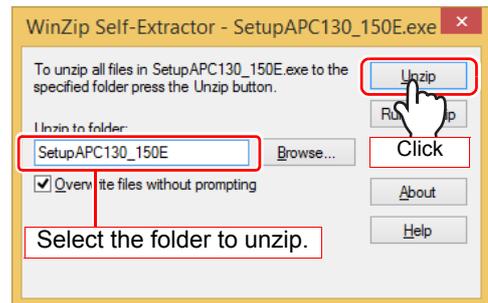
Printer Driver Installation

1 Access to the Mimaki's web page and open the page of APC-130 product information. Download the "APC-130 printer driver" from the download site.

2 Double-click  .

3 Select the folder to unzip the installer, and click **Unzip**.

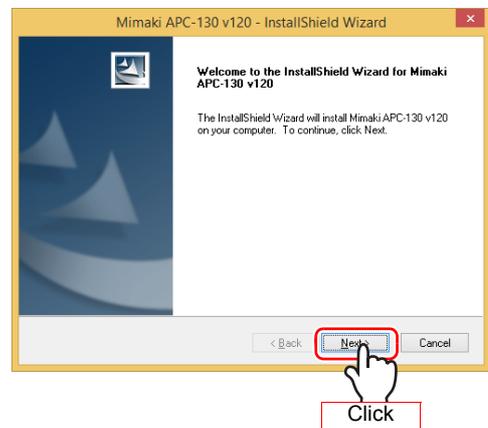
- The [SetupAPC130] folder is created in the selected folder.



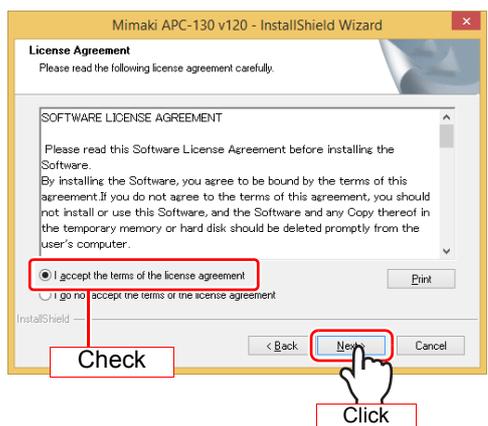
4 Open the folder you selected in step 3, and double-click  .
Setup.exe

- Install shield wizard will start.

5 Click **Next** .

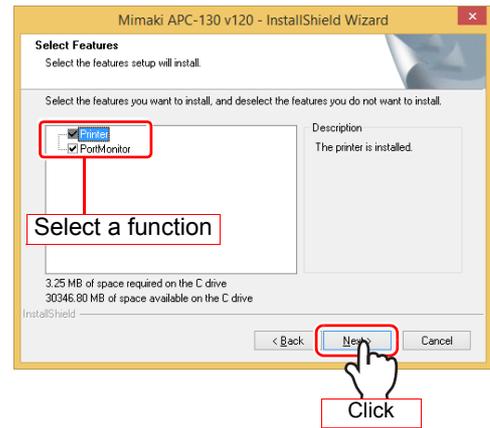


6 Check [I accept the terms of the license agreement] and click **Next** .



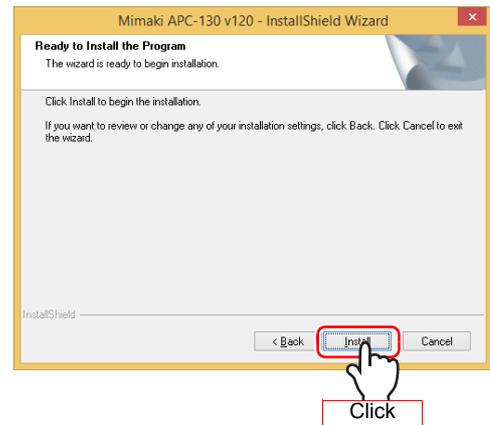
7 Select a function to install, and click **Next**.

- If you do not install PortMonitor, uncheck the box.
- You cannot install when only PortMonitor is selected.

