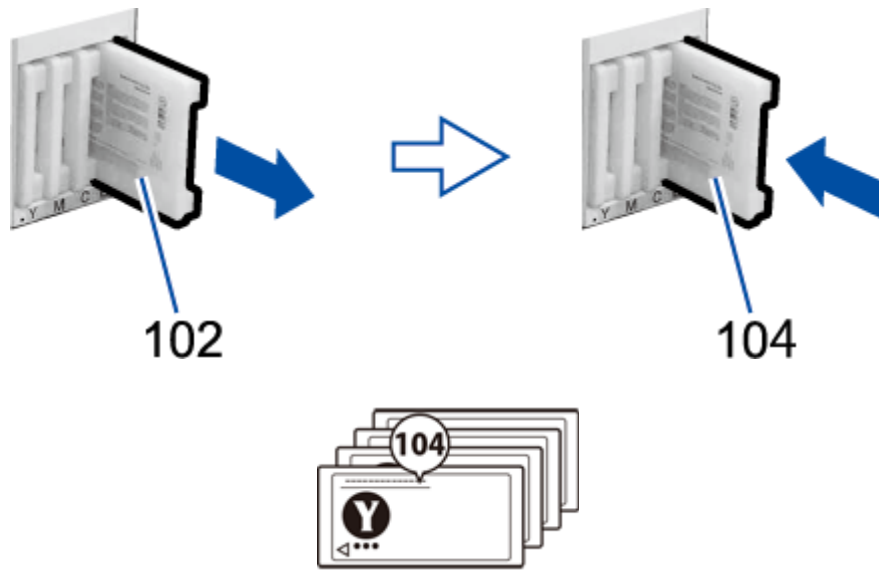


Inkjet Printer-Ink Replacement Instructions



Epson has discontinued the current line of ink used in our printers. We will begin a transition to using a new Epson ink cartridge/formula gradually over the next two years. The ink type will change from 102 to 104

This means running a simple update and ink swapping procedure to accommodate the new ink formula on all our printers. Noritsu QSS equipment affected by the ink change are models QSS-D703, D1005 and Green Series Inkjet equipment.

The D502 and D701 will not be compatible with the new ink

1.0-Important notes before starting the ink replacement operation	3
1.1-Necessary items for the ink replacement operation	4
1.2-Print the Nozzle check pattern	5
1.3-Saving the backup data of the printer	6
1.4-Verifying the Waste Ink Tank Usage Rate	7
1.5-Remote Desktop Connection to the Printer PC	8
1.6-Downloading the file on the EZ-Controller Computer.	10
1.7-Install the maintenance software of the printer	12
1.8-Copying the files to InkChangeWizard Folder	14
2.0-Procedures for InkChangeWizard	15
2.1 Install the Profile Data.	19
2.2-Install the Image Processing Module	21
2.3-Install the Printer Software	23
2.4-You're about to be signed out	25
2.5-Start remote desktop connection	26
3.0-Ink Cartridge Replacement	28
3.1-Print the Nozzle check pattern	31
3.2-Nozzle check is not missing lines	32
3.3-Missing lines on Nozzle Check	33
Ink Replacement of another Printer.	34
Troubleshooting	36
Printer to perform the ink replacement cannot be selected.	36
Next button is grayed out.	36
Printer that requires ink replacement is not displayed	37
Downloading the file on another Computer with Internet Access.	38
Unzipping the File	39
7ZIP	42
Type of System	43
Glossary	44

1.0-Important notes before starting the ink replacement operation

The operation is expected to take approximately 1 hour per printer. Please allocate sufficient time for the replacement work. Once the operation has been initiated, it is important to ensure that it is not interrupted until completion.

[Print a Nozzle check pattern](#) and make sure all is normal.

[Verifying the Waste Ink Tank Usage Rate](#)

If you encounter the following attention messages on the screen: "NO.02156: Waste ink is nearly full" or "NO.02157: Waste ink is full," the ink replacement work cannot be performed. You can check the usage rate of the waste ink by going to the Printer Operation Information display.

[Remote Desktop Connection](#)

If your system includes a Printer PC, please ensure that the Operation PC can establish a Remote Desktop Connection with the Printer PC in advance.

1.1-Necessary items for the ink replacement operation

New Ink Cartridges 104

H086162-00- Ink Cartridge 104 BK

H086163-00- Ink Cartridge 104 C

H086164-00- Ink Cartridge 104 M

H086165-00- Ink Cartridge 104 Y

Software

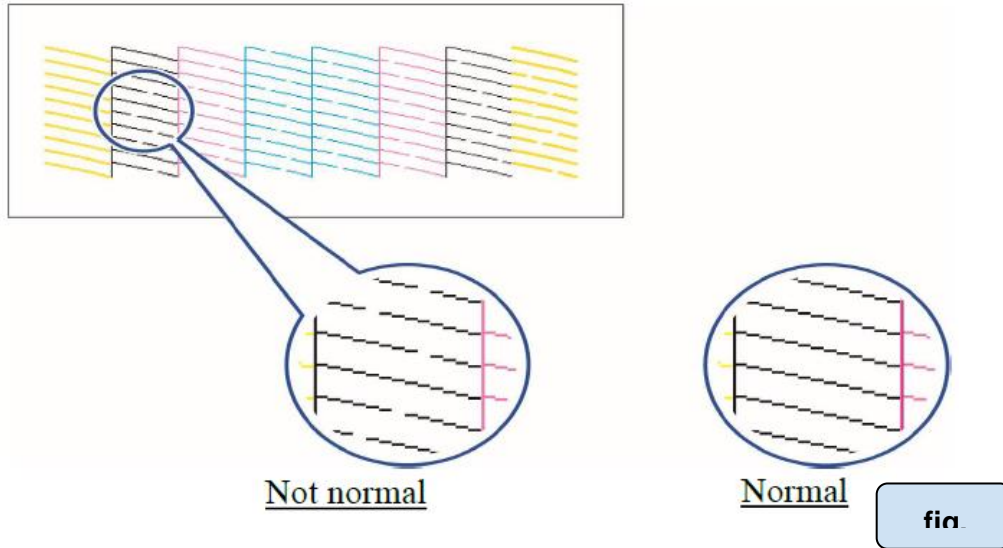
You will be able to download the software via a web link that you will receive by email.

Program Name	System Program Kit		Image Processing Module	Profile Data
	Model	Part Number		
D703	Z040093-01	8.00	Z040227-01 / Ver 3.00	Z040125-01 / Ver N5.00
D1005	Z040101-01	9.00		
QSS Green	Z040117-01	6.00		
QSS Green II	Z040107-01	6.00		
QSS-Green III	Z040112-01	2.00		
QSS-Green IV	Z040122-01	3.00		

1.2-Print the Nozzle check pattern

Print the Nozzle check pattern, confirm there are **no clogged nozzles** or **smudges**. See (fig.1)

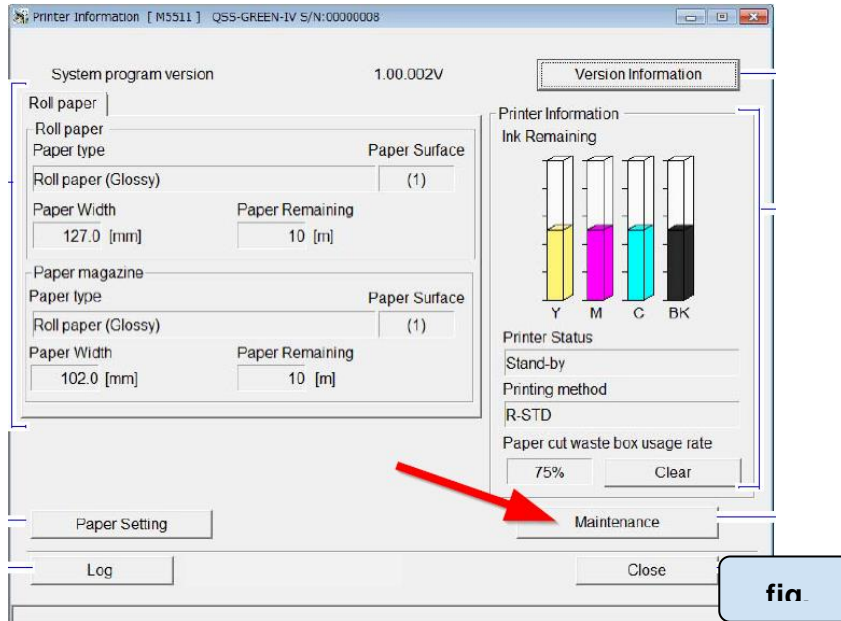
If you have multiple printers, please connect to each printer and perform the nozzle check pattern



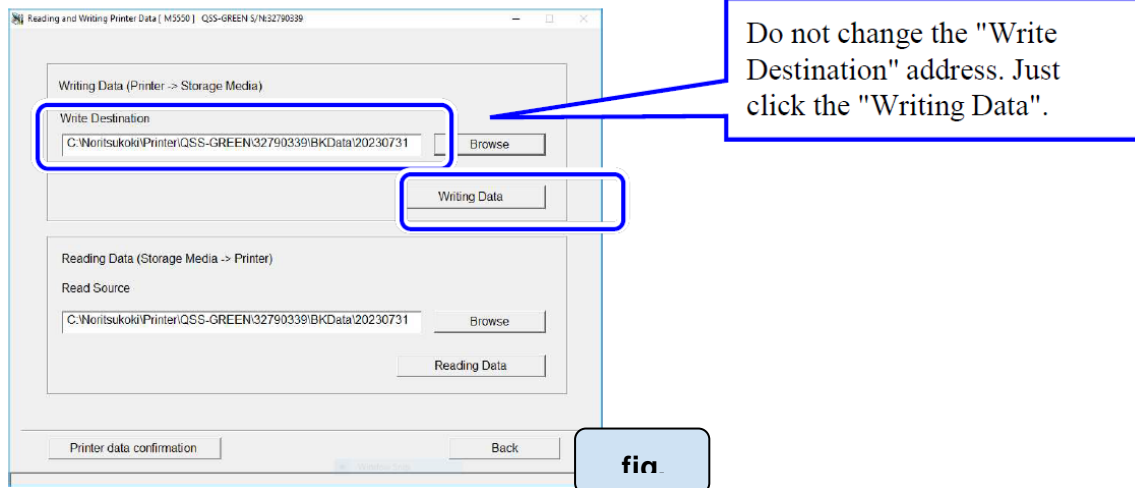
Important
Do not perform the ink replacement procedure
if there is a clogged nozzle or smudges
on going issues with the printhead
Please call 1-888-435-7448 for service

1.3-Saving the backup data of the printer

From the Controller Main Display - Click F - Management Tool - System management - Printer setting - Select the printer in question - Click Maintenance (fig.2)



From the Printer Information display click on Maintenance - Extension - Maintenance - Reading and Writing Printer Data (fig.3)



Click "Writing Data" to save the backup data.

If you have multiple printers, please perform this step for each printer

After saving the backup data, close the Maintenance Software and go back to the EZ Controller screen.

1.4-Verifying the Waste Ink Tank Usage Rate

From the Controller Main Display - Click F - Management Tool - System management - Printer setting - Select the printer in question - Click Maintenance - from the Printer Information Display click on Maintenance - Extension - Maintenance - Printer Operation Information (fig. 4)

If you have multiple printers, please perform this step for each printer

Error Record

	Number	Date & Time	Operation Information
000	07119	2007/07/30 13:01	Printer Door is open.
001	07119	2007/07/25 16:20	Printer Door is open.
002	07119	2007/07/25 11:51	Printer Door is open.
003	07129-00001	2007/07/24 19:09	Printhead Paper Sensor error.
004	07120-00002	2007/07/24 19:08	Paper has jammed in the printer section.
005	07120-00002	2007/07/24 19:07	Paper has jammed in the printer section.
006	07120-00002	2007/07/24 19:06	Paper has jammed in the printer section.
007	07120-00002	2007/07/13 13:35	Paper has jammed in the printer section.

