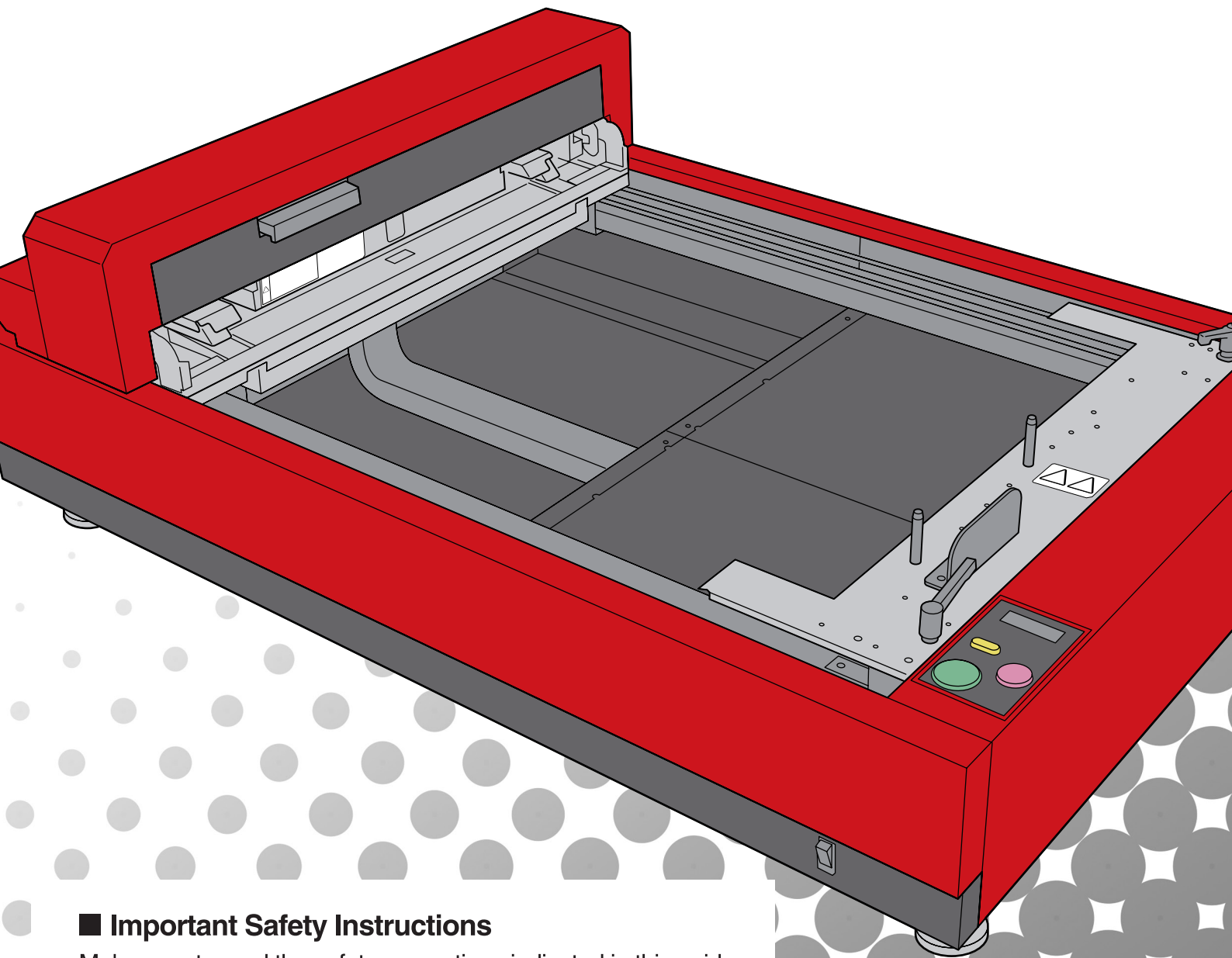




Digital Screen Maker

GOCCOPRO QS1836

User's Guide



■ Important Safety Instructions

Make sure to read the safety precautions indicated in this guide.
Keep this guide in a safe place for future reference.

Digital Screen Maker

Model: GOCCOPRO QS1836

The user is cautioned that unauthorized changes or modifications not approved by RISO could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAN ICES-3(A)/NMB-3(A)

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Perchlorate Material-special handling may apply,
See www.dtsc.ca.gov/hazardouswaste/perchlorate

This product may contain certain substances which are restricted when disposed.

Therefore, be sure to consult your contracted service dealer.

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Preface

Thank you for purchasing this machine.

This machine is a digital screen maker that can be easily operated.

This guide contains instructions for basic operation of the machine, precautions on use, methods for handling consumables, and a troubleshooting guide.

Carefully read this guide before using the machine. Also read this guide if you have any question during use and whenever it is necessary, and make use of it with the machine for many years to come.

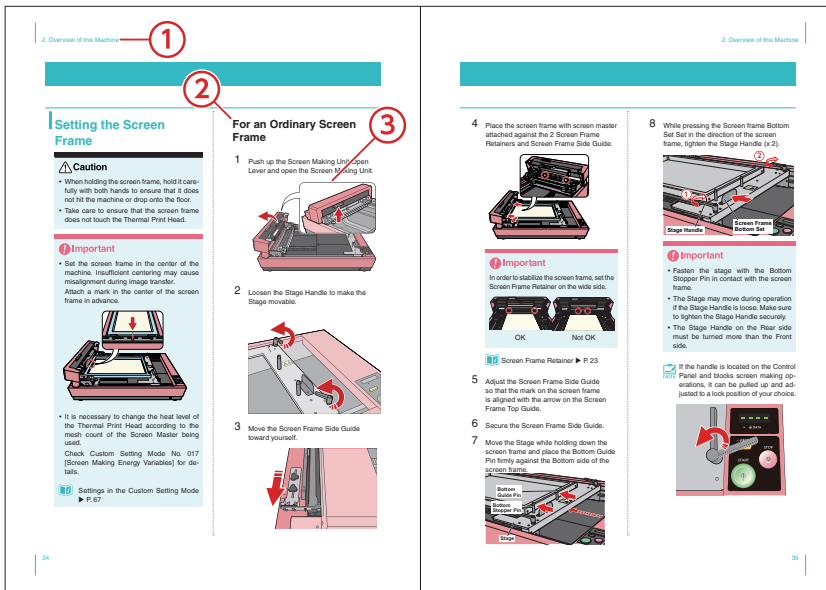
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- All other product names and company names are registered trademarks or trademarks of each company, respectively.
- The screens and content appearing in this guide may differ from the actual product.
- The screens and messages appearing in procedures may differ depending on the type of the computer and the application.

The Notation in This Guide

The notation, marks, and terminology used in this guide are indicated below.

Notation of Pages Containing Descriptions of Operations and Functions

Pages containing descriptions of functions and operations use the following notation. Also, the names of hard keys on the operation panel and buttons on the computer window are indicated with square brackets [].



① **Chapter title**

② **Operating procedure**

An operating procedure is described in steps.

③ **Operation illustration**

Shows a part related to the operation such as the machine, Control Panel, or a computer display.

Marks Used in This Guide

	Warning	A caution related to safety. For details, see “Warning indications” on page 12 of this guide.
	Caution	
	Important	An important point to note when operating the machine.
	NOTE	Supplementary information that is convenient to know when using the machine.
		Indicates a related reference page.

Terminology Used in This Guide

Original data	Image and text data created on a computer.
Screen making	The process for reading original data sent from a computer on the machine and perforating a screen master.
Default value	The initial value of each setting immediately after the power switch of the machine is turned on.

Note Regarding Computer Screens

The way dialog boxes, etc. are displayed may differ to the way indicated in this guide, depending on the version of the operating system used in your computer.

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Safety Precautions

This section describes the information that you need to be aware of before using this machine. Read this section before operating this machine.

Warning Indications

The following warning indications are used to ensure proper operation of this machine and also to prevent hazards to the human body and damage to property.

Ensure the content is understood clearly before proceeding to the main text.