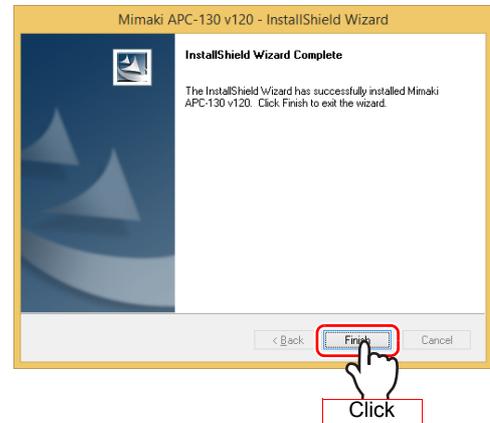


8 Click **Install**.

- Start installation.



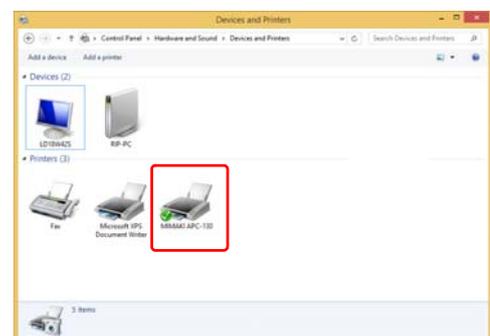
9 Click **Finish**.



10 When the installation is completed, the Printer is added to “Devices and Printers”.



- The name for “Device and Printers” varies depending on the OS.
Windows XP: Printer and Faxes
Windows 7/8: Device and Printers



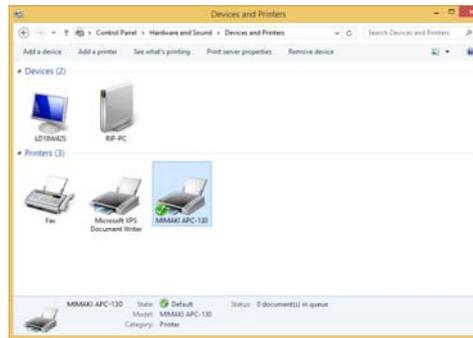
Settings of the Printer Driver

Set the printer driver depending on your usage.

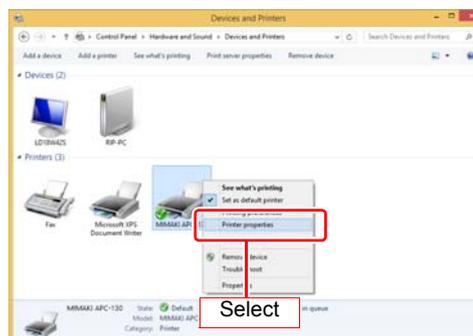
1 Open “Devices and Printers”, and select the plotter to be set.



- The name for “Device and Printers” varies depending on the OS.
Windows XP: Printer and Faxes
Windows 7/8: Device and Printers

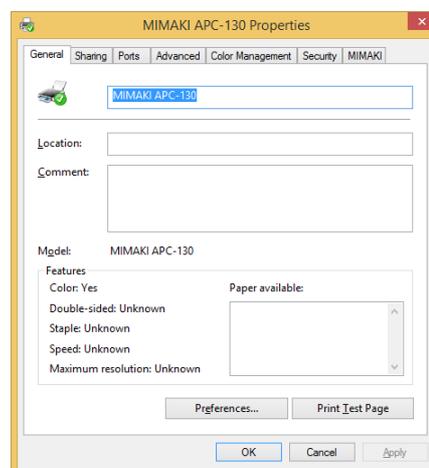


2 Click the right button of the mouse, and select “Printer properties”.



3 Properties are displayed.

- Properties have the setting tabs of the table below. Click each tab to perform/ check the setting.



| Setting tab | Outline |
|-------------------------|--|
| General | General information of the printer driver is displayed. When you click Preferences... , you can perform various setting related to printing (“Form setting_”, “Output setting_” and “Etc.”). (from P.9) |
| Sharing | Sets printer sharing. |
| Ports | Sets the output port. (P.14) |
| Advanced | Performs detailed setting related to the driver. |
| Color Management | Manages colors. (Setting is not required.) |
| Security | Performs setting related to the security. |
| MIMAKI | Displays the version information of the printer driver etc. When you click the URL, MIMAKI’s web page is displayed. |