Deletion of Recorded Data

Number of Head Cleanings 51times Deletion of Recorded Data

Total Print Counts 251 prints Deletion of Recorded Data

Total Print Counts 2 0 prints

Waste ink tank usage rate 52% Deletion of Recorded Data

Waste box usage rate 26% Deletion of Recorded Data

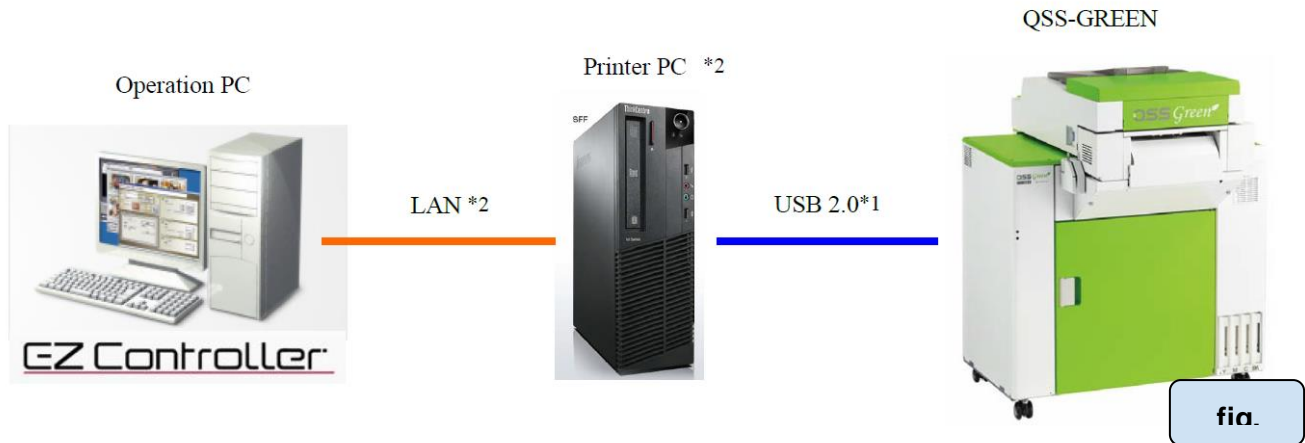
File Output Back

fin

Important
If the waste tank is at 80%
Please call 1-888-435-7448 for service

1.5-Remote Desktop Connection to the Printer PC

If you have a d703, Green or Green IV, you may have a Printer PC.
One method to verify is you will have one Operation PC (the Ez-Controller software is installed).
From the Operation PC to the Printer PC, there will be a LAN / network cable.
The Printer PC is connected to the d703, Green or Green IV with a USB cable.
Note the Printer PC will not have a monitor, keyboard or mouse. (fig. 5)



On the Operation PC, you should have Remote Desktop Connection

If you have a Windows 7 PC,
Click on Start - All Programs - Accessories - Remote Desktop Connection (fig.6)

Type in the IP address of the Printer PC



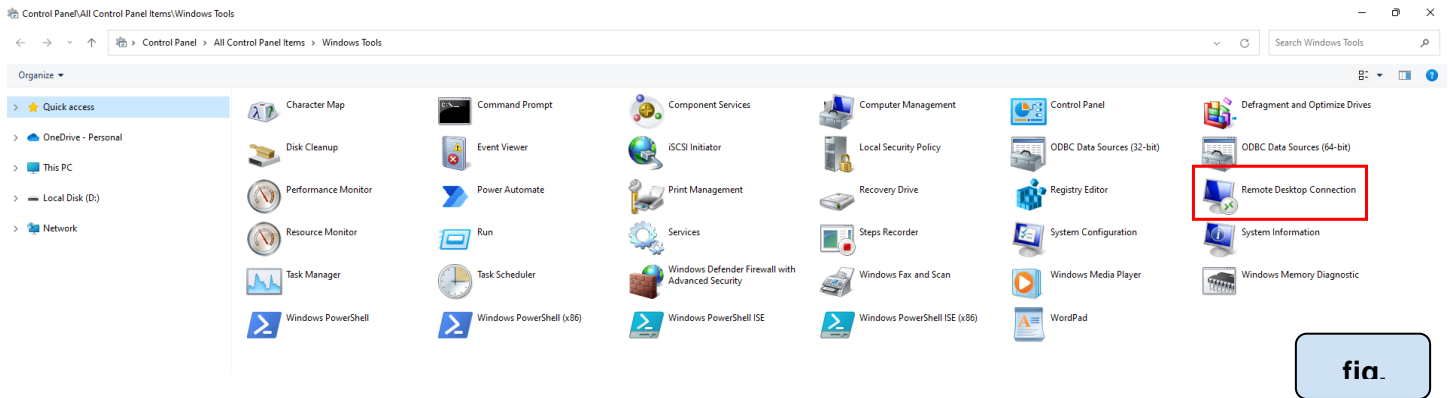
When prompted for the username and password enter

Username: Administrator
Password is 999999 or 2260

1.5-Remote Desktop Connection to the Printer PC - continued

If you have a Windows 10 or 11

Click on the Windows Icon - All Apps - Windows Tools (fig. 7)



Type in the IP address of the Printer PC (fig. 8)



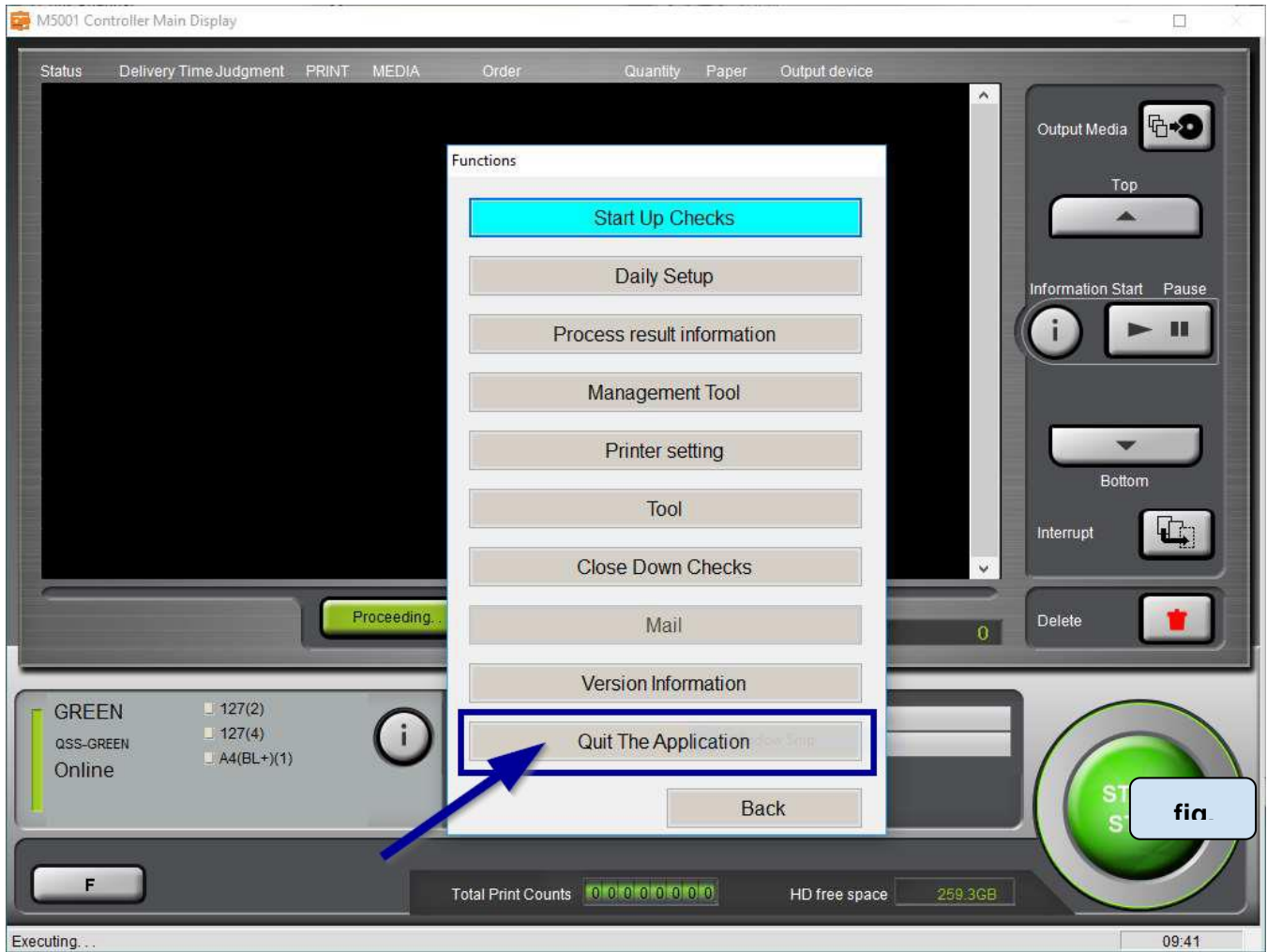
When prompted for the username and password enter

Username: Administrator

Password is 999999 or 2260

1.6-Downloading the file on the EZ-Controller Computer.

From the Main, click on F - Quit the Application (fig.9)



1.6-Downloading the file on the EZ-Controller Computer. - Continued

You will receive a link to download the software.

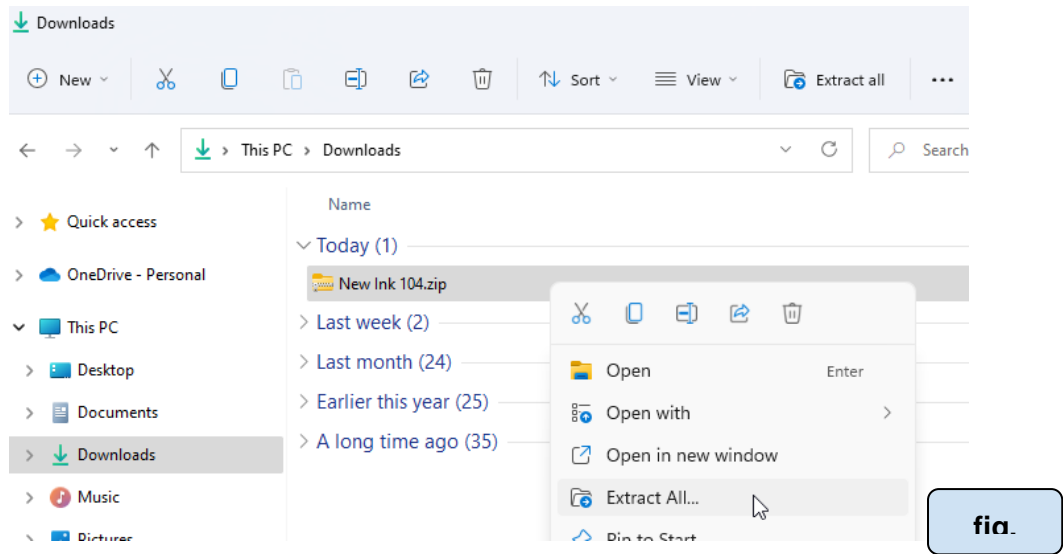
If your EZ-Controller computer has internet access, download the zipped file.

[If the EZ-Controller computer does not have internet access please follow these instructions.](#)

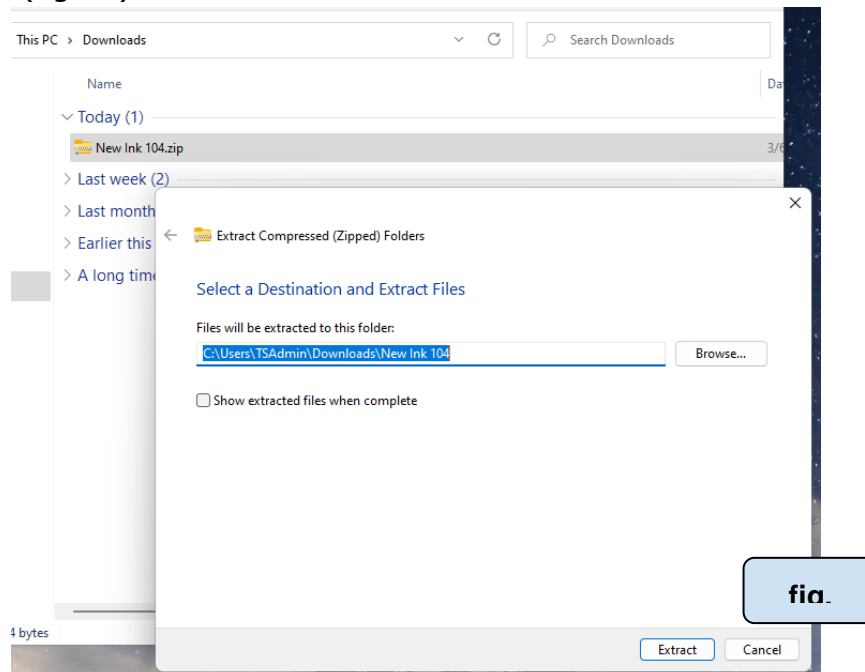
Your browser will most likely save the zipped file in the Download folder.

If you have changed settings for the download folder, navigate to the folder you have assigned the browser to save the files.

Right click on the zipped file and select Extract All...(fig.10)



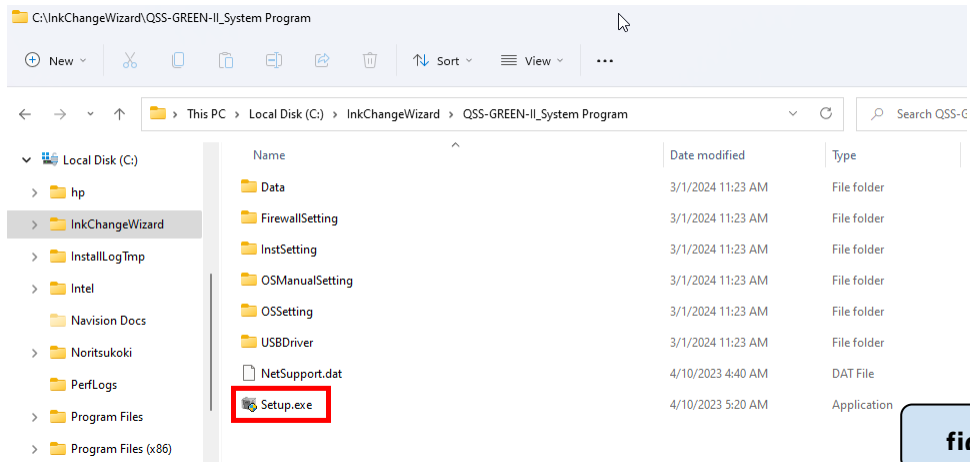
Let the built in Windows compression application extract the files in the same location where you saved the zipped file. (fig.11)



1.7-Install the maintenance software of the printer

In this example we will install the maintenance software of the printer
Navigate to the folder where you have unzipped the files.
Locate the (Your printer)_System Program