 Warning	<p>Indicates that incorrect handling by ignoring this symbol may cause death or serious human injury.</p>
 Caution	<p>Indicates that incorrect handling by ignoring this symbol may cause human injury or damage to properties.</p>

Installation Location

Caution

- Do not place this machine on an unstable location, such as a wobbly base or tilted surface. If this machine falls down or falls over, the situation may result in injury.
- Keep this machine away from humid and dusty environments. Failure to do so may result in fire or electric shock.
- This machine is not suitable for use by children. Use the machine in a location not accessible by children.

Power Connection

Warning

- The provided power cord is dedicated for this machine. Do not use it for other electrical products. It may result in fire or electric shock.
- Do not use the power cable tied up or coiled to avoid the cable heating up and causing a fire.

Warning

- Do not use a branching outlet or multiple outlet extension plug. It may result in fire or electric shock.



- Do not scratch, damage, or process the power cord. Do not damage the power cord by placing heavy objects on it or pulling or forcibly bending it. It may result in fire or electric shock.



- Do not plug or unplug the power cord with wet hands. It may result in electric shock.

Caution

- When unplugging, do not pull the power cord (be sure to hold the plug). It could damage the cord, and this may result in fire or electric shock.
- If this machine is not used for a long time due to consecutive holidays, etc., be sure to unplug the power cord to ensure safety.
- Unplug the power cord at least once a year and clean the prongs of the plug and their surroundings. Dust collected on these areas may result in fire.

Ground Connection

Warning

- Be sure to insert the power plug with a ground conductor into the wall outlet with a ground receptacle. If the machine is not grounded, a short circuit may occur. It may result in fire or electric shock.



Machine Handling

Warning

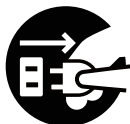
- Do not place a container that is filled with water or metallic objects on this machine. If the water spills or the water or metallic objects fall into this machine, it may result in fire or electric shock.
- Do not use combustible spray and flammable solvent near this machine. If the sprayed gas or flammable solvent contacts the electrical parts inside the mechanical system, it may result in fire or electric shock.
- Do not insert or drop foreign matter, such as metallic parts or highly combustible matter, into this machine through any opening. It may result in fire or electric shock.
- Do not remove the covers of this machine. Removing the covers may result in electric shock.
- Depending on the size of the screen frame used, the thermal print head protective cover is attached. To change the size (width) of the screen frame to be used, contact your dealer or authorized service representative.
- Do not disassemble or modify this machine. It may result in fire or electric shock.



- The thermal head and surrounding metal parts are hot while the power is on, or just after the power is switched off. Do not touch it to avoid burning yourself. When cleaning the machine, wait until it has cooled down.
- Do not let someone who does not know how to use the machine touch it. It may cause an unexpected accident by touching dangerous parts or by starting the machine unintentionally.



- If this machine emits excessive heat, smoke or foul odor, immediately turn off the power switch, unplug the power cord, and consult your dealer or authorized service representative. Failure to do so may result in fire or electric shock. For more information, consult your dealer or authorized service representative.



Warning

- If foreign matter enters this machine, immediately turn off the power switch of the main unit, unplug the power cord and consult your dealer or authorized service representative. If you continue to use this machine without taking appropriate measures, it may result in fire or electric shock.



Caution

- Never put your finger into an opening, etc. of this machine. It may result in injury.
- If lifting or moving the machine, be sure to hold the bottom of the main unit. Holding the upper part of the main unit may cause it to fall and result in injury.
- The machine weighs approximately 70 kg (154 lb). Take adequate precautions when packaging, installing, and moving the machine.

Do not get your hands or arms caught

The warning label indicates the possibility of injury caused by your hand or arm getting caught in a cover or insertion slot, etc.



- Do not insert your hands or allow your clothing to get caught when the Screen Making Unit is moving. It may result in injury.

About thermal print head

Do not directly touch the thermal print head with your fingers. The thermal print head may be heated and cause burns.



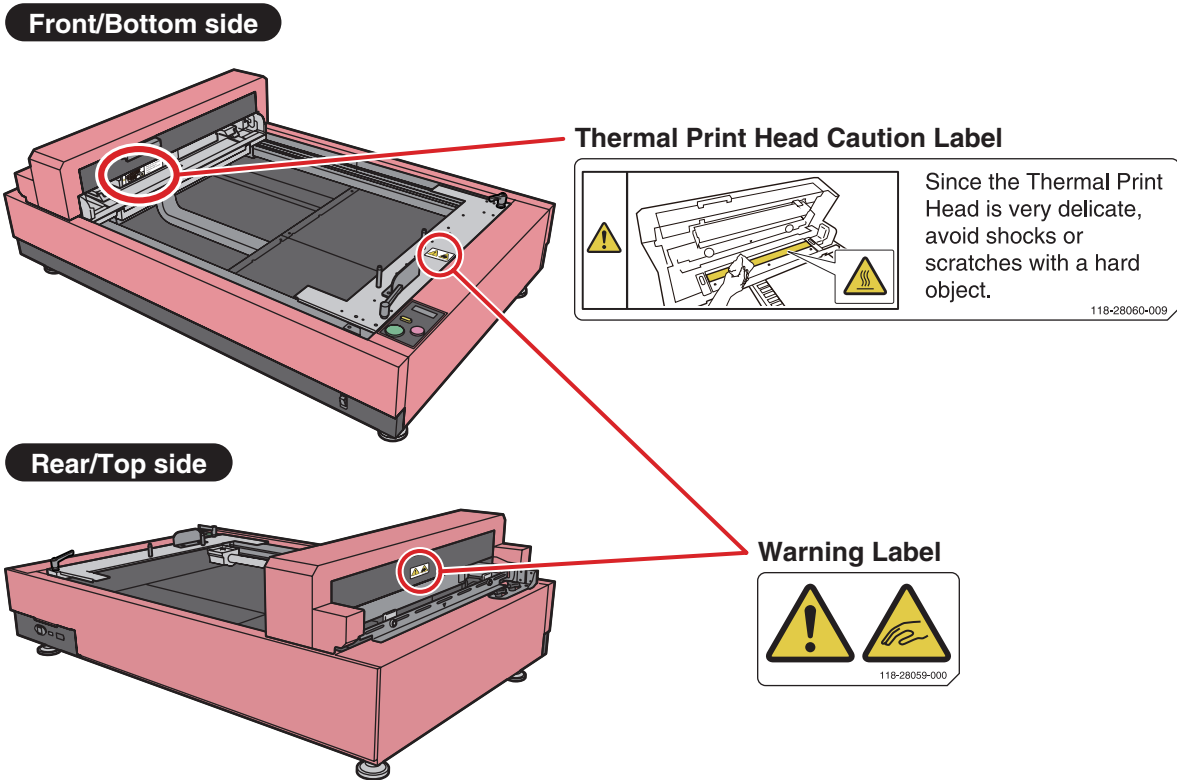
Caution Label

For safety use, the caution label below is adhered to this unit. When operating or maintaining this unit, read the instructions on the caution labels for safe use.

Do not remove or dirty the label. If the label is not stuck on the unit, turned out or unreadable, contact your dealer or authorized service representative.

Location of the Caution Label

The locations of the caution labels (warning) are shown below.



Content of the Thermal Print Head Caution Label

The location indicated by this label (Thermal Print Head) is at a high temperature. Since the Thermal Print Head is very delicate, avoid shocks or scratches with a hard object.

Content of Warning Label

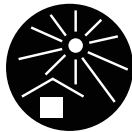
The warning label indicates the possibility of injury caused by getting your hand or arm caught while the Screen Making Unit is moving.

Before Starting Use

Precautions for Installation

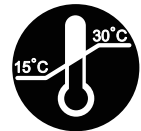
Installation location

- The installation location of this machine will be determined in consultation with you during delivery.
- The installation location of the machine should be fixed. When you want to move this machine, consult your dealer or authorized service representative.
- Do not install this machine in the locations listed below. Failure to observe this precaution may result in malfunction, failure, or accident.
 - Locations with exposure to direct sunlight and locations close to windows (cover the windows with curtains if necessary)
 - Locations that are subject to sudden changes in temperature
 - Extremely hot and humid locations or cold and dry locations
 - Locations exposed to fire or heat, direct cold air (e.g., air conditioner), direct hot air (e.g., heater), or where heat is transmitted
 - Locations with poor permeability and ventilation
 - Dusty places
 - Locations without sufficient strength such as work table

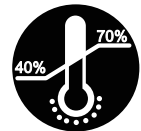


- The appropriate environment conditions are as follows.