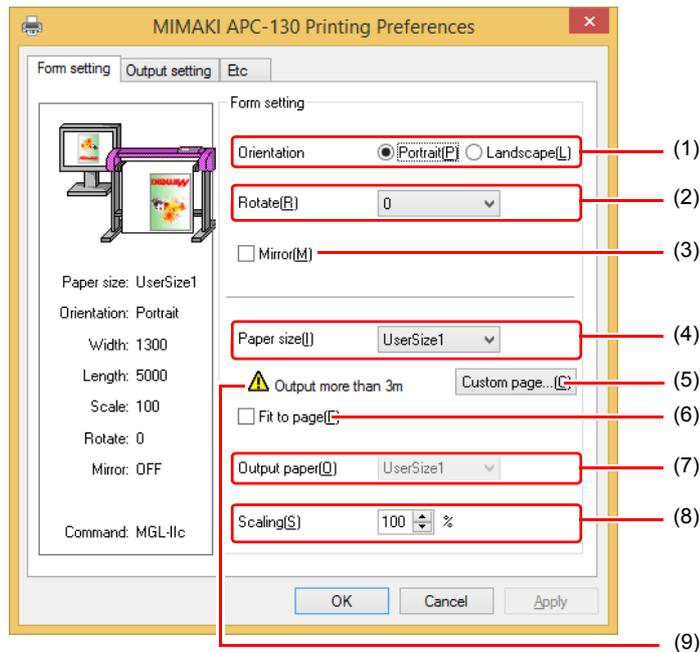
Setting the “Printing Preferences”

This chapter explains about Printing Preferences when using APC-130.

■ Form setting

1 Referring to P.8, display the “General” tab and click Preferences... .

- Display the “Form setting” tab of Printing Preferences.
- Depending on your usage, perform each setting.



(1) Orientation

Set whether to cutting the image vertically (Portrait) or horizontally (Landscape) in the paper.

(2) Rotate

Set whether to use the form vertically or horizontally.
Setting value.....0,90,180,270 (degree)

(3) Mirror

Flips horizontally and cuts.

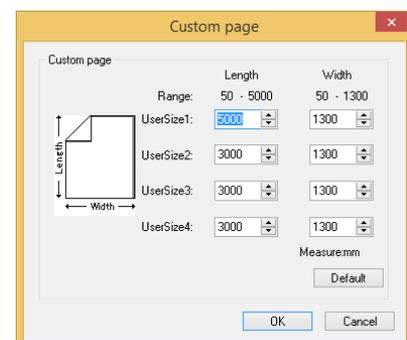
(4) Paper size

Select the paper size attached to the APC-130 or the paper size to be recognized by the application from the list box.

(5) Custom page

Enables to set up to 4 kinds of user size form.
Length 50 to 15000mm
Width 50 to 1300mm

When you click Default, the custom page you set returns to the default.



(6) Fit to page

Cuts the image scaled to the paper size.

(7) Output paper

Selection of the paper size is activated when "Fit to page" is checked.

(8) Scaling

Scaling is activated when "Fit to page" is unchecked.

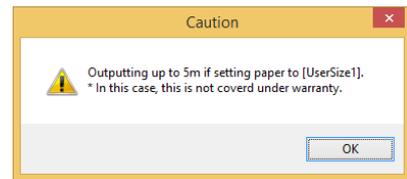
If scaling up the paper size which is larger than the paper size, the image is cut in the range of the paper size only.

(9) Output more than 3m

When this image  is clicked, a message is displayed.

If the paper is set to "UserSize1", up to 5m can be output.

However, output that exceeds 3m is not covered by warranty.