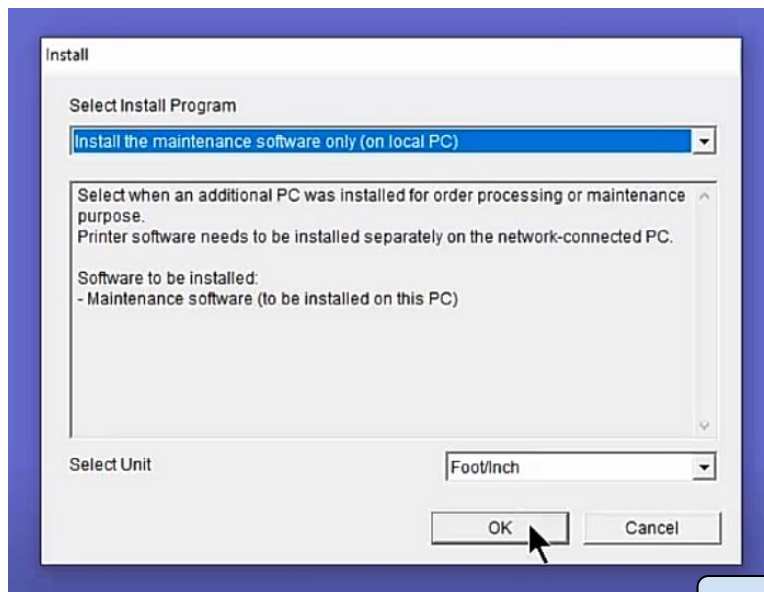
In the (Your printer)_System Program locate the Setup.exe file and double click on it. (fig.12)



At the screen below make sure you select:

Install the maintenance software only (on the local PC)

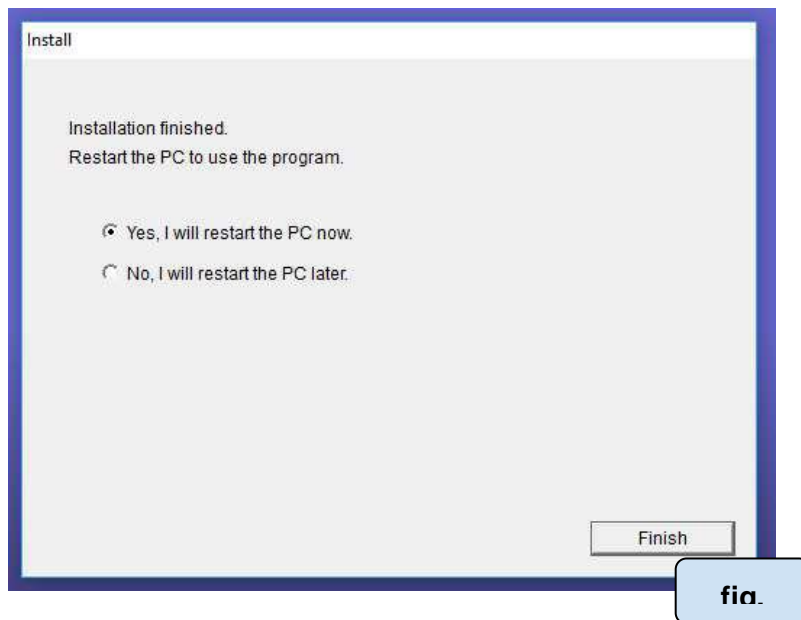
You can also Select Unit measurement from the drop down option, either Foot/Inch or Meter (fig.13)



1.7-Install the maintenance software of the printer - Continued

Follow the instructions on the screen and proceed with the installation.

Once the installation is complete, select "YES, I will restart the PC now." and click "Finish". (fig.14)



1.8-Copying the files to InkChangeWizard Folder

Once the computer restarts, quit the EZ-Controller software again.
From the Main, click on F - Quit the Application

Now navigate to the folder that you unzipped
Select the ImageProcessingModule_DiskImage, ProfileData_DiskImage, and (Your printer)_DiskImage and copy all the folders, you can also press Ctrl+C on the keyboard. (fig.15)

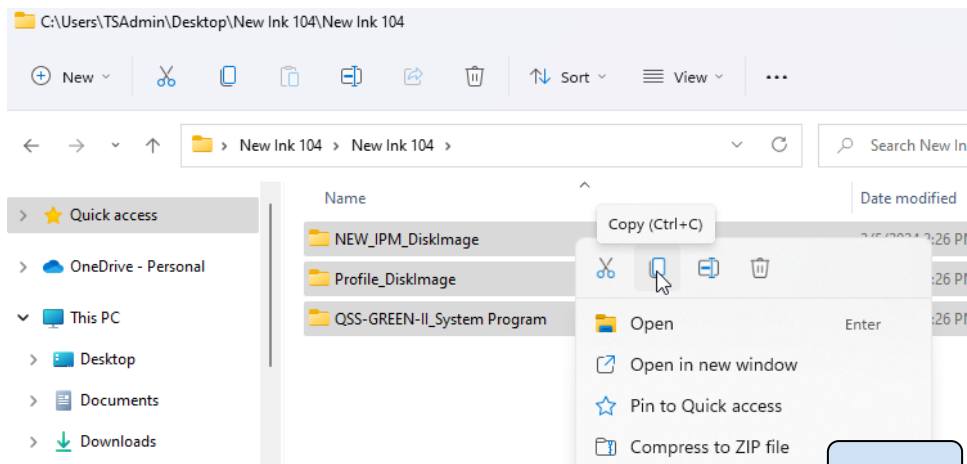


fig.

Once copied, navigate to
This PC-Local Disk (C)-Noritsukoki-Printer-InkChangeWizard.
Right click in the window and select Paste, you can also press Ctrl+V on the keyboard. (fig.16)

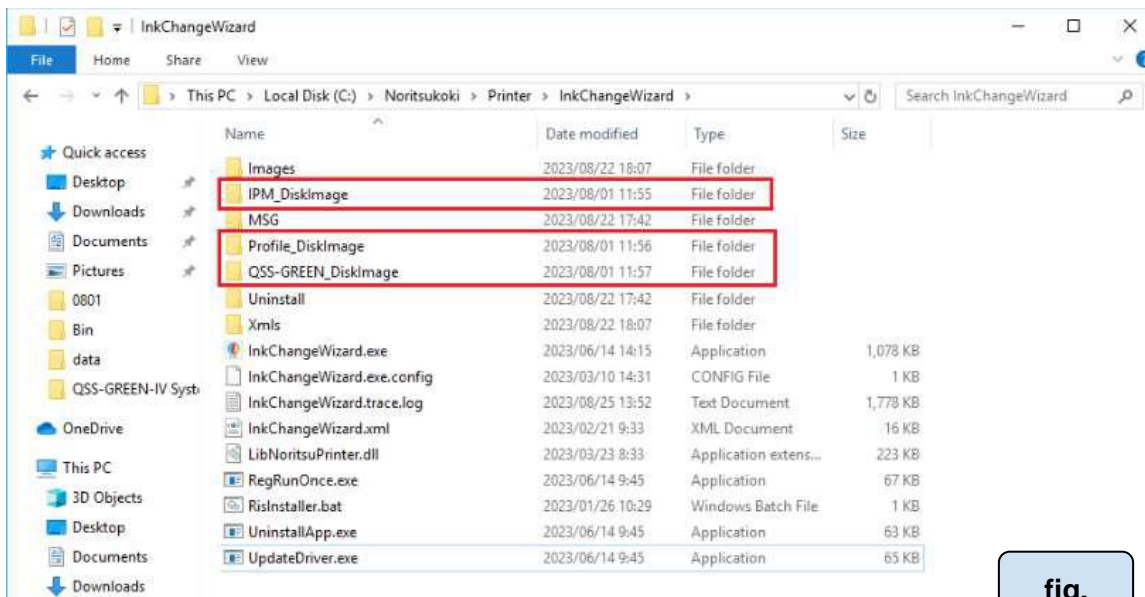
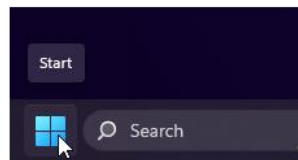
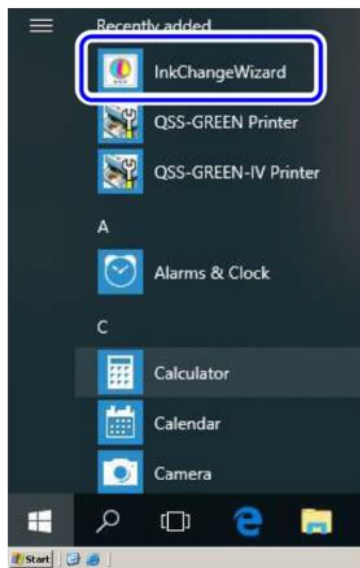
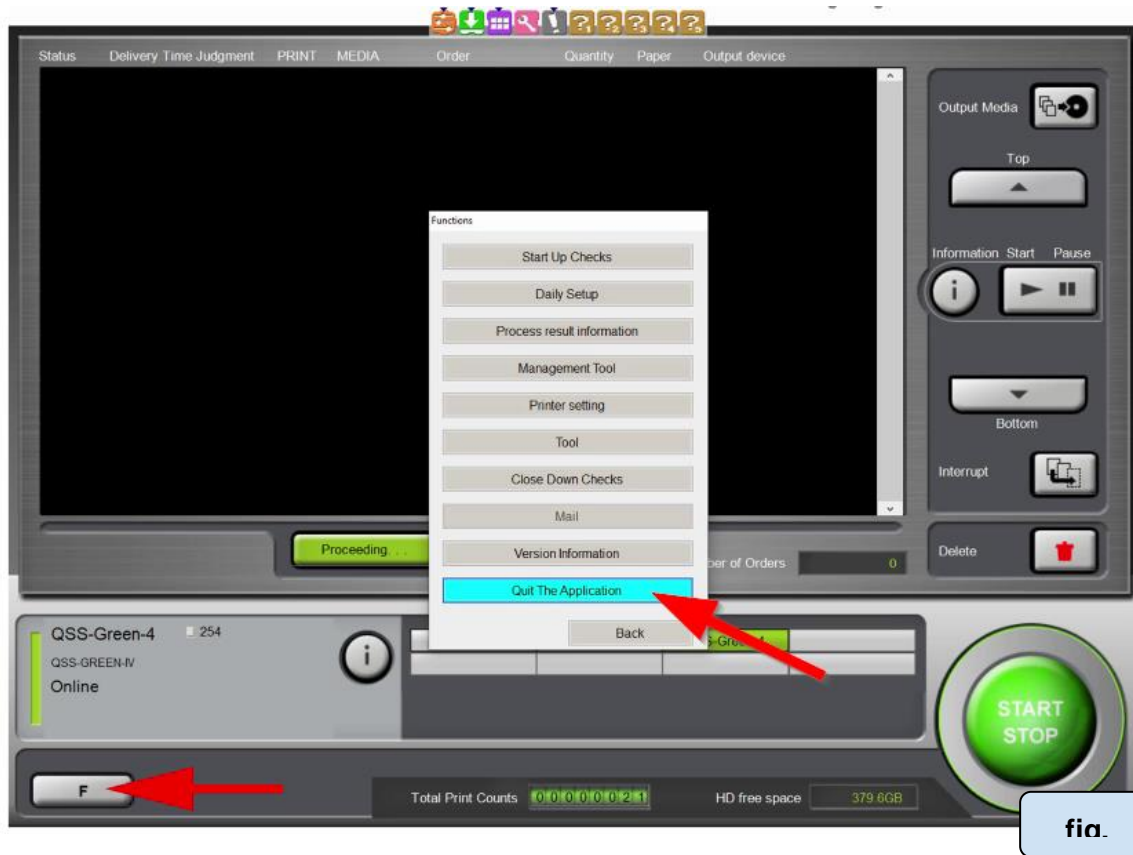


fig.

2.0-Procedures for InkChangeWizard

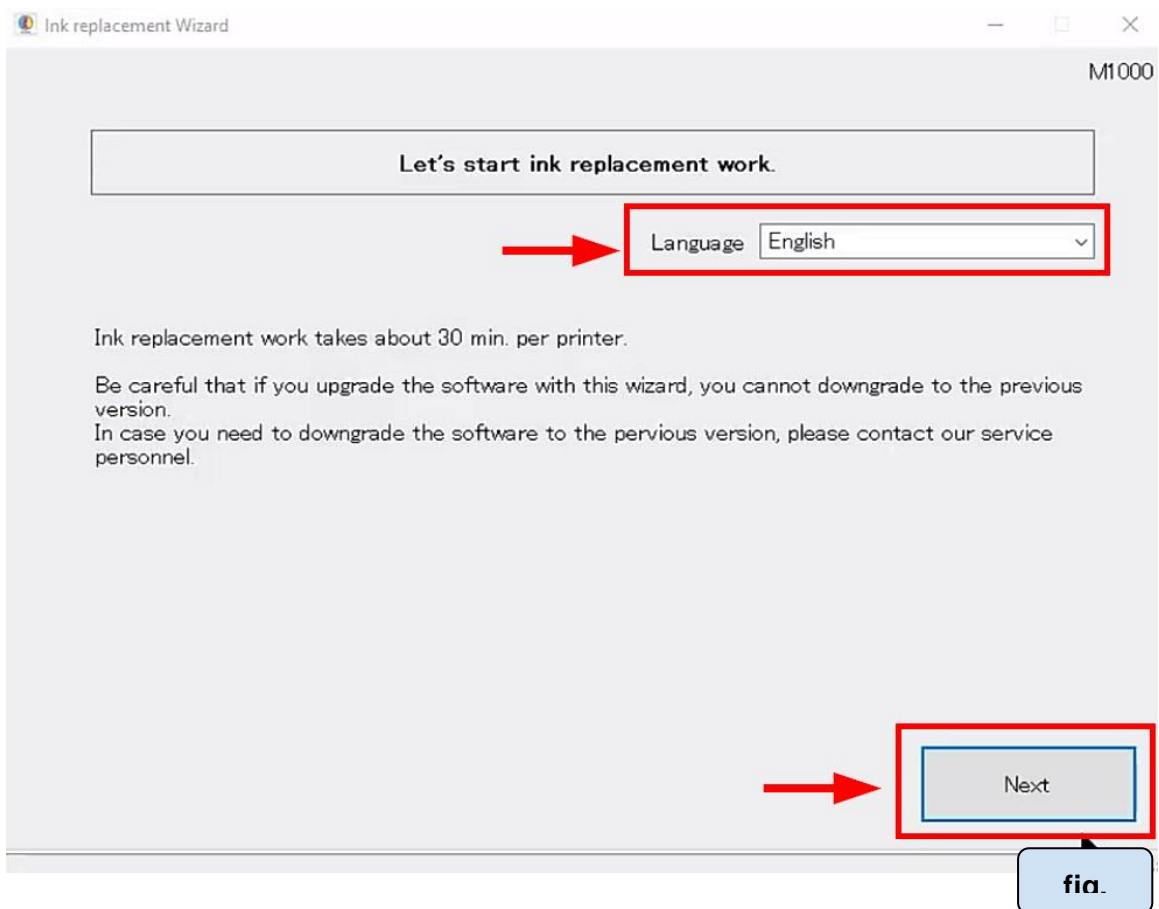
Once the Operation PC restarts, quit the EZ-Controller software again. (fig.17)