- Temperature range:
15 °C to 30 °C
(59 °F to 86 °F)

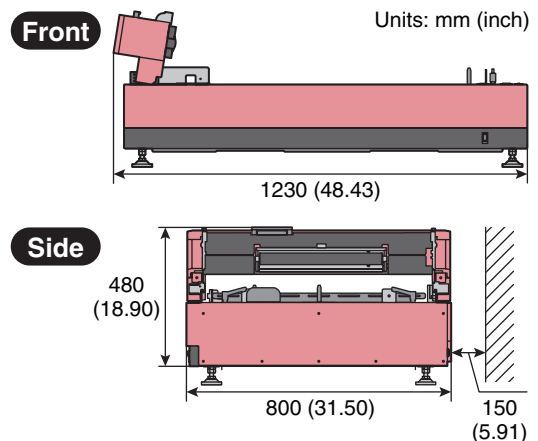


- Humidity range:
40 % to 70 %
(no condensation)




Required Space

This machine requires the following space.



Notes on Operation Environment

- Install the machine in a place whose levelness is within the following specified range. (Levelness for installation: 10 mm (0.39") or less both lengthwise and widthwise)

 Adjuster Feet ► P. 22

Precautions on Connection

Precautions for Connecting with the Power Supply

- Be sure to plug in the power cord securely to prevent poor contact in the power plug section.
- Locate this machine near the electric outlet.



The Printer Driver

This printer driver is designed for screen making by transmitting original data from your computer.

The printer driver is contained in the included CD-ROM. When making a screen master for the first time, it is necessary to install the printer driver.

Precautions on the Connection with a Computer

- Before using the machine, be sure to install the printer driver from the included CD-ROM.

! Important

Do not connect the machine with the computer before installing the printer driver.

- This machine must be connected with a computer via a commercially available USB cable (less than 3 m (10 feet), compliant with Hi-Speed USB).
- The maximum allowable voltage for USB connector input and output is 5 V.

Precautions for Use

Handling

- The machine is a precision machine. Do not place heavy objects on the machine or do not apply a shock or excessive force to it.
- Do not insert your fingers or hands into the thermal head part and movable parts.
- Do not move the Screen Making Unit with your hands. Use the Custom Setting mode to move the Screen Making Unit to the center.
- Do not turn off the power or unplug the power cord during operation.
- While the machine is running, do not move a screen frame and do not move the machine.
- Do not open the Screen Making Unit during operation.
- This machine contains precision parts and drive mechanisms. Perform only the procedures described in this guide.
- Clean this machine frequently. If a foreign material is on a screen, the thermal head will be damaged. Do not use highly-soluble organic solvents such as thinner and benzene for cleaning. If they are used, coating peeling and failures will occur. For cleaning, use neutral detergent.
- For the machine, use the specified RISO Digital Screen Master and RISO DIGITAL SCREEN QS MASTER. If other screens are used, the quality will not be guaranteed.

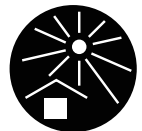


Screen Master ▶ P. 84

Storing the Screen Master

Properly store the screen master. Do not store those parts in the locations listed below.

- Locations with exposure to direct sunlight and locations close to windows (cover the windows with curtains if necessary)
- Locations that are subject to sudden changes in temperature
- Extremely hot and humid locations or cold and dry locations



Materials not to be printed

Do not use this machine in any manner which violates the laws or infringes on established copyrights, even when making copies for personal use. Consult your local authorities for further details. In general, use discretion and common sense.

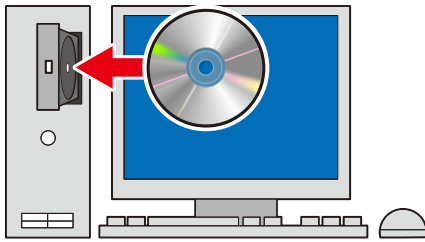
Features of this Machine

This machine is a digital screen maker exclusively designed for RISO Digital Screen Masters. Attach a screen to the screen frame and set it on the machine to perform screen making. This guide describes the process until “3. Screen making”.

Process from Screen Making to Printing

1. Initial setup

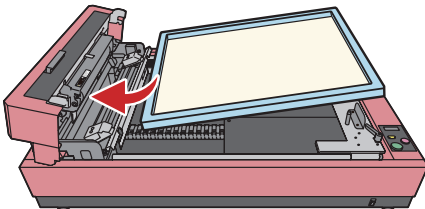
Install the “RISO GOCCOPRO Printer Driver” to your computer.



i Installation Procedure:
 For Windows ▶ P. 41
 For Mac OS ▶ P. 44

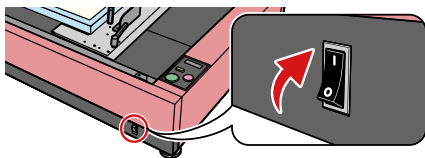
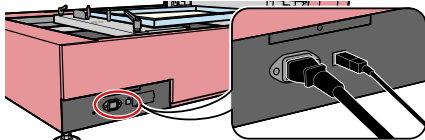
2. Preparing screen making

Set the screen frame on the machine.



i Setting the Screen Frame ▶ P. 34

Connect the machine to the computer via a USB cable, and turn the power switch of the machine on.



i Connecting the Cable and Power Supply
 ▶ P. 38

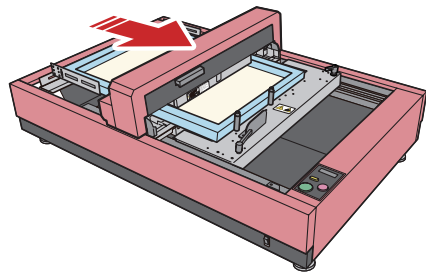
3. Screen making

Transmit the original data.

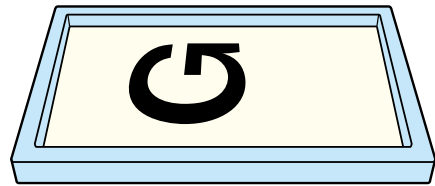


i Transmitting the Original Data:
 For Windows ▶ P. 48
 For Mac OS ▶ P. 56

Screen making starts.

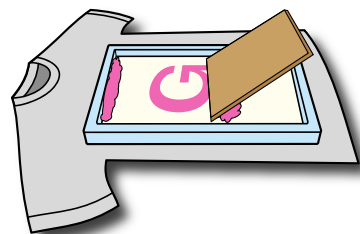


Screen making is complete.



4. Printing

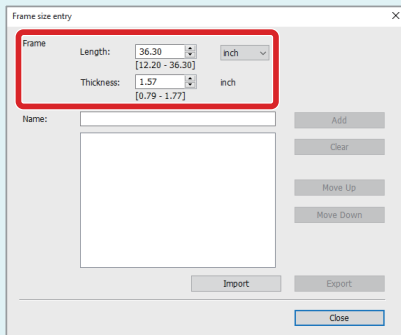
Print with ink suitable for the material and intended use.



Operation Checkpoints

◆ Registering the Screen Frame Size

Set the screen frame to use in advance.

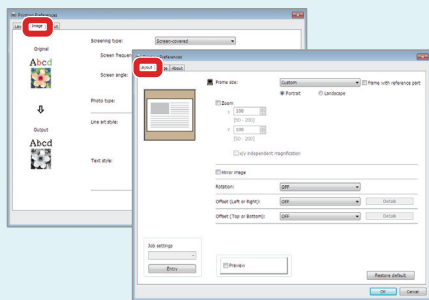


Screen Frame Size ► P. 26

Registering the Screen Frame Size (Windows) ► P. 49

◆ Setting the Printer Driver

The screening type can be specified according to the image to transfer, the material to print on, and the ink to use.