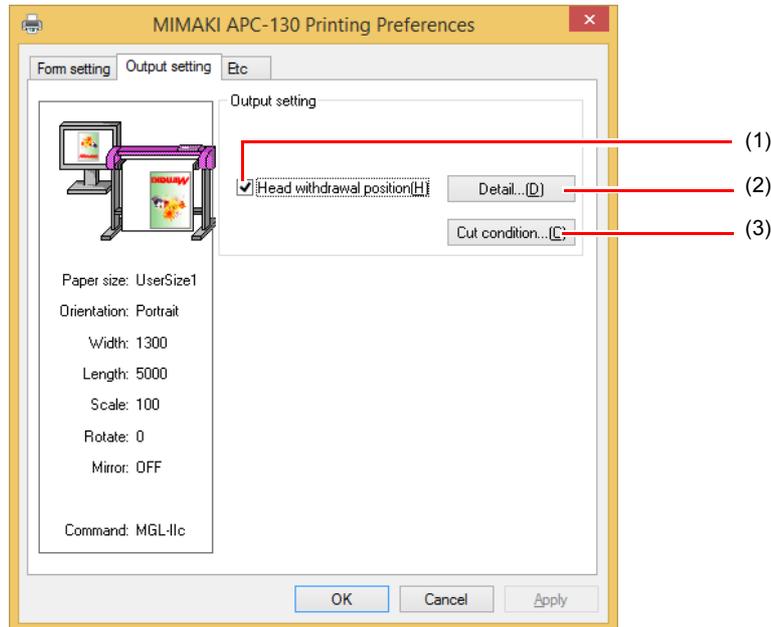


■ Output setting

1 Referring to P.8, display the “General” tab and click **Preferences...** .

2 Click “Output setting” tab.

- Depending on your usage, perform each setting.



(1) Head withdrawal position

When this is checked, the head is withdrawn to the designated position when cutting is completed.

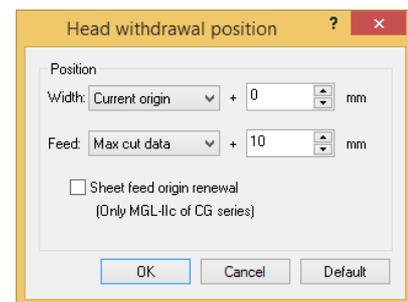
(2) Detail

Detail button is activated when "Head withdrawal position" is checked.

When you click, the head withdrawal position setting is displayed.

Width Head withdraw position against the moving direction of the head can be set. Set it in the range of (“Current origin” or “Max. cutting data”) + (0 to 100mm).

Feed Head withdraw position against the feeding direction can be set. Set it in the range of (“Current origin” or “Max. cutting data”) + (0 to 100mm).



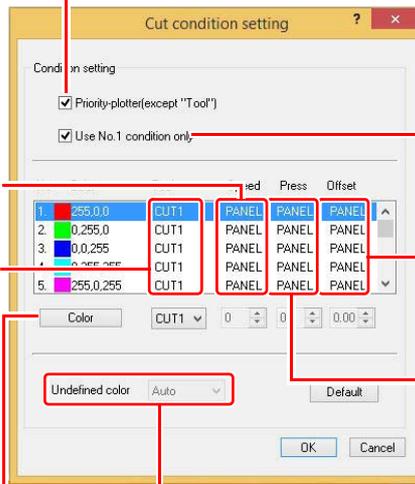
- You can set the head withdrawal position of feeding direction set here as the origin. Check “Sheet feed origin renewal”, and then click **OK** .

(3) Cut condition setting

If the command is MGL-Ic1, this setting becomes invalid.

Set the cutting speed (0 to 60cm/s).
When it is set to "0", cutting is performed at the speed set at the plotter side.

Set the tool (CUT1 to 7, PEN) to use in the plotter for the selected color.



Select this function to cut (plot) with tool specified on the driver, but the cut condition (speed, pressure and offset) is under the plotting condition.

Cutting is performed for all colors with the tool conditions set in No.1 of the list.

Set the offset value for cutting (0 to 2.50mm). When it is set to "0", it becomes the value set at the plotter side.

Set the pressure to cut (0 to 500g). When it is set to "0", cutting is performed with the pressure set at the plotter side.