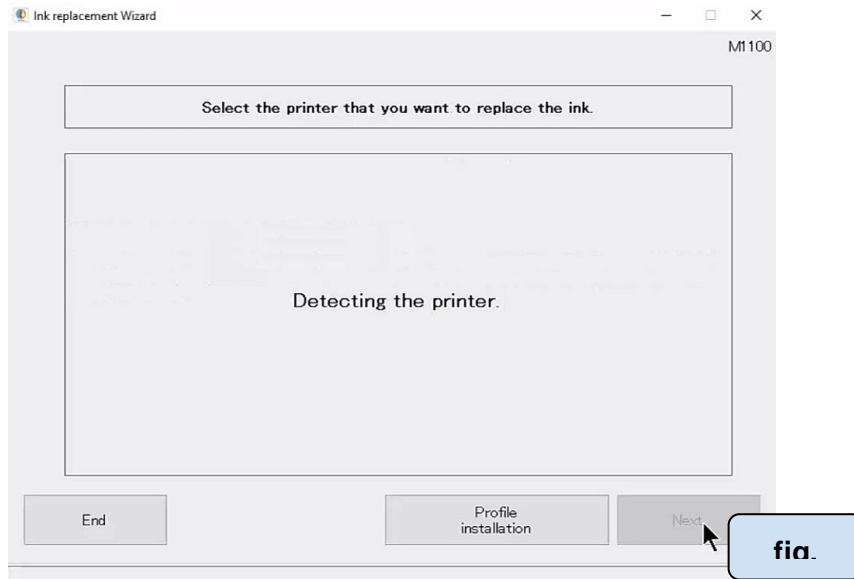
Click the Start or the Windows Icon on the taskbar.
Select the InkChangeWizard icon. (fig.18)

fin.

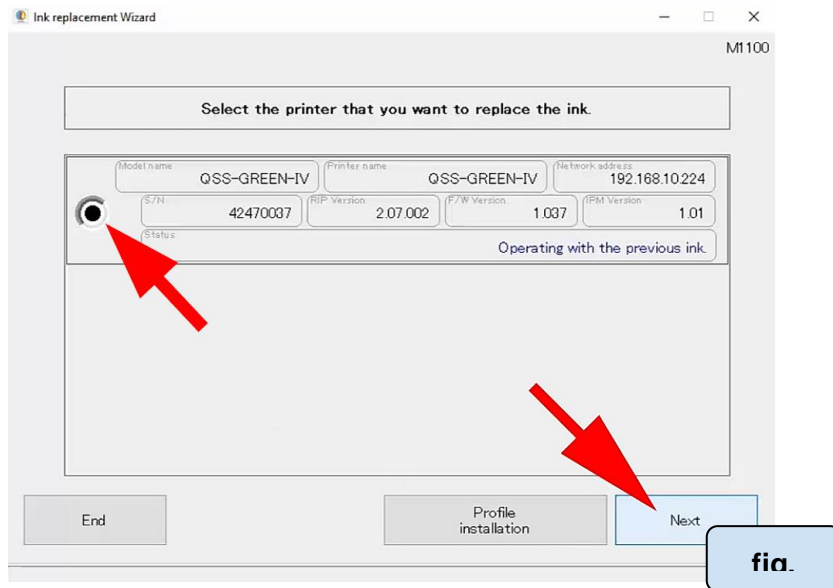
- 1 Select the language of your choice
- 2 Press Next (fig.18)



The InkChangeWizard will detect your printer. (fig.19)

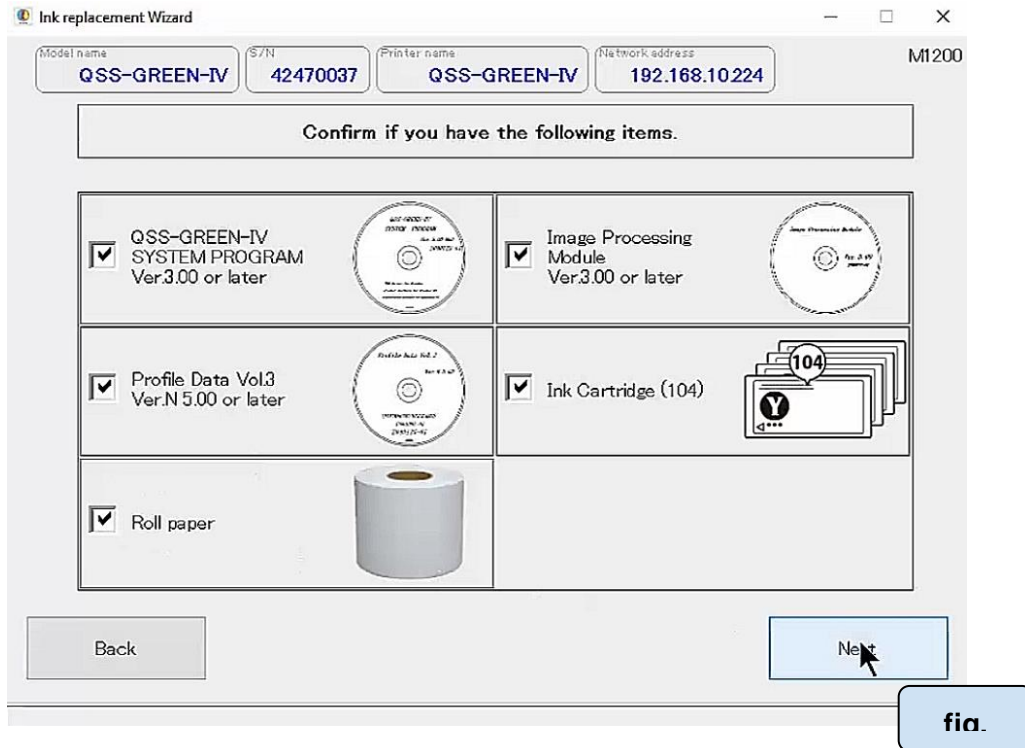


Once the InkChangeWizard detects your printer
Choose the printer for ink replacement and proceed by pressing Next. (fig.20)



2.0-Procedures for InkChangeWizard - Continued

Once this display appears, place a check mark on the items and press next. (fig.21)



2.1 Install the Profile Data.

Confirm the following screen appears, you should see *Insert Profile Data Vol3 CD later than Ver5.00 to Disk drive and close the tray.*

Note if you copied the files to C:\Noritsukoki\Printer\InkChangeWizard folder, the illustration depicting CD insertion/removal serves as a visual aid only.

Click "Next". (fig.22)



fig.

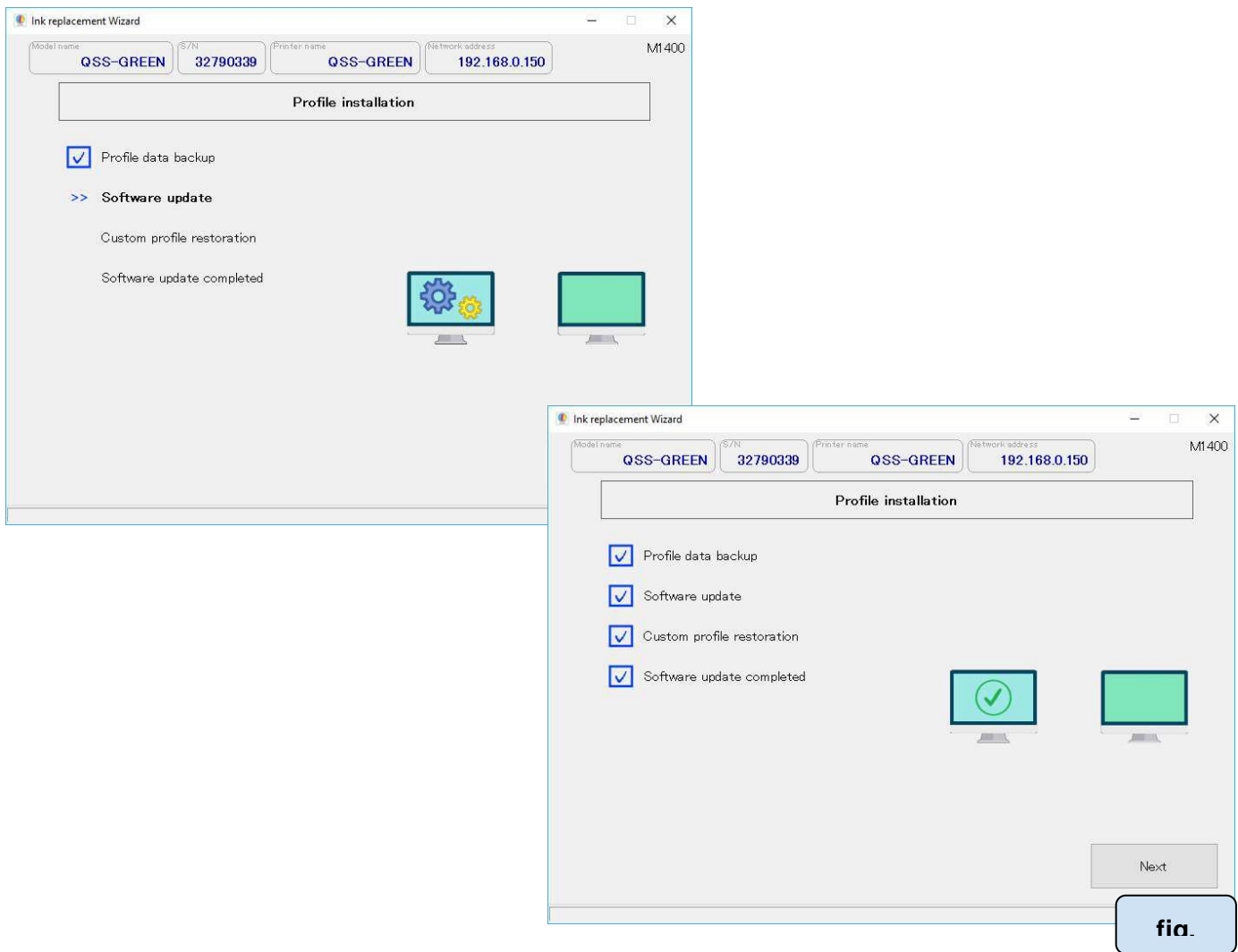
Attention if you have not copied the

- **ImageProcessingModule_DiskImage**
- **ProfileData_DiskImage**
- **(Your printer)_DiskImage**

**To the C:\Noritsukoki\Printer\InkChangeWizard folder of your operation PC
You will not be able to press the Next button**

2.1 Install the Profile Data. - Continued

The Profile installation will occur.



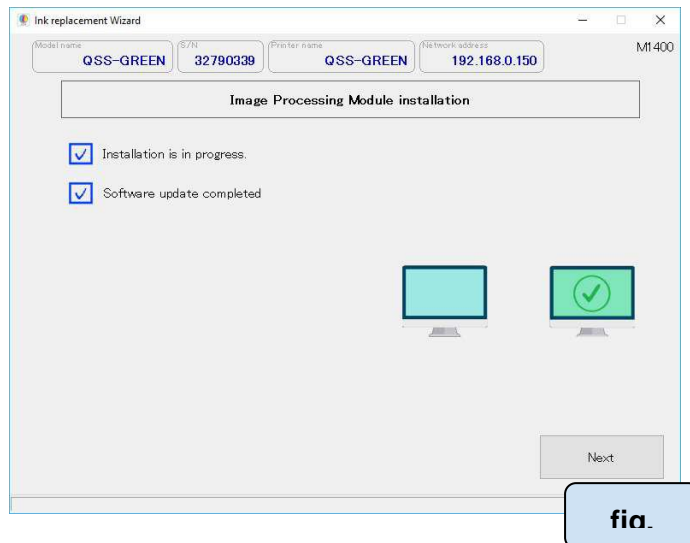
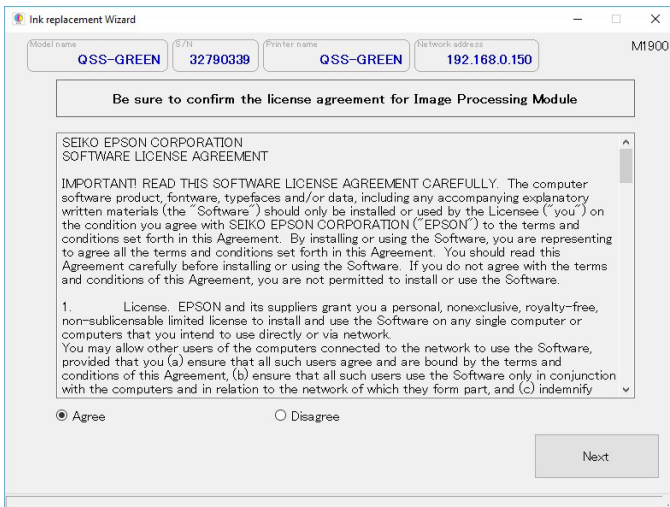
Once the installation is complete press Next (fig.23)

2.2-Install the Image Processing Module

Confirm the following screen appears, it should indicate *Insert CD later than Image Processing Module Ver3.00 to Disk drive and close the tray.*

Note if you copied the files to C:\Noritsukoki\Printer\InkChangeWizard folder, the illustration depicting CD insertion/removal serves as a visual aid only.