Setting the Screen Frame Size (Windows) ► P. 52

Registering the Image Area (Mac OS) ► P. 57

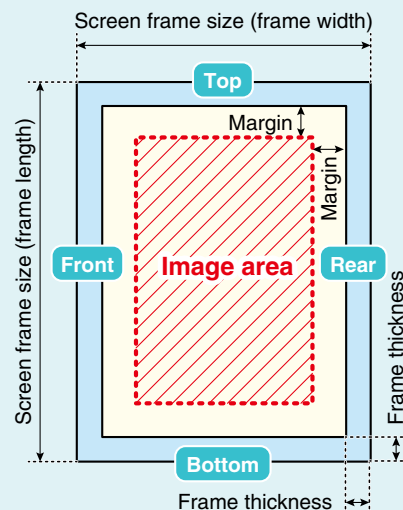
Setting the Screen Making Process: For Windows ► P. 52 For Mac OS ► P. 60

Setting the Screening Type: For Windows ► P. 54 For Mac OS ► P. 61

◆ Preview

You can check a preview of how the image will be transferred onto the screen in [Preview] of the printer driver before performing screen making.

- Is the image contained within the image area?
- Is the image orientation correct?

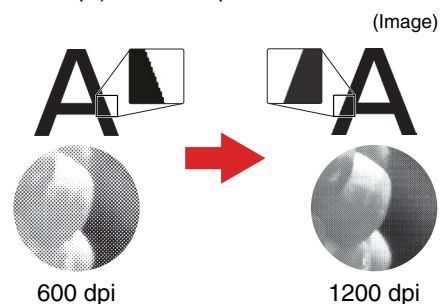


Details on the image area and image orientation are described elsewhere in this guide.

Information on Screen Making ► P. 25

Machine Functionality

The machine enables fine text and gradations to be reproduced with a high precision via high-resolution perforation at 600 dpi (perforation density 1200 dpi) x 1200 dpi.



Special processing may be required, depending on the type of medium.

2. Overview of this Machine

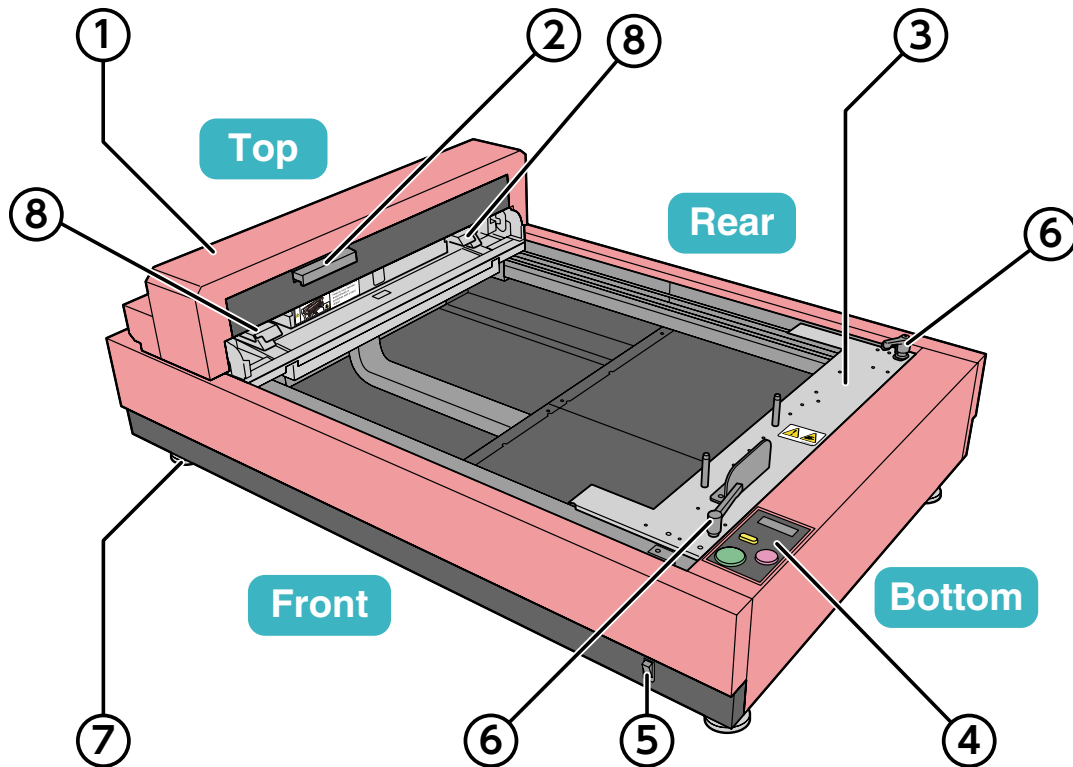
Names of Parts	22
Main Unit	22
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Information on Screen Making	25
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Names of Parts

This section describes the names and functions of parts of the machine.

Main Unit

Front/Bottom Side



① **Screen Making Unit**

Contains the Thermal Print Head.
This unit moves above the screen frame in the Top and Bottom directions to produce an imaged screen from an image sent from a computer.

② **Screen Making Unit Open Lever**


Lift up this lever to release the lock mechanism when opening the Screen Making Unit.

③ **Stage**

Slide this part to secure the Bottom side of the screen frame.

④ **Control Panel**

Displays the status of the machine and is used to perform operations such as changing the settings of the machine.

 Control Panel ► P. 24

⑤ **Power Switch**

Turns the power of the machine on and off.

 **Important**

When turning the power of the machine OFF and then ON again, wait 10 seconds or more before performing an operation.

⑥ **Stage Handle (x 2)**

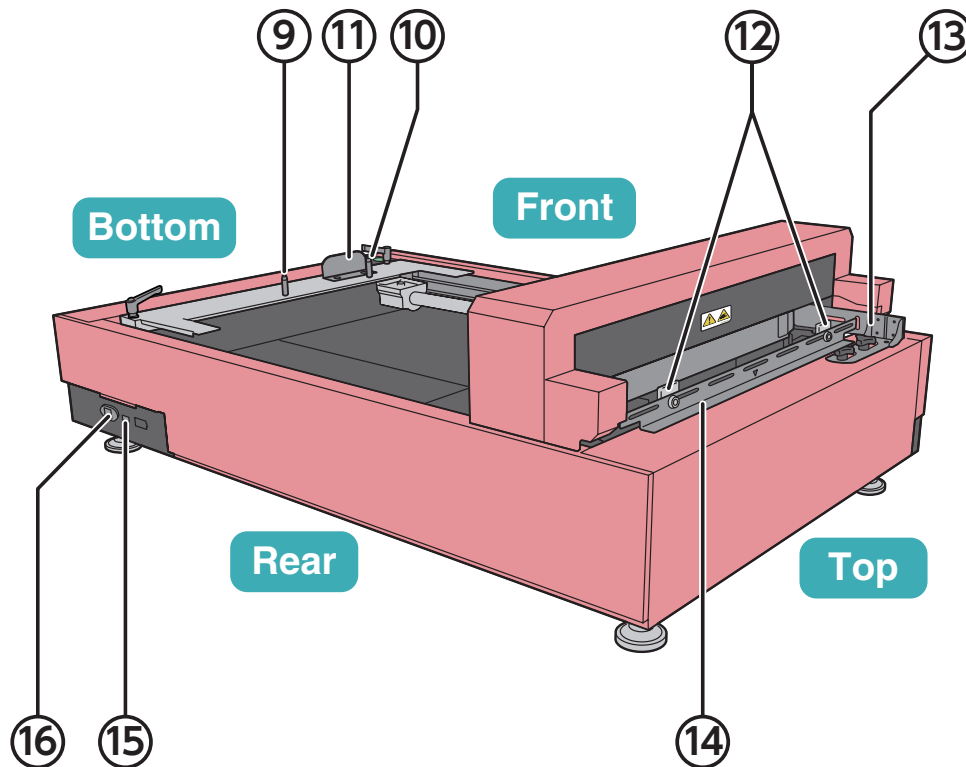
Turn this handle counterclockwise to make the stage movable. Turn this handle clockwise to secure the stage.