- Auto** : Cuts with the tool condition right before cut.
- Pass** : Does not cut the indicated color.
- 1 ~ 40** : Cuts with the specified tool condition of the list No.

If there is no color to select in the list, click this button to change the color needed.



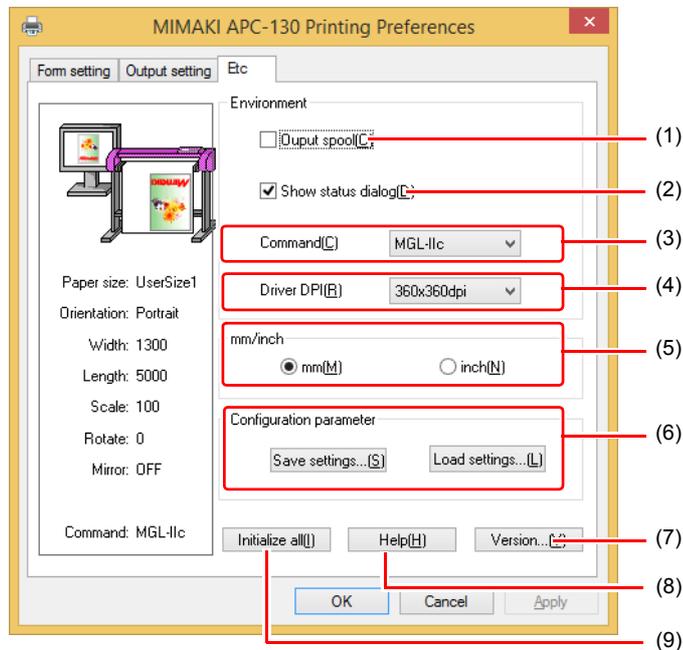
- When you return the changed value to the default, click **Detail** and then click **OK**.

■ Etc

1 Referring to P.8, display the “General” tab and click **Preferences...** .

2 Click “Etc” tab.

- Depending on your usage, perform each setting.



(1) Output spool

When the processing by the driver is slow, you may output at a high speed after spooling the output command on the hard disk.



- The spool folder is set using the following procedure.
Windows XP: [Printers and Faxes] - [File] - [Server Properties] - [Advanced]
Windows 7/8: [Select either printer icon in Device and Printers] - Click [Print server properties] - [Print Server Properties] dialog box - [Advanced] tab

(2) Show status dialog

Displays the progress of the driver output process.

(3) Command

Make the setting same as “Command changeover” of plotter.

(4) Driver DPI

Sets the resolution of the driver.



- When the cut quality is coarse or when small letters are cut, select 720 x 720 dpi.

(5) mm/inch

Changes the unit of the length (mm/inch).

(6) Configuration parameter

Output..... Saves the specified setting values of the driver.

Input Reads the setting file saved and changes the driver setting values.

(7) Version

Displays version information of the printer driver.

(8) Help

Displays Help.

(9) Initialize all

Initializes all the setting values.



Set the output port

■ When you connect the PC with the plotter via USB interface cable

1 Install “Mimaki driver” in your PC.

- The “Mimaki driver” is included in the manual CD attached to APC-130. Otherwise download the Mimaki driver, check “Driver / Utility” on the download page at Mimaki Engineering (<http://eng.mimaki.co.jp/download/>).

2 Connect your PC with plotter with a USB cable and turn on the power.

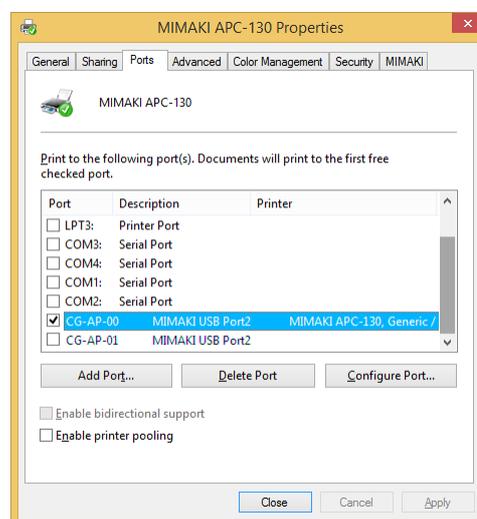
3 Referring to P.8, select the “Ports” tab.