Click Next (fig.24)

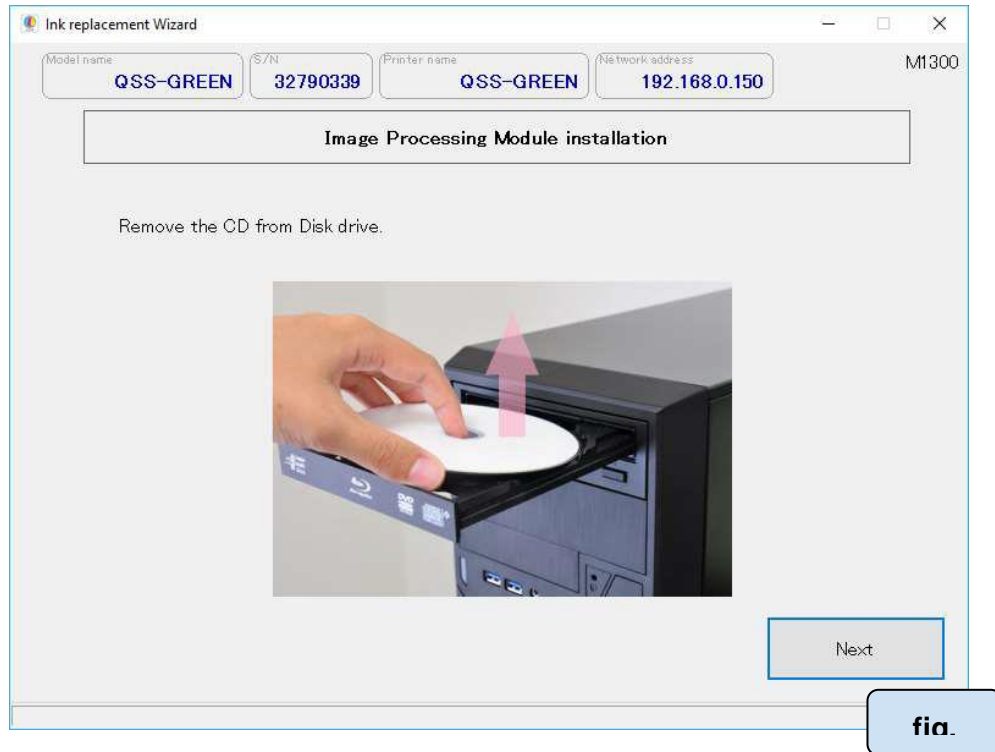


Select "Agree" and click "Next". Follow the instructions on the screen. (fig.25)

Once the Image Processing Module is installed, this screen should appear.
Remove the CD from Disk drive.

Note if you copied the files to C:\Noritsukoki\Printer\InkChangeWizard folder, the illustration depicting CD insertion/removal serves as a visual aid only.

Click the Next button(fig.26)

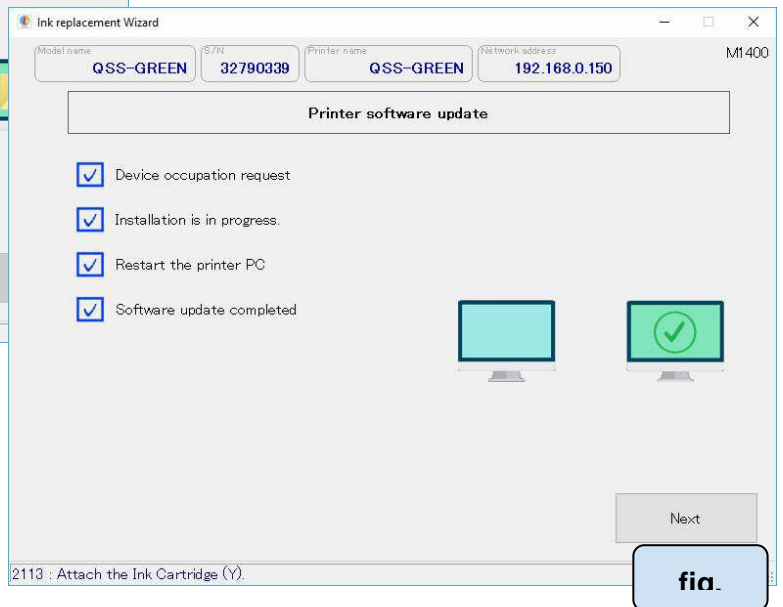
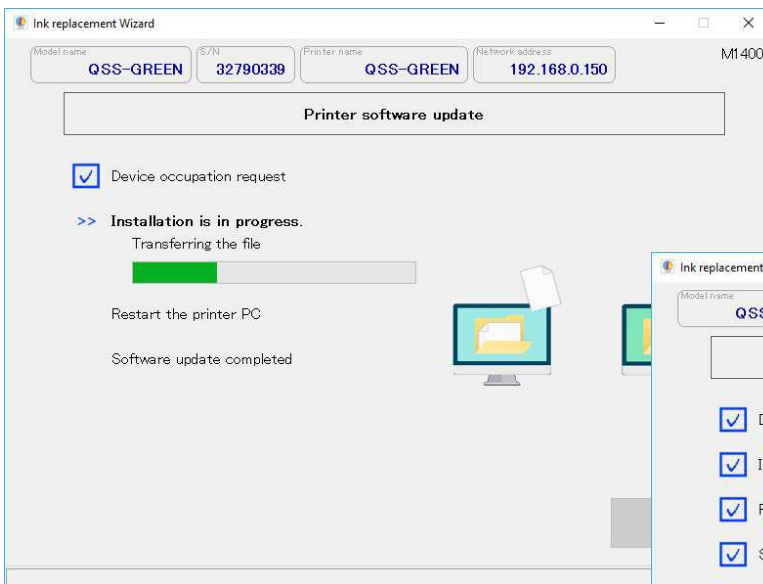
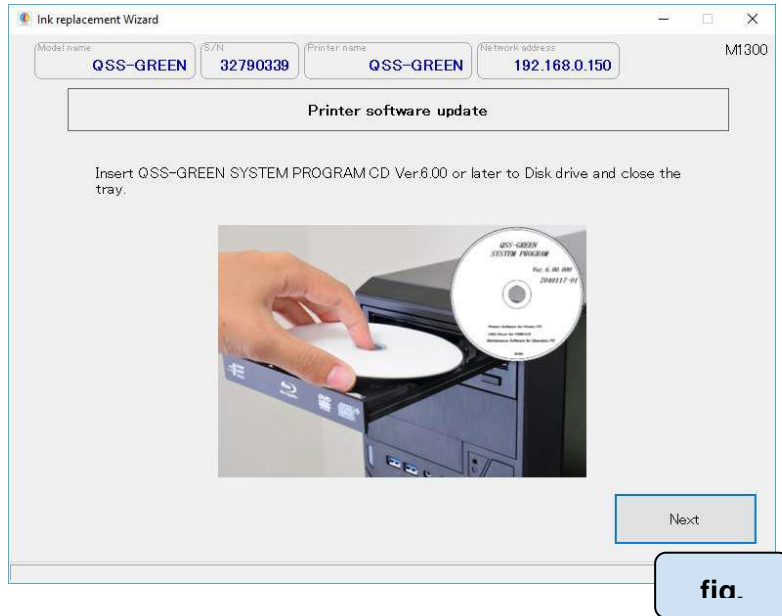


2.3-Install the Printer Software

The following screen should appear, *Insert Your Printer SYSTEM PROGRAM CD Ver. 6.00 or later to the Disk drive and close the tray.*

Note if you copied the files to C:\Noritsukoki\Printer\InkChangeWizard folder, the illustration depicting CD insertion/removal serves as a visual aid only.

Click "Next" (fig.27)



2.3-Install the Printer Software - Continued

Once the Printer software update has completed press the Next button. (fig.28)

Depending on the setup of your equipment you will encounter one of the two options.

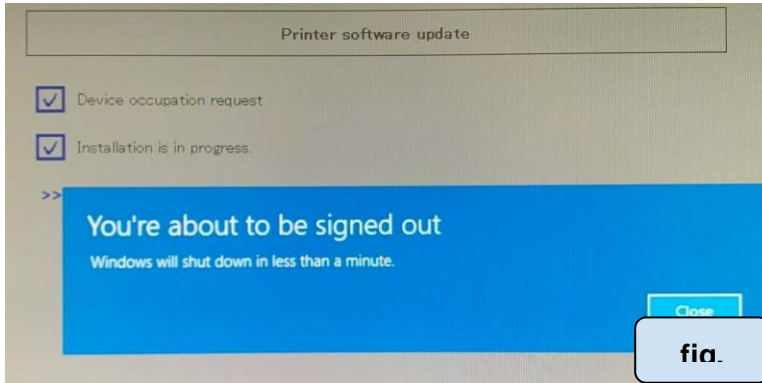
You will be prompted with the screen indicating:

You're about to be signed out (fig.29) if you have this screen go to page 25

or

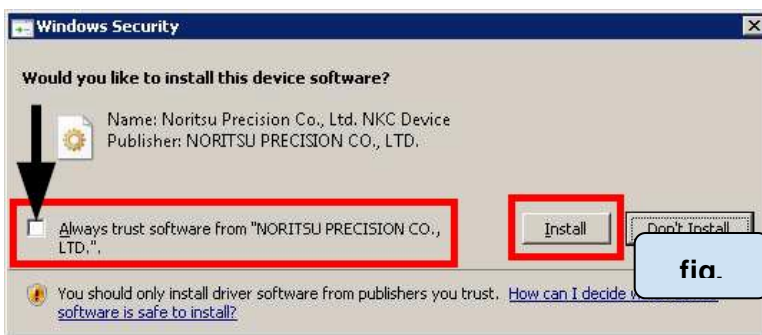
Start remote desktop connection (fig.32) go to page 26

2.4-You're about to be signed out

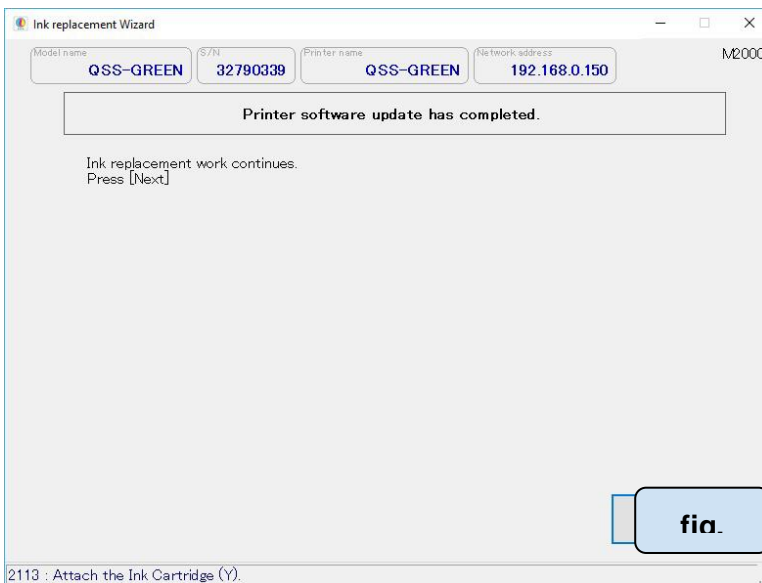


Once this screen appears, the PC will shutdown and automatically restart.