⑦ **Adjuster Feet (x 4)**

Rotate the bolts to adjust the levelness of the machine.

 Notes on Operation Environment ► P. 15

Rear/Top Side



- ⑧ **Thermal Print Head Protection Cover (x 2)**
These are protective covers that prevent directly touching the thermal print head. These are installed when the outer frame width of the screen frame size is 460 mm (18.11") or less. Their positions cannot be changed.

! Important

To change the size (width) of the screen frame to be used, contact your dealer or authorized service representative.

- ⑨ **Bottom Guide Pin**
Position the Bottom side of the screen frame.
- ⑩ **Bottom Stopper Pin**
Fasten the Bottom side of the screen frame.
- ⑪ **Frame Bottom Set**
This is used when moving the Stage.

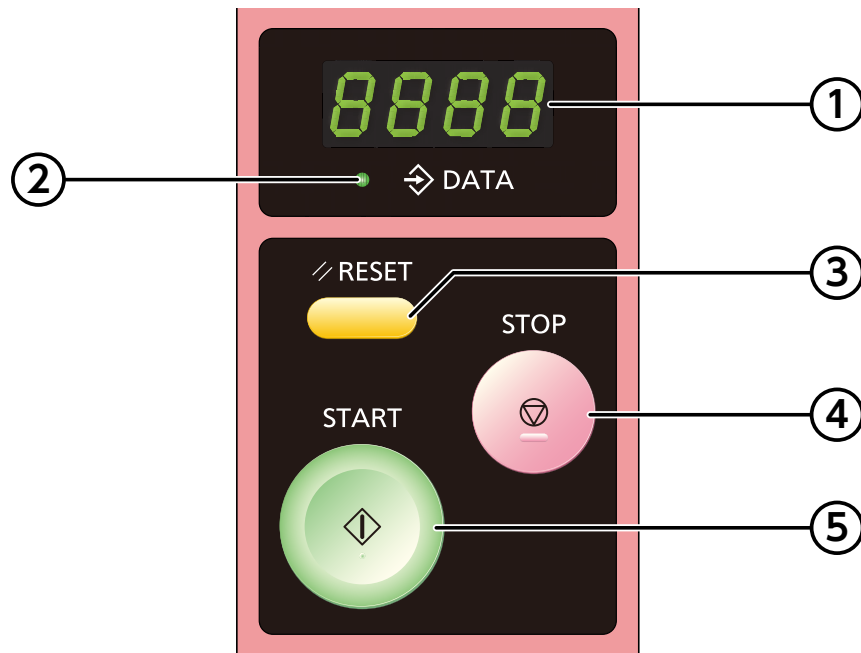
- ⑫ **Screen Frame Retainer (x 2)**
Determines the position of the screen frame (x 2 on the Top side). Can be moved to a position of your choice and fixed with the screws.
- ⑬ **Screen Frame Side Guide (Front)**
Secures the front side of the screen frame. Includes 1 Screen Frame Retainer.



You can unscrew this guide, turn it over and attach it on the rear side of the machine. (This is convenient when installing the machine so that the Top side of the machine is on your right side, according to the usage environment.)

- ⑭ **Screen Frame Top Guide**
Secures the Top side of the screen frame. Includes 2 Screen Frame Retainers. The ▽ mark for position alignment is used to align the center of the screen frame.
- ⑮ **USB Port**
Used to connect a USB cable.
- ⑯ **Power Connector**
Used to connect the power cord.

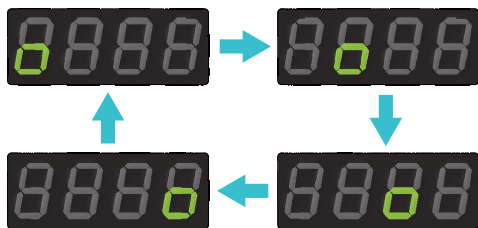
Control Panel



① Display


Indicates the screen making status of the machine using 7 segment graphics.

(Example) During screen making



Also indicates setting values, the Custom Setting mode, and error numbers.

 Custom Setting Mode ▶ P. 63

 Troubleshooting ▶ P. 73

② DATA Indicator

The LED blinks or turns on to indicate the status of the machine.

- Blinking: Receiving data
- On : Data reception complete

③ RESET Key

Press to return the Custom Setting Mode and other settings to their default values or clear errors.

④ STOP Key

Press during screen making to stop screen making.

It also operates as the confirmation key when entering setting values in the Custom Setting Mode.

⑤ START Key

Press to confirm settings in the Custom Setting Mode or start an operation.

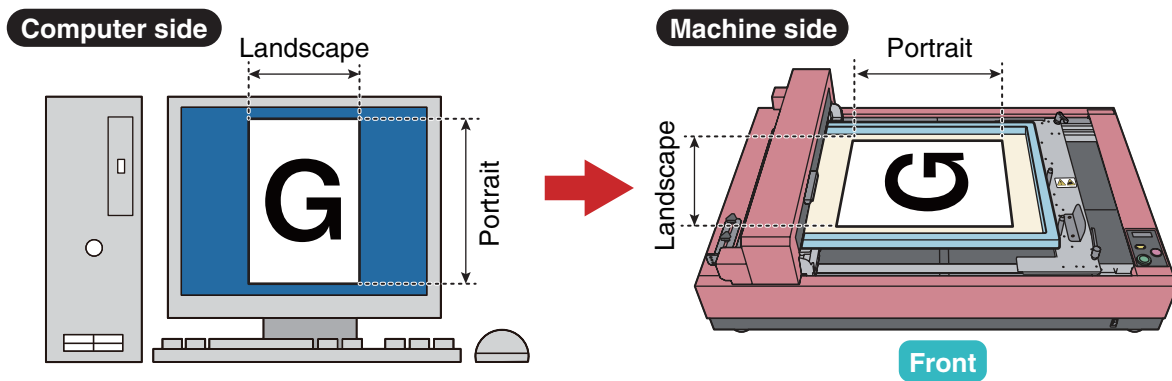
Information on Screen Making

Make sure to read this section carefully in order to perform screen making in a safe and appropriate manner.

Direction and Size of Screen Making


Image Orientation


The relationship between the orientation of the original data created on the computer and the orientation of the image transferred onto a screen is as follows.



! Important

- The machine can use an ordinary screen frame or a frame with reference part.
- The write start position and installation method differ according to the frame used.

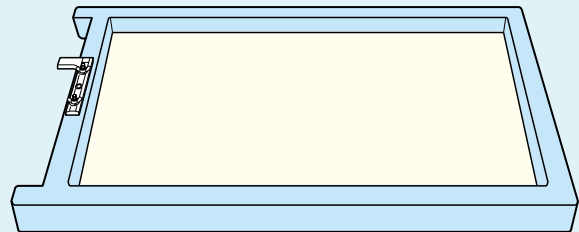
 Screen Making Area ▶ P. 27

 Preparing the Machine ▶ P. 32

Ordinary screen frame:



Frame with reference part:



Screen Frame Size

! Important

- Using a screen frame that exceeds the maximum size may cause malfunction.
- When using a frame with reference part, the total of the reference part length and frame thickness must not exceed 53 mm (2.09").

The following screen frame sizes can be used with the machine.