4 Select output port.

- When you connect multiple plotters with the PC, select different ports.

Important!

- When you connect multiple plotters (same device type) with the PC, set different device No. for each plotter in “USB device No. setting” of the plotter. If you set the same device No. to multiple plotters, the ports cannot be displayed.



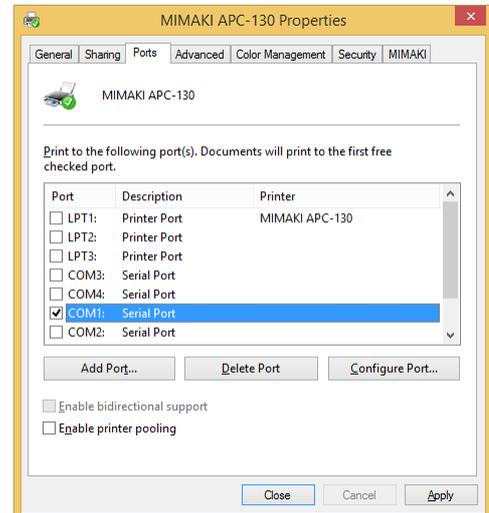
■ When you connect the PC with the plotter via RS-232C interface cable

1 Connect your PC with plotter with a RS-232C cable and turn on the power.

2 Referring to P.8, select the “Ports” tab.

3 Select output port.

- When you connect multiple plotters with the PC, select different ports.

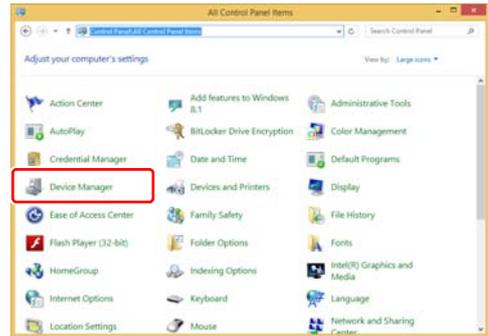


■ Connecting same model multiple plotters

1 Open “Devices and Printers” from control panel.

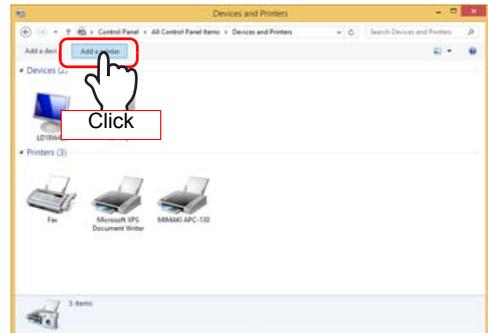


- The name for “Device and Printers” varies depending on the OS.
Windows XP: Printer and Faxes
Windows 7/8: Device and Printers

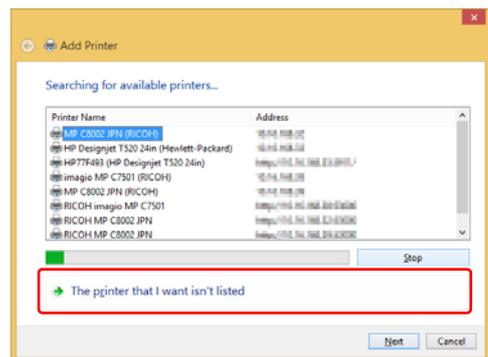


2 Click “Add a printer”.

- Add Printer Wizard opens.