This will occur if you have your printer connected directly with a USB cable to the EZ-Controller PC



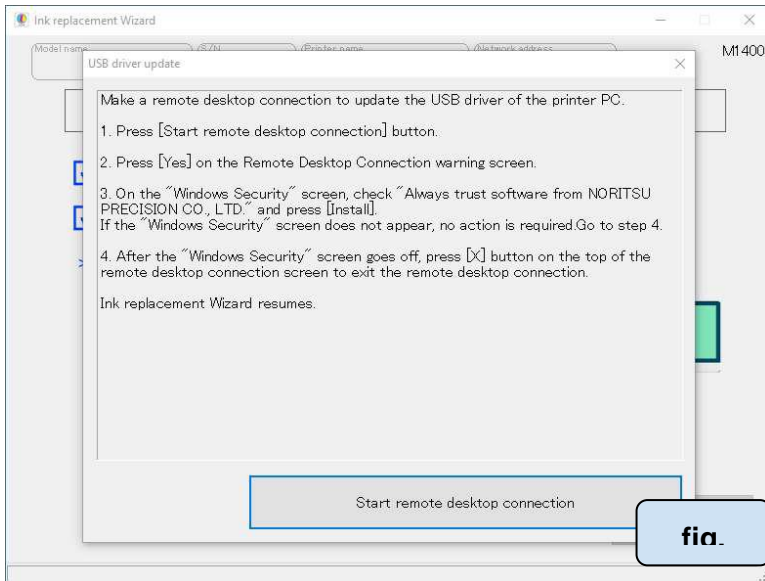
After restarting the Operation PC, if the following "Windows Security" screen appears make sure you put a checkmark on **Always trust software from NORITSU PRECISION CO LTD.**, and click Install (fig.30)



Once the Operation PC restarts the procedure to replace the inks will commence, click Next. (fig.31)

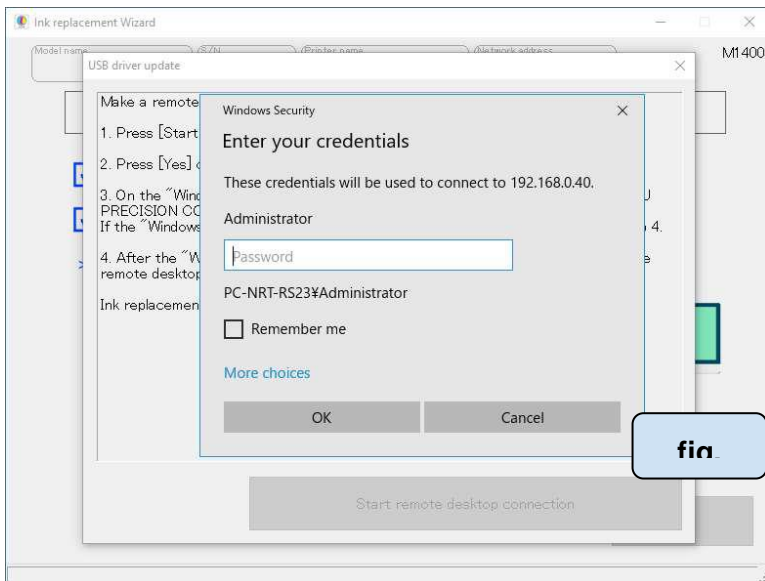
Once you click next it should forward you to Section 3.0-Ink Cartridge Replacement

2.5-Start remote desktop connection



If the screen (fig.32) appears click on **Start remote desktop connection.**

Please note this will only happen with you have a Printer PC

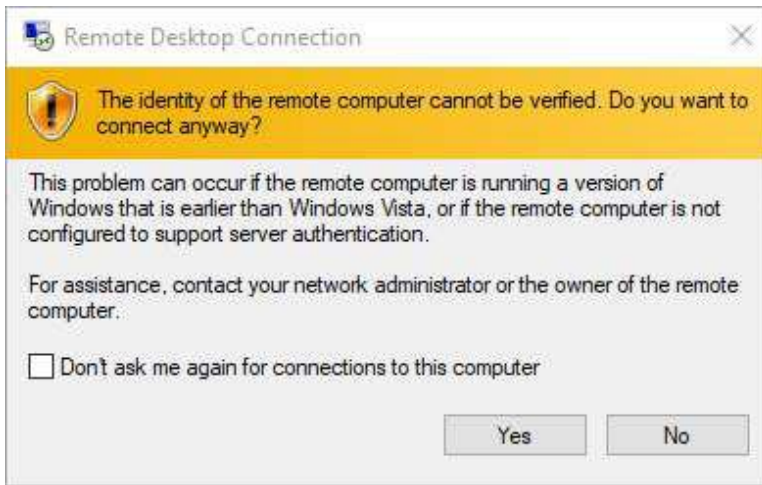


Enter the Username and Password and press OK (fig.33)

The username is Administrator

The password is 999999

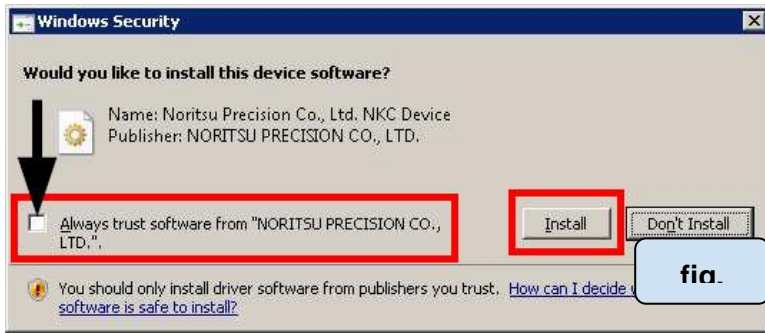
If that does not work try 2260



Upon entering the username and password, should the confirmation screen for the remote desktop connection appear, proceed by clicking on "Yes". (fig.34)

fig.

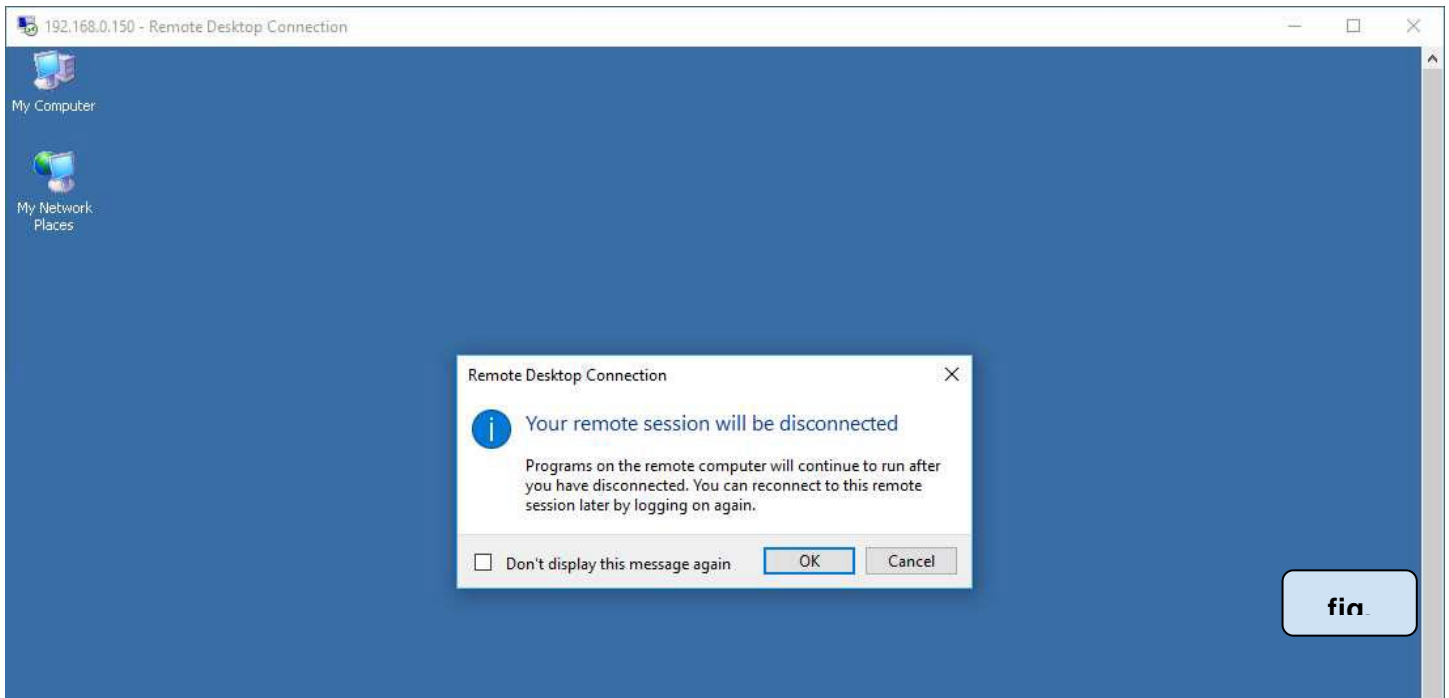
2.5-Start remote desktop connection - Continued



After you remotely connected to the Printer PC, if the Windows Security screens appears make sure you put a checkmark on **Always trust software from NORITSU PRECISION CO LTD.,** and click Install (fig.35)

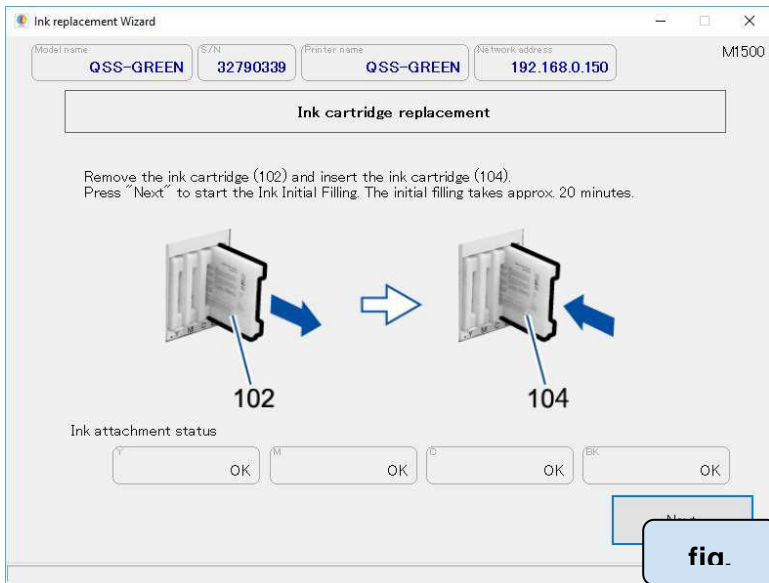
Once the installation is done you can close the Remote Desktop Connection screen by pressing the "X" on the upper right corner.

Press OK to the pop up message. (fig.36)



3.0-Ink Cartridge Replacement

At this stage, there will be a display to remove the 102 inks and install the 104 ink cartridges. (fig.37)



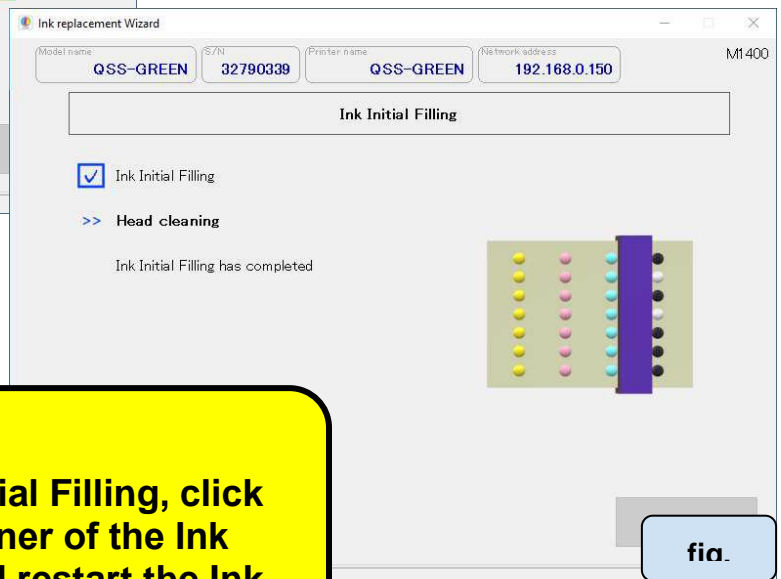
Note the Ink attachment status for each colour should indicate OK

If the printer does not recognize the ink cartridge, remove the cartridge and insert it into the printer again.

Once all the inks are properly recognized you should be able to press the Next button.



The procedure will take 15 minutes or more for the ink initial filling to complete. (fig.38)



Important
If an error occurs during Ink Initial Filling, click the "X" on the upper right corner of the Ink Replacement Wizard screen and restart the Ink

**Do not open/ close the printer door or maintenance doors during this replacement work.
The following error may occur.**



3.0-Ink Cartridge Replacement - Continued

Once the Ink Initial Filing is complete there will be check marks on

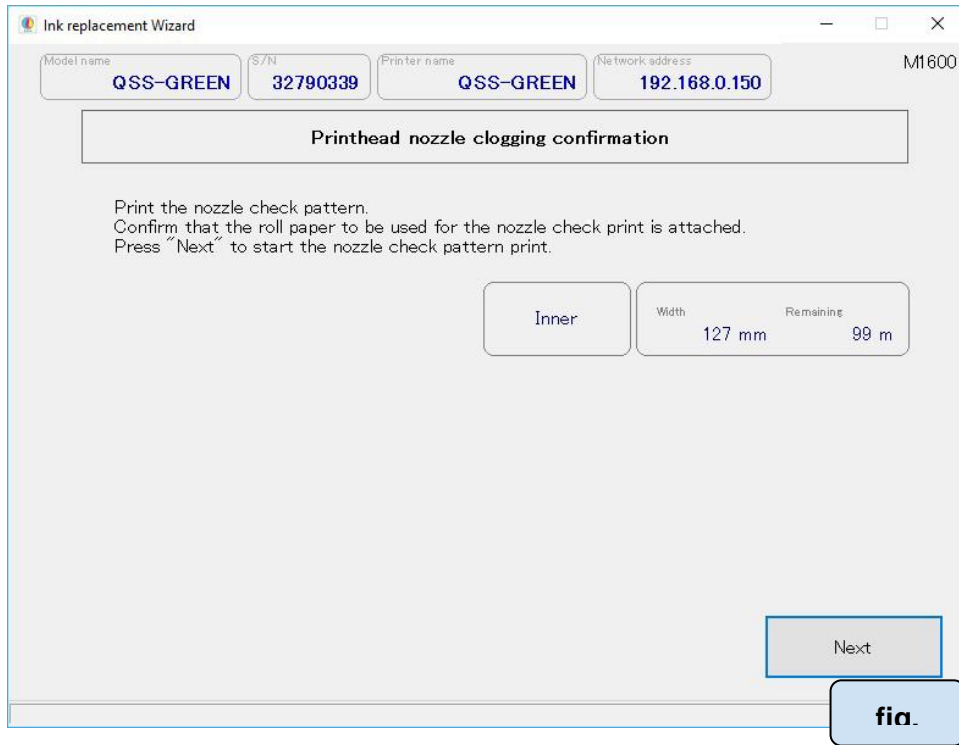
- Ink Initial Filling
- Head Cleaning
- Ink Initial Filling has completed

You should be able to press Next (fig.39)



3.1-Print the Nozzle check pattern

Once the printer recognizes the paper loaded in the printer click Next.
The nozzle check pattern will print. (fig.40)



3.2-Nozzle check is not missing lines

If the nozzle check has no clogged nozzles click Next (fig.41)

If the nozzle check has missing lines go to section 3.3-Missing lines on Nozzle Check

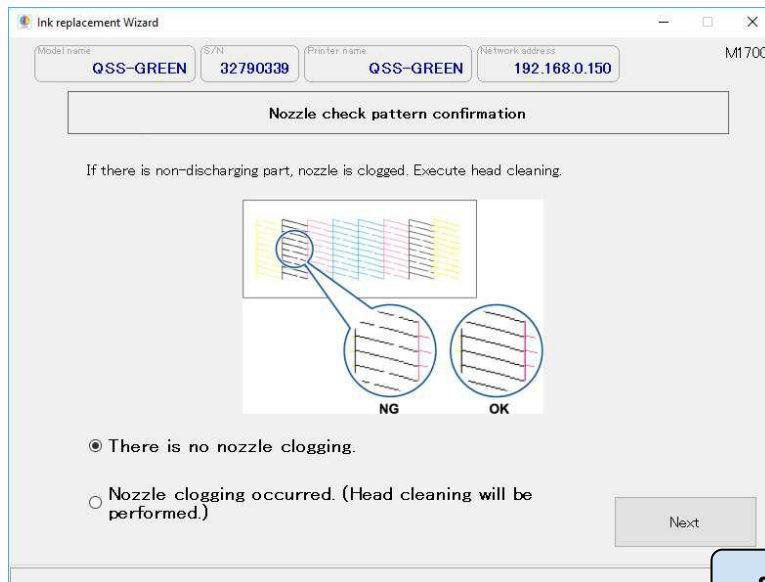


fig.