	Width	Length
Minimum Size	Inner dimension: 400 mm (15.75")	Inner dimension: 270 mm (10.63")
Maximum Size	Outer dimension: 635 mm (25.00")	Outer dimension: 914 mm (35.98") ¹ Outer dimension: 922 mm (36.30") ²

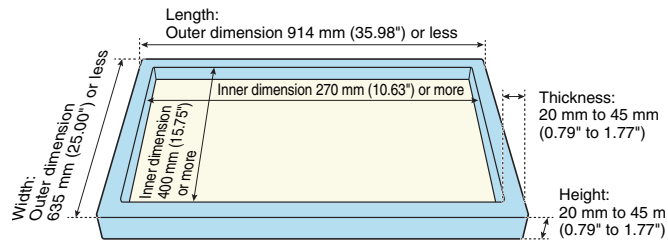
1 For an ordinary screen frame

2 For a frame with reference part

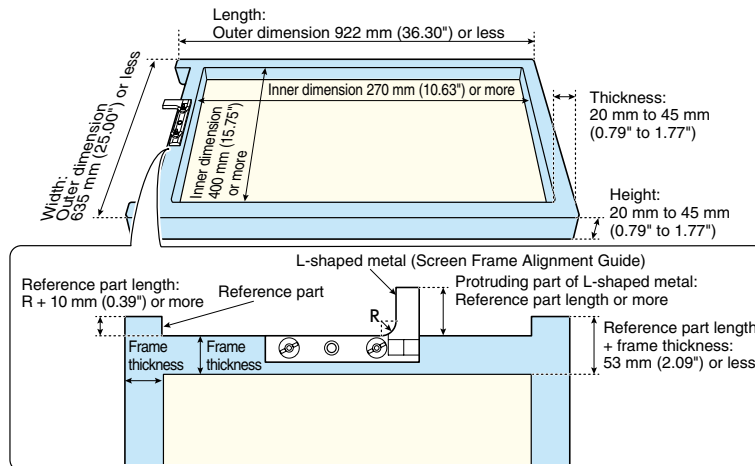


- The “Width” of the frame outer dimensions indicates the width from the front side to the rear side of the screen frame, and the “Length” indicates the length from the Top side to the Bottom side of the screen frame.
- For a frame with reference part, have the “Length” of the frame outer dimensions be from the end of the reference part to the Bottom.

Ordinary screen frame:



Frame with reference part:



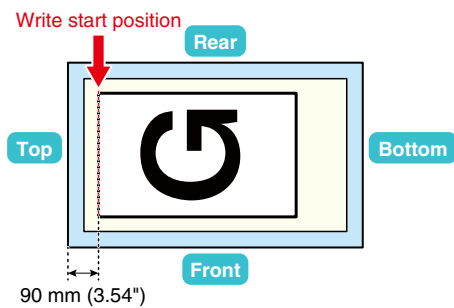
Screen Making Area

Write Start Position

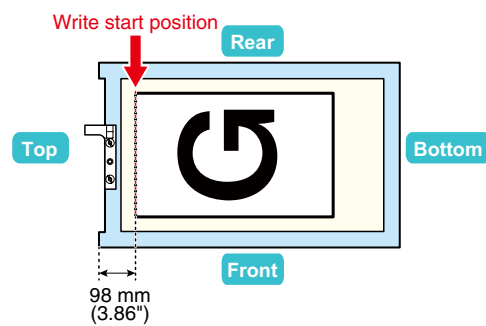
Screen making starts from the Top side of the screen frame.

The write start position is fixed to 90 mm (3.54") from the outer edge of the screen frame when using an ordinary screen frame. When using a frame with reference part, the screen making start position is fixed to 98 mm (3.86") from the end of the reference part. Both positions cannot be changed.

Ordinary screen frame:



Frame with reference part:



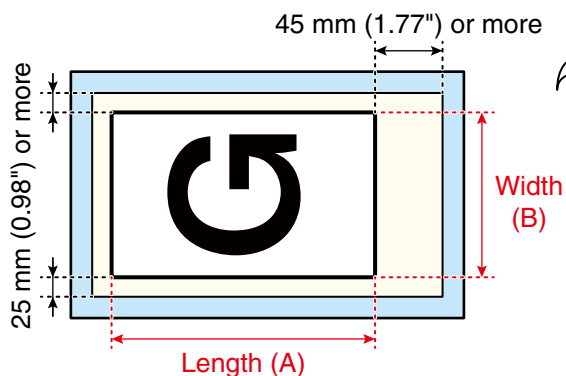
Margin and Image Area

Always consider that there will be a margin between the screen frame and the transferred image.

The minimum margin size is 45 mm (1.77") on the Bottom side and 25 mm (0.98") on the Front side and Rear side, from the inside of the screen frame.

The minimum size of the image area is 10 mm x 10 mm (0.39" x 0.39").

The maximum size can be calculated as follows.



Minimum: 10 mm (0.39")
Maximum: 350 mm (13.78")

Minimum: 10 mm (0.39")
Maximum: The following value

Ordinary screen frame:

Length of screen frame outer dimensions	–	Screen frame thickness	–	135 mm (5.31")*
---	---	------------------------	---	-----------------

Frame with reference part:

Length of screen frame outer dimensions	–	Screen frame thickness	–	143 mm (5.63")*
---	---	------------------------	---	-----------------

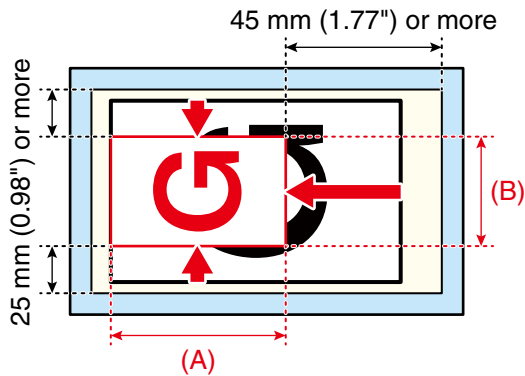
*Write start position + Minimum margin size


Image Size and Orientation

If the image size of the original data exceeds the image area, any part outside the image area will not be transferred to the screen. Use a screen frame suitable for the image size of the original data you want to output.

Reducing Images

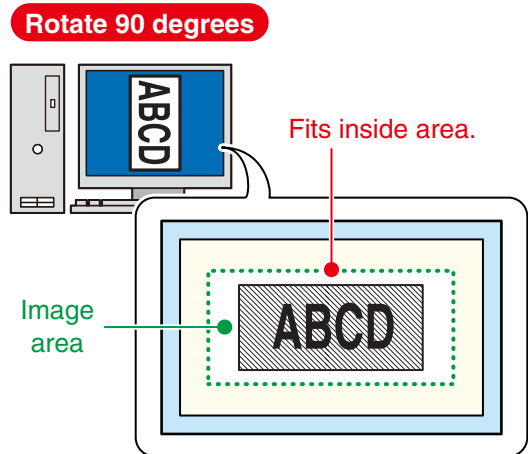
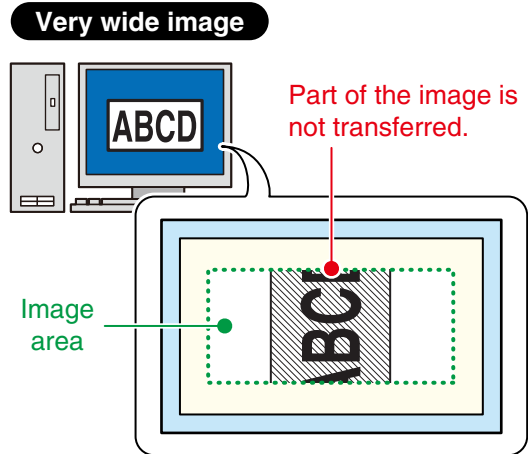
You can use the zoom out function of the printer driver to make the image size of the original data fit inside the image area.



 Margin and Image Area ► P. 27

Rotating Images

Rotate the image 90 degrees in the printer driver to make it fit inside the image area.



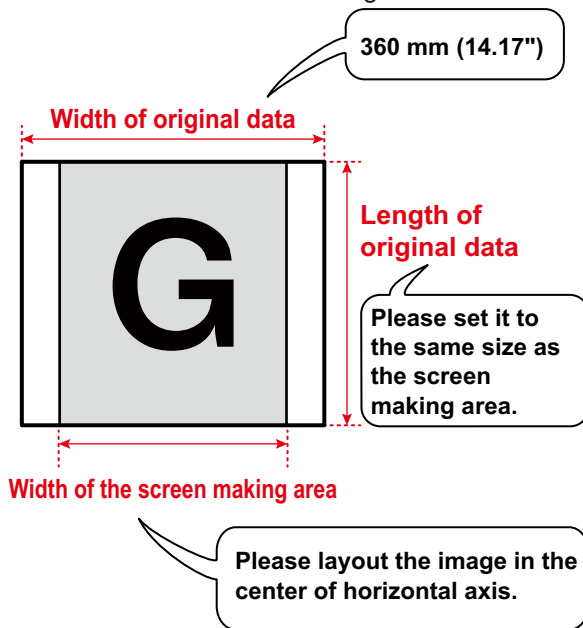
 Rotation / Mirror Image ► P. 83

Handling Original Data

Original Data Size

Pay attention to the following when sending data with Windows.