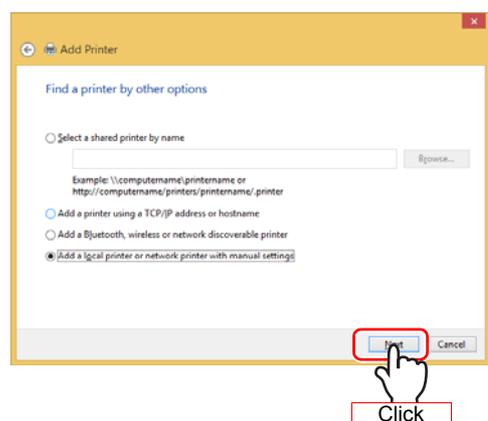
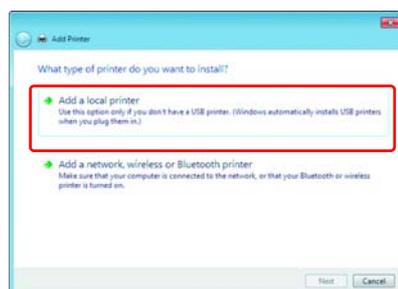
3 Click “The printer that I want isn’t listed”. (Only for Windows 8/8.1)



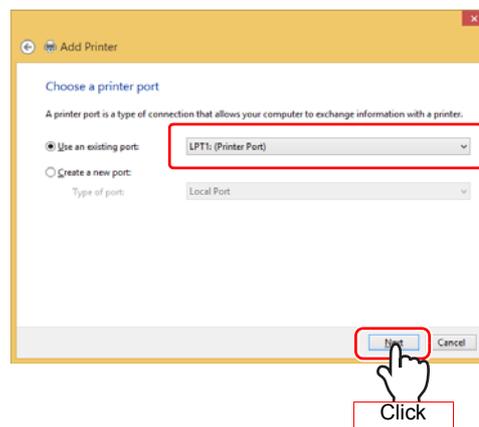
4 Select “Add a local printer or network printer with manual settings”, and click **Next**. (For Windows 8/8.1)



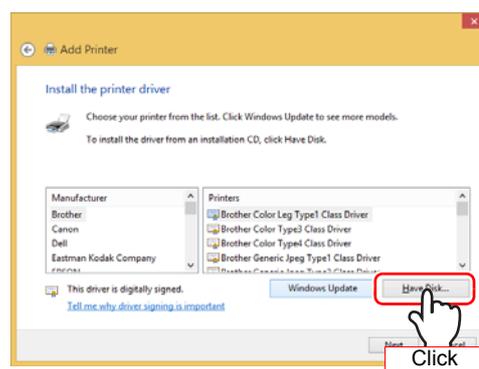
- For Windows XP/7, select “Add a local printer”.



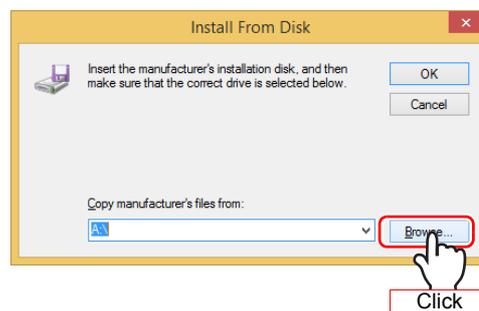
5 Select the printer port, and click **Next**.



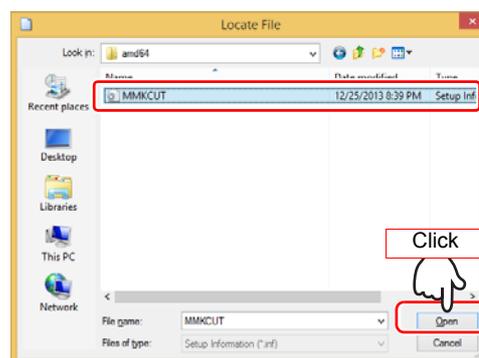
6 Click **Have Disk...**.



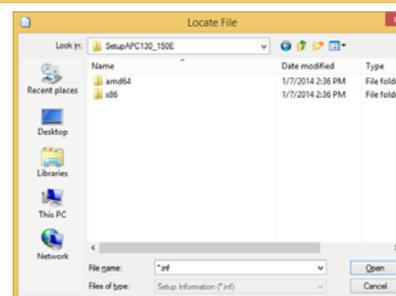
7 Click **Browse...**.