Once you click Next, the screen with the statement *Ink replacement work has completed will appear*, if there are no other printers at your location press End. (fig.42)

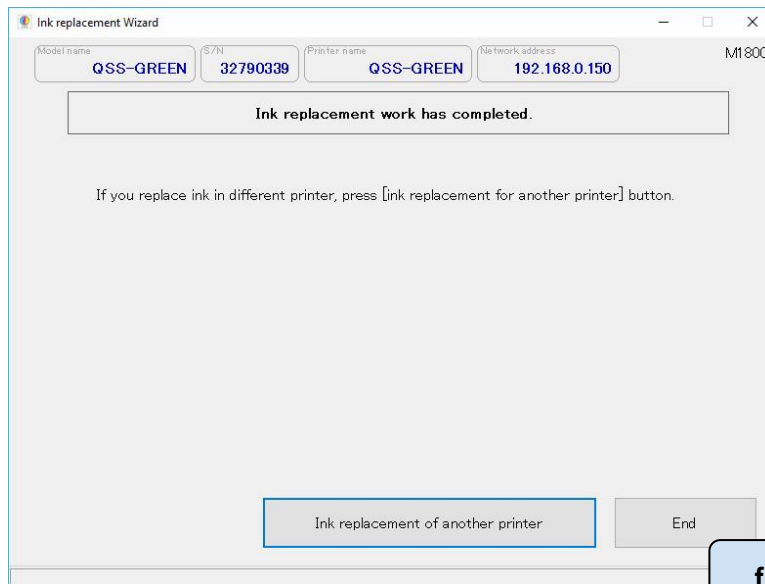
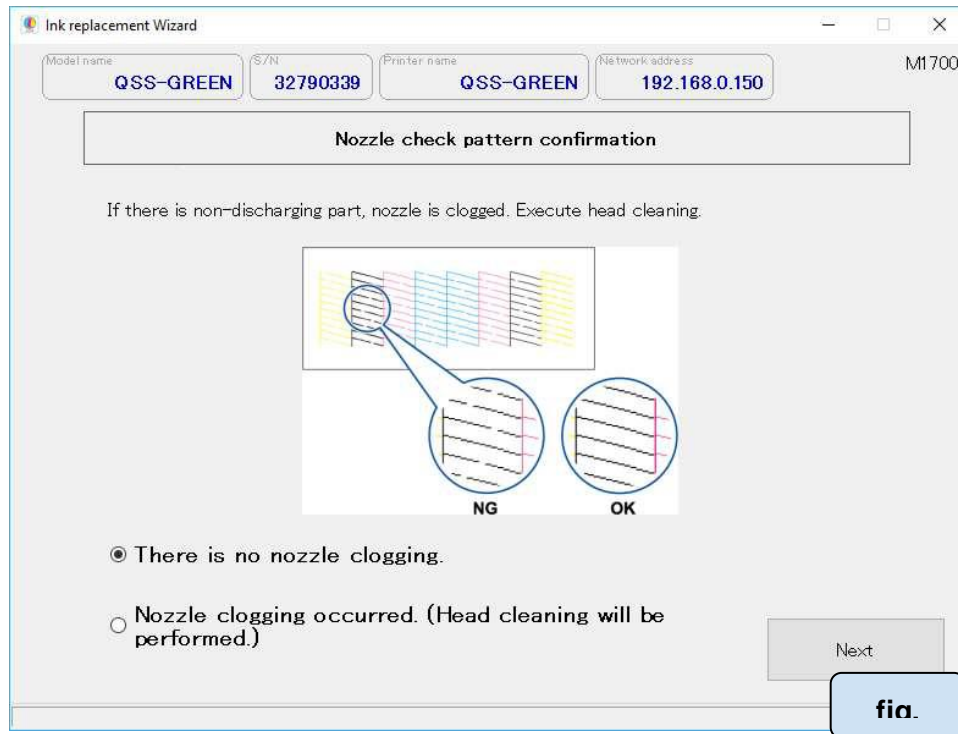


fig.

If you have another printer, Ink Replacement of Another Printer (see page 34)

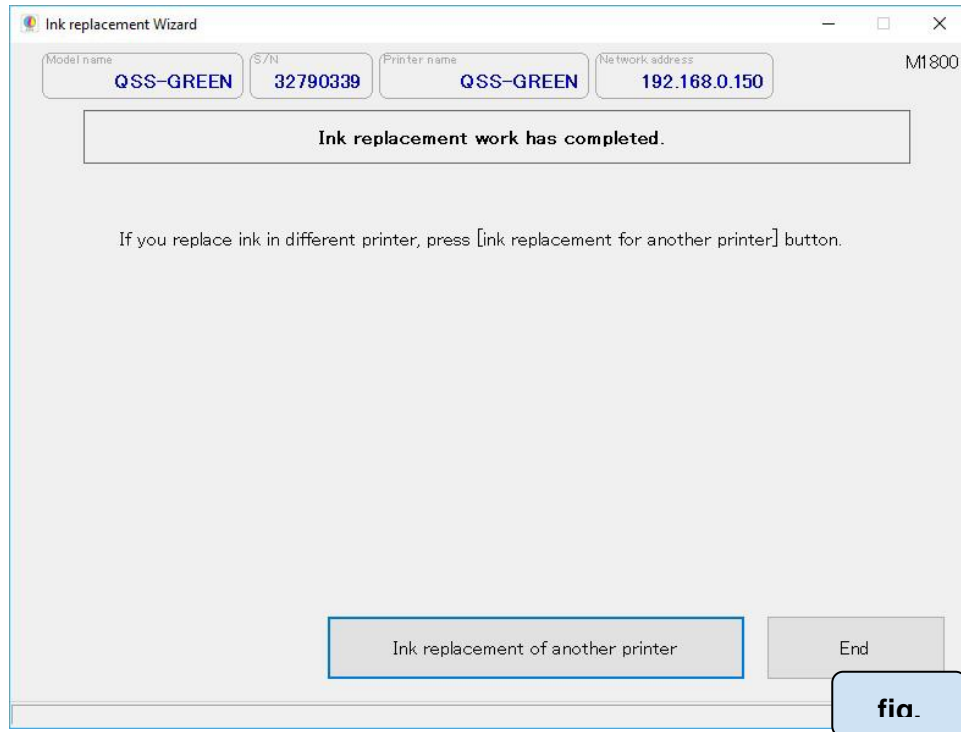
3.3-Missing lines on Nozzle Check

Select: **Nozzle clogging occurred (Head cleaning will be performed)** and click Next
Perform a head cleaning again and print the nozzle check pattern to confirm if all the lines have printed. (fig.43)



Ink Replacement of another Printer.

If you have other printers that requires ink replacement work, Click *Ink replacement of another printer* to display *Select the printer that you want to replace the ink* screen. (fig.44)



If you have not checked steps below before starting this procedure on all your printers, please press END. Restart the PC and run steps 1.2 to 1.5

- 1.2-Print the Nozzle check pattern
- 1.3-Saving the backup data of the printer
- 1.4-Verifying the Waste Ink Tank Usage Rate
- 1.5-Remote Desktop Connection to the Printer PC

If steps 1.2 to 1.5 have been completed, click on Ink Replacement of another printer
The screen will not ask you to install "Profile Data".
Run steps 2.2 to 3.3

Troubleshooting and Helpful Tips

Troubleshooting

Printer to perform the ink replacement cannot be selected.

When the printer is not in ready-to-print status, you cannot select the printer.

- Make sure all the printer doors are closed
- Confirm if the maintenance mode is opened

Next button is grayed out.



If the Next button is grayed out, it is an indication that the files have not been copied to the correct folder on the hard drive of the Operation/EZ-Controller PC.

See section [1.8-Copying the files to InkChangeWizard Folder](#)

Printer that requires ink replacement is not displayed

Make sure the printer is on, check if the Printer PC is powered on.

The screenshot shows a window titled "Ink replacement Wizard" with a close button (X) and a window ID "M1100". The main instruction is "Select the printer that you want to replace the ink." Below this, there are two printer profiles, each with a radio button for selection.

Model name	Printer name	Network address
QSS-GREEN-IV	QSS-GREEN-IV	127.0.0.1
S/N: 00000008	RIP Version: 2.08.012	F/W Version: 1.038
IPM Version: 1.01		
Status: Operating with the previous ink.		

Model name	Printer name	Network address
QSS-GREEN	QSS-GREEN	192.168.0.150
S/N: 32790339	RIP Version: 5.08.009	F/W Version: 1.035
IPM Version: 3.00		
Status: Operating with the previous ink.		

At the bottom of the window, there are three buttons: "End" (highlighted with a blue border), "Profile installation", and "Next".

Downloading the file on another Computer with Internet Access.

If your Operation/Ez-Controller computer does not have internet access you can still download the zipped file on another computer with internet access. You will receive a link to download the software.

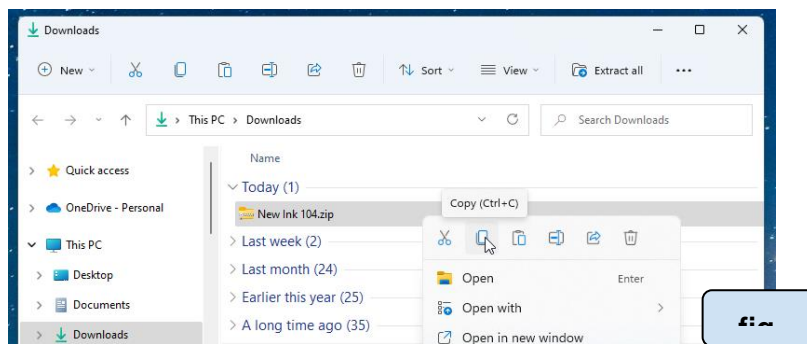
Your browser will most likely save the zipped file in the Download folder.

If you have changed settings for the download folder, navigate to the folder you have assigned the browser to save the files.

Navigate to the location of the zipped file.

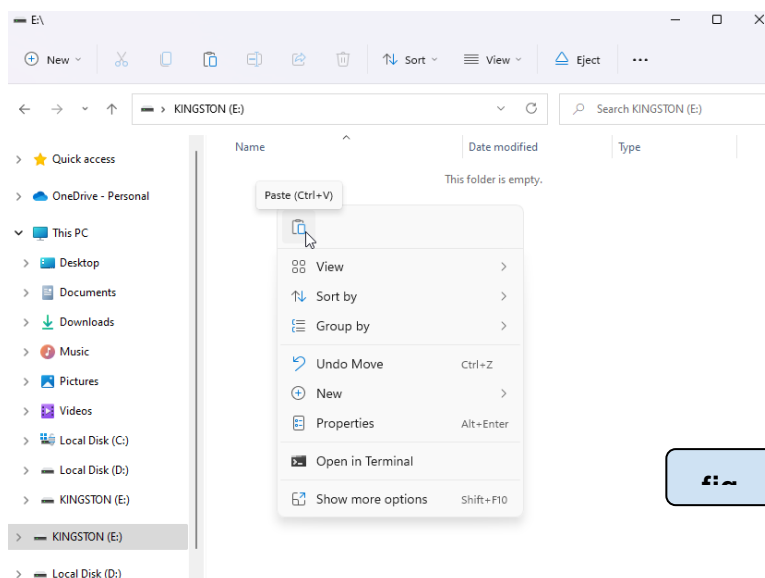
Highlight the zip file, right click and select copy.

You can also select the zip file and press Ctrl+C (fig.45)



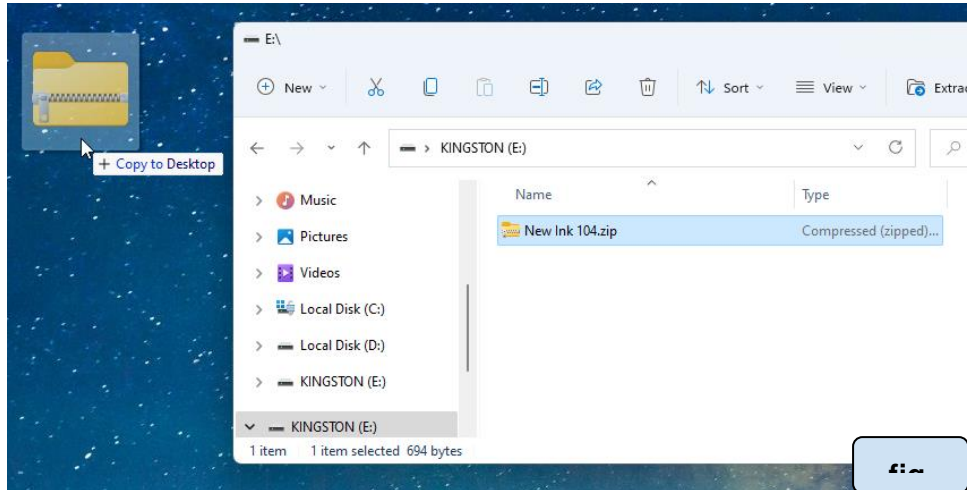
Go to your USB drive, select an empty spot and select paste.