- Width of original data: 360 mm (14.17")
- Width of screen making area: 350 mm (13.78") or less
- The screen making area is positioned in the horizontal center of the original data.
- The length of the original data is the same as that of the screen making area.

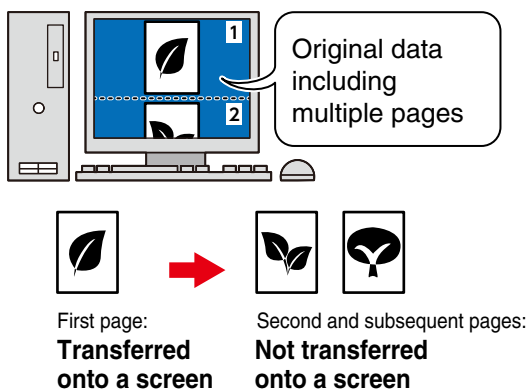


! Important

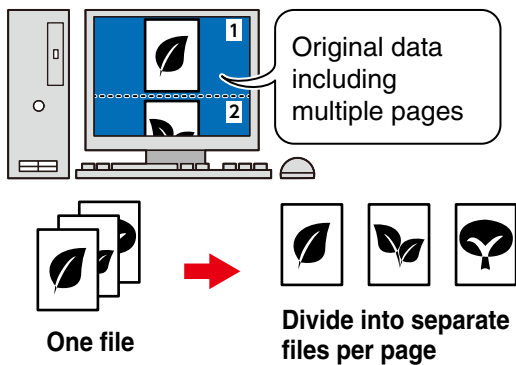
- Do not place data outside the screen making area.
- Writing is possible up to a width of 360 mm (14.17"), but the guaranteed write width is 350 mm (13.78").
- When sending data on Mac OS, please prepare the original data to be equal to the size of the screen making area.

Image Data with Multiple Pages

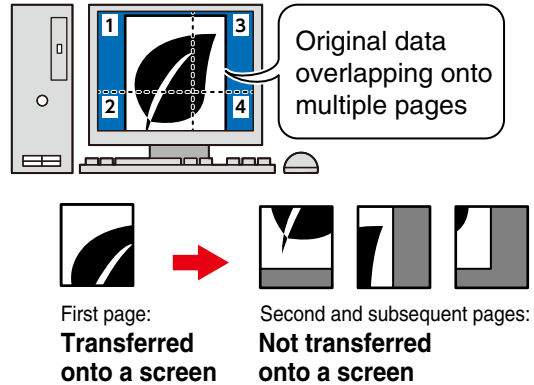
If you transmit original data with multiple pages, only the first page will be transferred onto the screen. The second and subsequent pages are not transferred and their data is not saved.



When transferring multiple pages, divide the original data into pages with separate file names and perform screen making for each file.



Only the first page is transferred for original data that has accidentally overlapped onto multiple pages. Make sure to check the page layout when editing the original data.



Timing for Data Transmission

Make sure that the previous screen making operation is complete and a new screen frame has been set before transmitting the original data.

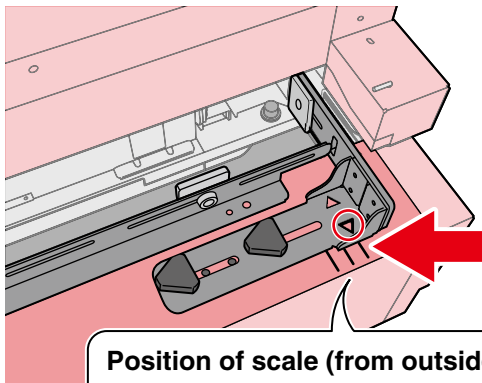
If you transmit the next original data during screen making, it will not be transferred and the original data will not be saved.

Tips for Smooth Screen Making

Screen Frame Side Guide Installation

The exterior of the machine on the Top side has a scale to enable the Screen Frame Side Guide to be quickly and easily installed.

Align the reference mark of the Screen Frame Side Guide with this scale according to the size of the screen frame that will be used.



Position of scale (from outside)

- ✓ 635 mm (25.00")
- ✓ 610 mm (24.02")
- ✓ 584 mm (23.00")

Screen Master Tension


Various problems may occur if the tension of the screen master attached to the screen frame is too loose, such as misalignment in image transfer or blurry images.

Although the appropriate value varies according to the screen frame size, an appropriate result may not be obtained if the tension of the screen master is loose like 10 N/cm or less.

Screen Making Energy

It is necessary to change the heat level of the Thermal Print Head according to the mesh count of the Screen Master being used.

Check Custom Setting Mode No. 017 [Screen Making Energy Variables] for details.

 Settings in the Custom Setting Mode ►
P. 67

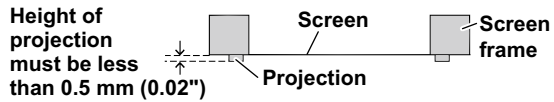
Preparing the Machine

About the Screen Frame

⚠ Caution

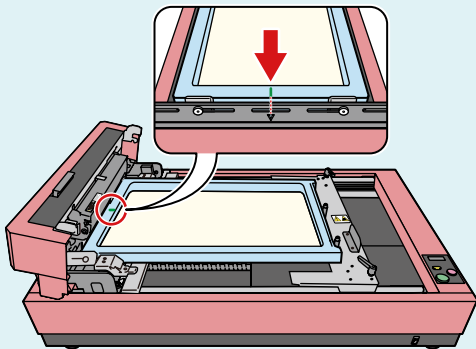
- Do not use a screen frame with a projection of 0.5 mm (0.02") or more from the bottom of the screen frame. The thermal print head may be damaged during screen making.

(Screen frame profile view)



! Important

- Set the screen frame in the center of the machine. Insufficient centering may cause misalignment during image transfer. Attach a mark in the center of the screen frame in advance.

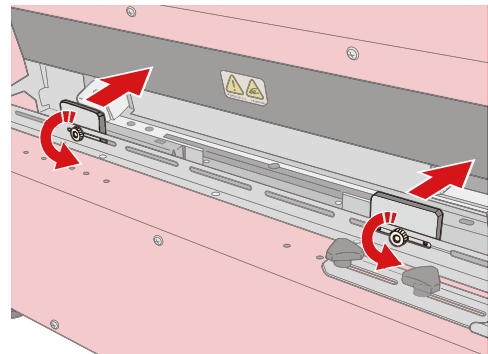


Using a Frame with Reference Part

Follow the procedure below to use a frame with reference part.

NOTE An ordinary screen frame is set at the time of shipping.

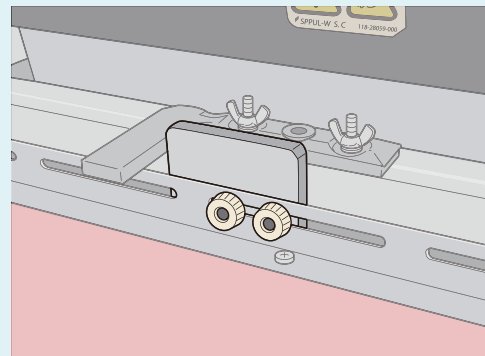
- 1 Close the Screen Making Unit.
- 2 Remove the 2 Screen Frame Retainers.



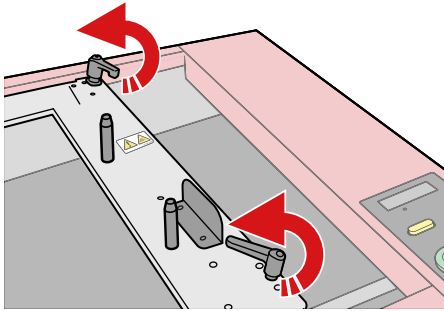
- 3 Attach 1 Screen Frame Retainer.