8 In the folder you opened during installation(P.6), select [MMKCUT.inf], and click **Open**.

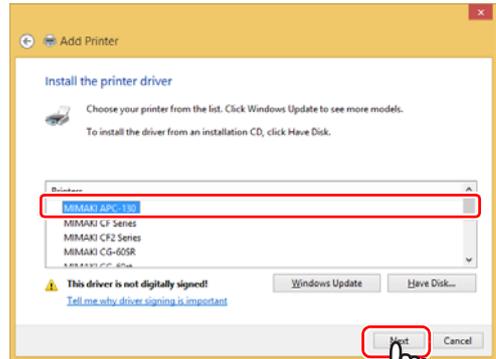


- If you're using Windows 7/8
For the 32-bit version, use the [MMKCUT.inf] in the "x86" folder.
For the 64-bit version, use the [MMKCUT.inf] in the "amd64" folder.



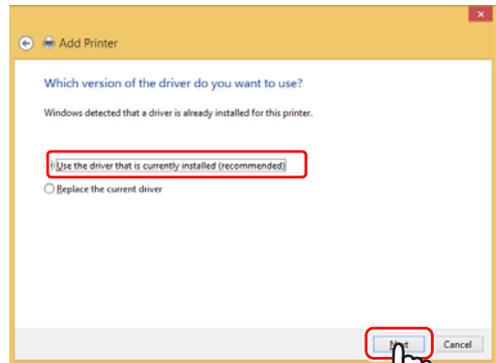
9 Click **OK**.

10 Select the printer to install, and click **Next**.



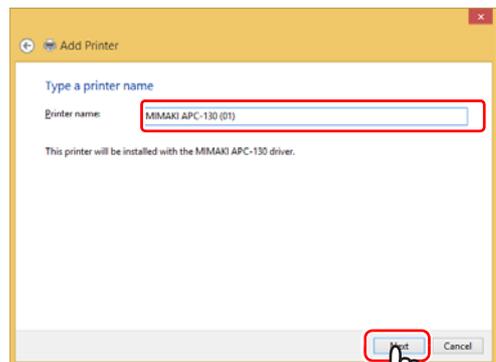
Click

11 Select “Use the driver that is currently installed(recommended)”, and click **Next**.



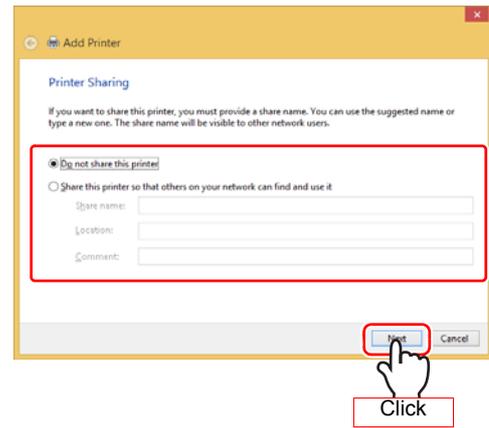
Click

12 Supply a printer name, and click **Next**.

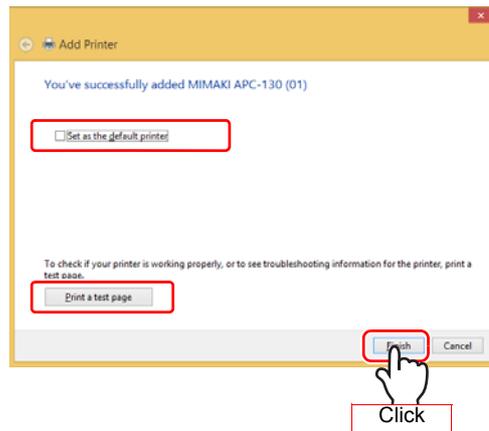


Click

13 Select the “Printer Sharing”, and click **Next**.



14 Setup the “Set as the default printer” and “Print a test page”, and click **Finish**.



- You can check the added printer in “Devices and Printers”.
- The name for “Device and Printers” varies depending on the OS.
Windows XP: Printer and Faxes
Windows 7/8: Device and Printers