You can also click on an empty spot and press Ctrl+V (fig.46)

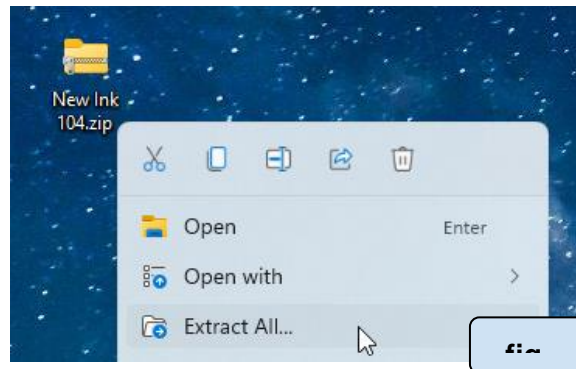


Unzipping the File

Once copied to the USB drive, insert the USB Drive to the Ez-Controller computer. Select the zipped file and drag the file to the desktop of the Ez-Controller computer, this action will copy the file. (fig.47)



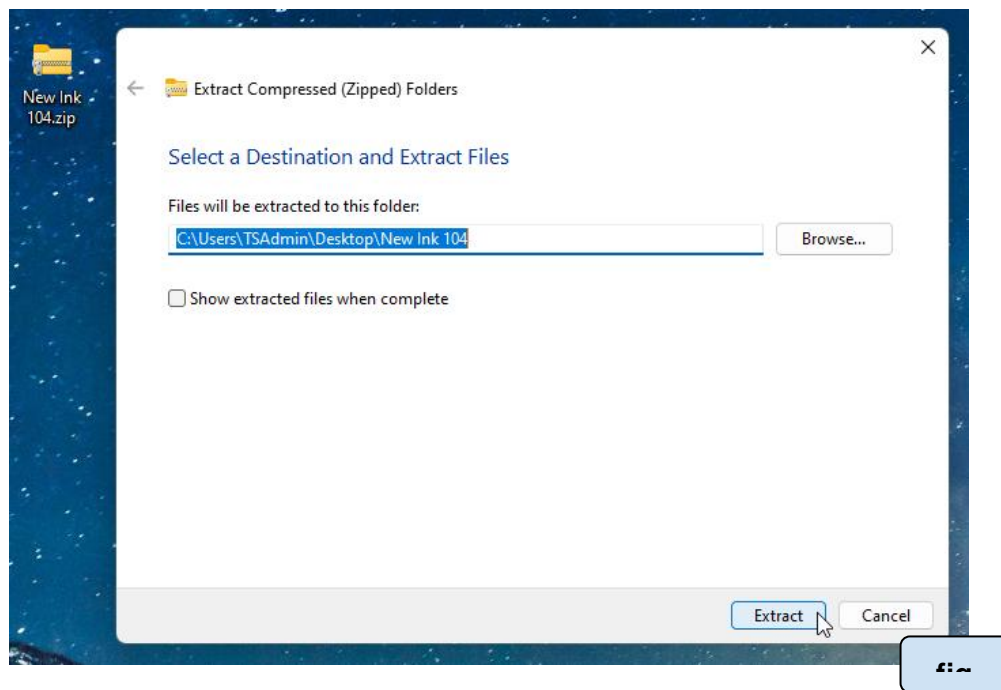
Right click on the zipped file and select Extract All... (fig.48)



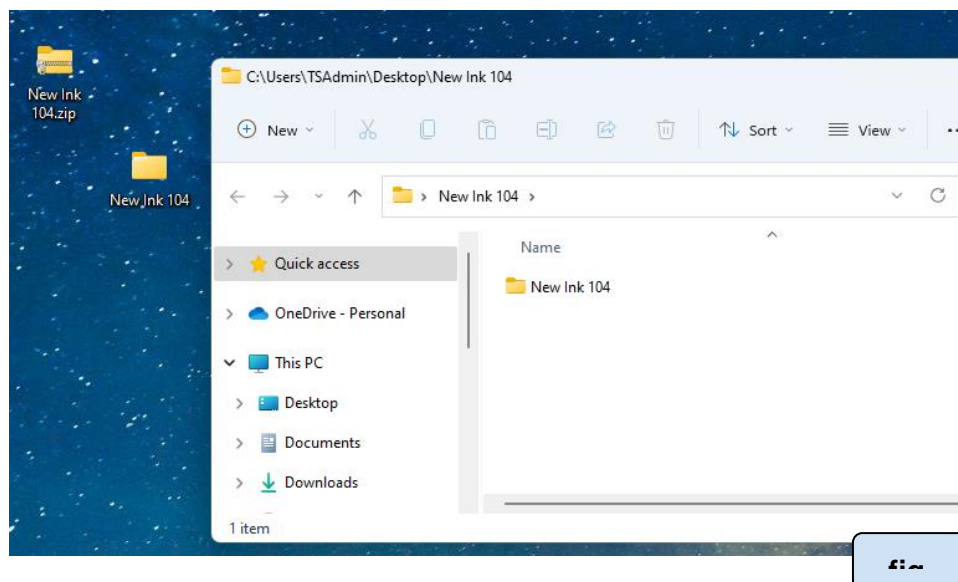
Unzipping the File - Continued

Once this window opens, click Extract.

This will extract the files at the location where you saved the zip file. (fig.49)

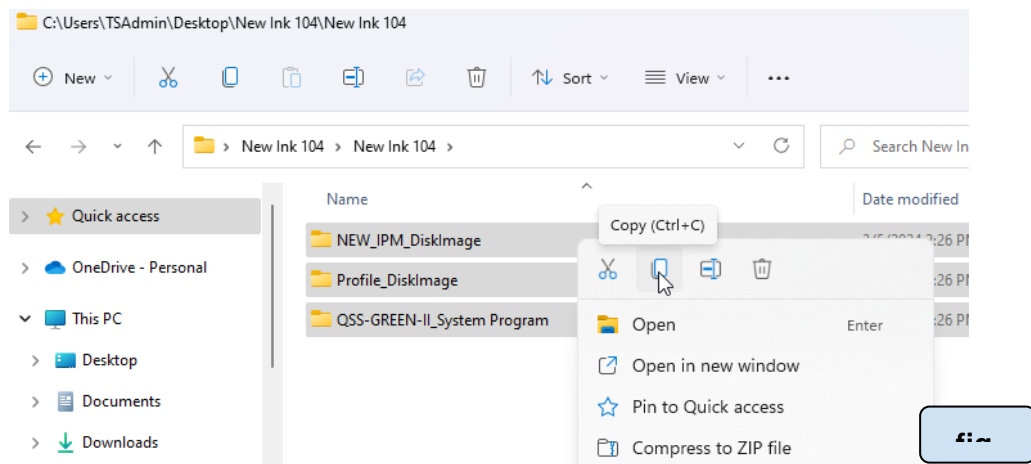


For example if you saved the zipped file on the desktop, the compression software will create a folder on the desktop with files extracted. (fig.50)

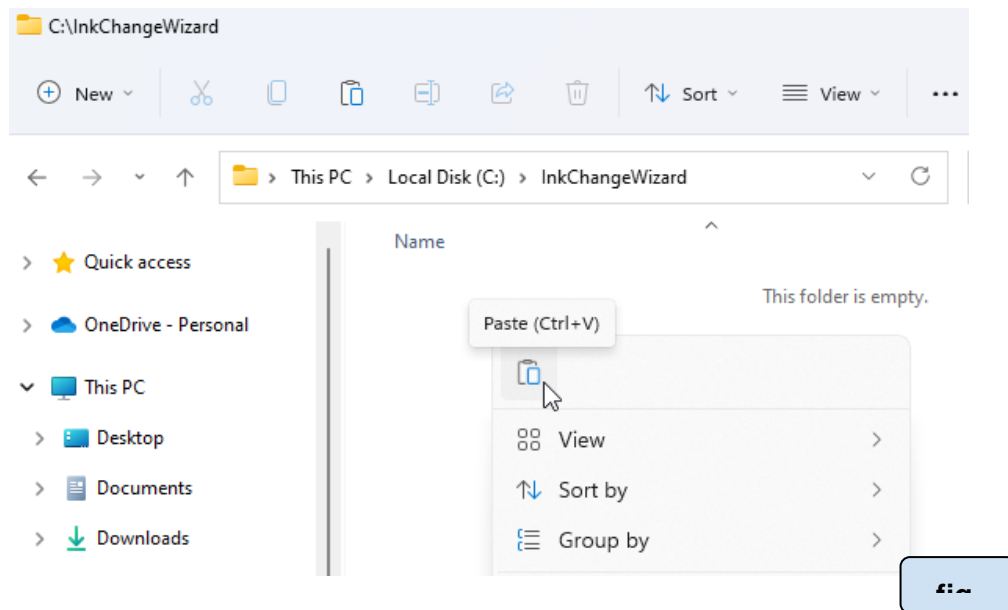


Unzipping the File - Continued

Open the folder, select and copy all the files, you can also press Ctrl+C on the keyboard. (fog.51)



Once copied, navigate to the folder you have created in the root of the C drive. Right click in the window and select Paste, you can also press Ctrl+V on the keyboard. (fig.52)



See this [page](#) about the default Windows compression software.

7ZIP

Apparently the default compression software in Windows at times will not unzip the complete file.

We suggest downloading the free 7ZIP software.

The file can be downloaded here: <https://www.7-zip.org/download.html>

Download

Download 7-Zip 24.01 beta (2024-01-31) for Windows:

Link	Type	System	Description
Download	.exe	64-bit Windows x64	
Download	.exe	32-bit Windows x86	7-Zip installer for Windows
Download	.exe	64-bit Windows arm64	
Download	.msi	64-bit Windows x64	(alternative MSI installer) 7-Zip for 64-bit Windows x64
Download	.msi	32-bit Windows x86	(alternative MSI installer) 7-Zip for 32-bit Windows
Download	.7z	Windows x86 / x64	7-Zip Extra: standalone console version, 7z DLL, Plugin for Far Manager

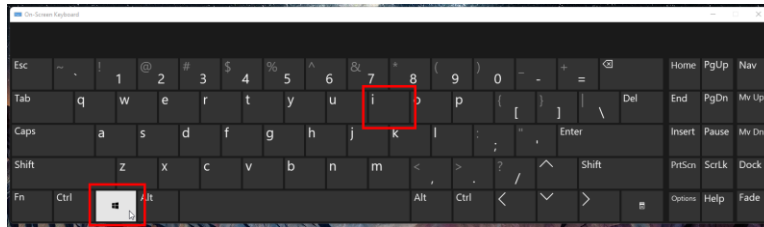
We recommend to use **exe** type installer instead of **msi** installer version.

Download the appropriate software for your system.

If you are not sure of the system you have please see the next page.

Type of System

To verify the type of system your PC, press the Windows Icon and the letter i on your keyboard.



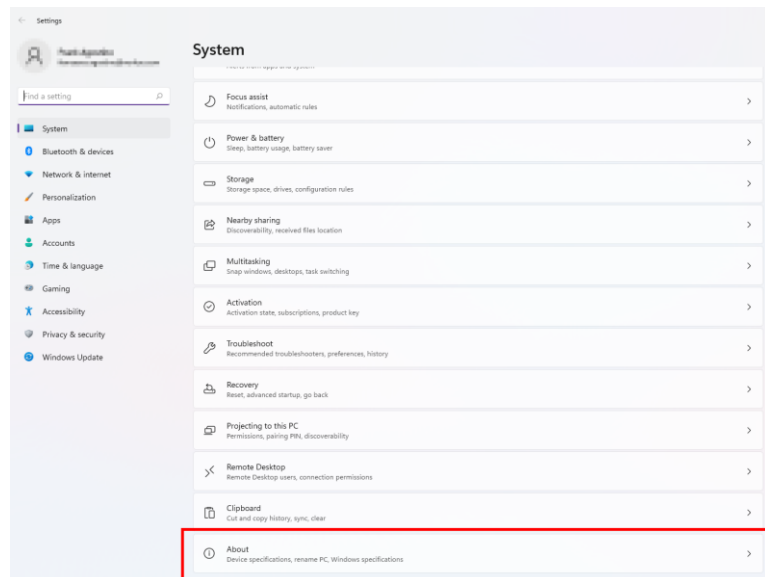
This will open your System Settings

Scroll to the bottom until you see **About**

Click on About and you will see **System Type**

In this example the system type is x64

Therefore the best download of 7ZIP would be the 64-bit Windows x64



Glossary

Operation PC: The computer where EZ-Controller software is installed.

Printer PC: A stand alone computer that is connected to the printer, normally with a USB cable, also known as a RIP PC

Zip File: A computer file whose contents of one or more files are compressed for storage or transmission, often carrying the extension .ZIP

Nozzle Check Pattern: A grid pattern for confirming whether the printhead nozzles clog. If the grid pattern is not printed normally, the nozzles may clog. Then Head Cleaning is necessary.

Remote Desktop Connection: Remote Desktop Protocol is a proprietary protocol developed by Microsoft Corporation which provides a user with a graphical interface to connect to another computer over a network connection.