! Important

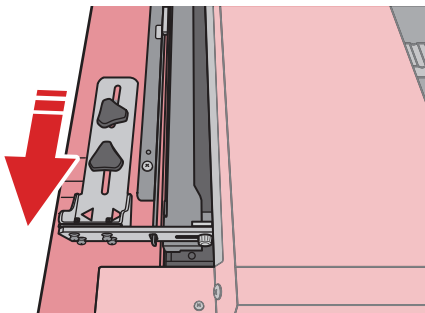
- The other Screen Frame Retainer is not used. Store it in a safe place.
- Secure 2 of the 3 holes on the Screen Frame Retainer with screws.



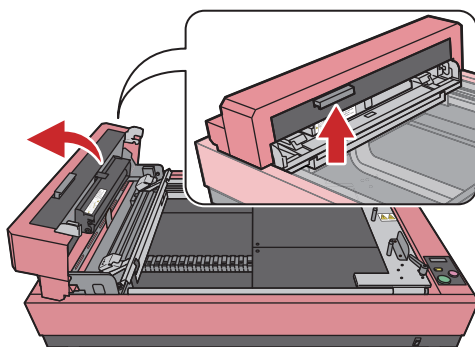
- 4 Loosen the Stage Handle to make the stage movable.



- 5 Open the Screen Frame Side Guide all the way to maximum width position.



- 6 Push up the Screen Making Unit Open Lever and open the Screen Making Unit.

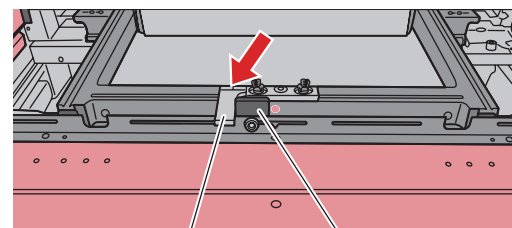


- 7 Place the frame with reference part against the Screen Frame Top Guide.

- 8 Align the center mark on the screen frame with the ▽ mark on the Screen Frame Top Guide.

- 9 Close the Screen Making Unit.

- 10 Place the Screen Frame Retainer against the Screen Frame Alignment Guide to align the position.



Screen Frame
Alignment Guide

Screen Frame
Retainer

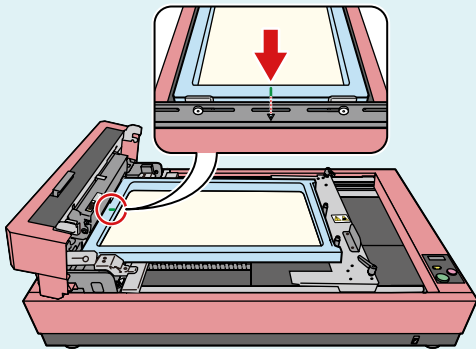
Setting the Screen Frame

Caution

- When holding the screen frame, hold it carefully with both hands to ensure that it does not hit the machine or drop onto the floor.
- Take care to ensure that the screen frame does not touch the Thermal Print Head.

Important

- Set the screen frame in the center of the machine. Insufficient centering may cause misalignment during image transfer. Attach a mark in the center of the screen frame in advance.



- It is necessary to change the heat level of the Thermal Print Head according to the mesh count of the Screen Master being used.

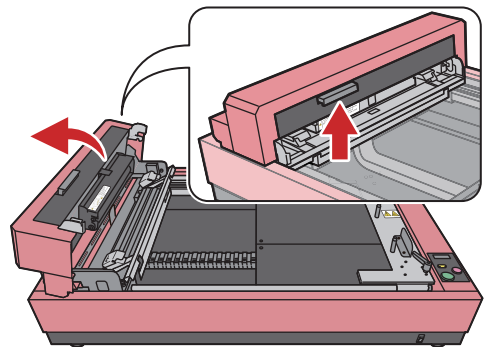
Check Custom Setting Mode No. 017 [Screen Making Energy Variables] for details.



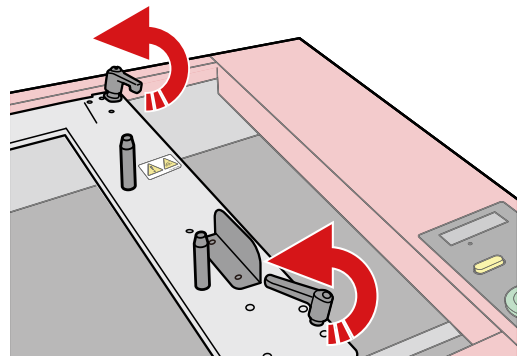
Settings in the Custom Setting Mode
▶ P. 67

For an Ordinary Screen Frame

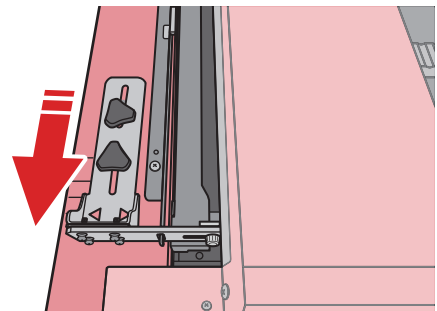
- 1 Push up the Screen Making Unit Open Lever and open the Screen Making Unit.



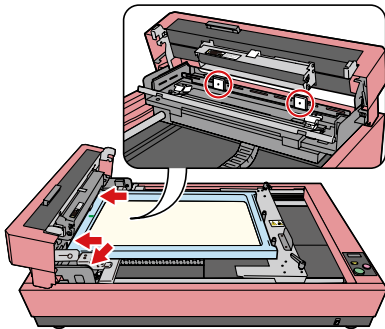
- 2 Loosen the Stage Handle to make the Stage movable.



- 3 Move the Screen Frame Side Guide toward yourself.

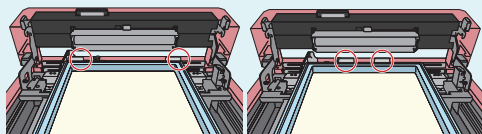


- 4 Place the screen frame with screen master attached against the 2 Screen Frame Retainers and Screen Frame Side Guide.



! Important

In order to stabilize the screen frame, set the Screen Frame Retainer on the wide side.

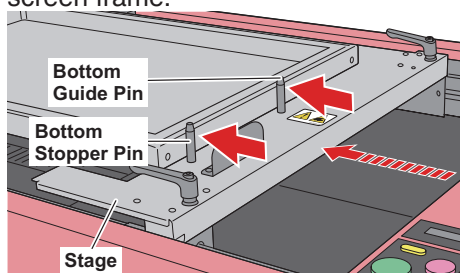


OK

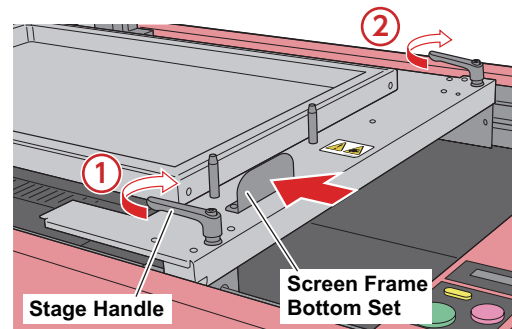
Not OK

Screen Frame Retainer ► P. 23

- 5 Adjust the Screen Frame Side Guide so that the mark on the screen frame is aligned with the arrow on the Screen Frame Top Guide.
- 6 Secure the Screen Frame Side Guide.
- 7 Move the Stage while holding down the screen frame and place the Bottom Guide Pin firmly against the Bottom side of the screen frame.



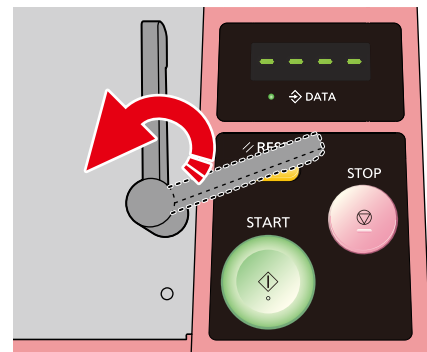
- 8 While pressing the Screen frame Bottom Set Set in the direction of the screen frame, tighten the Stage Handle (x 2).



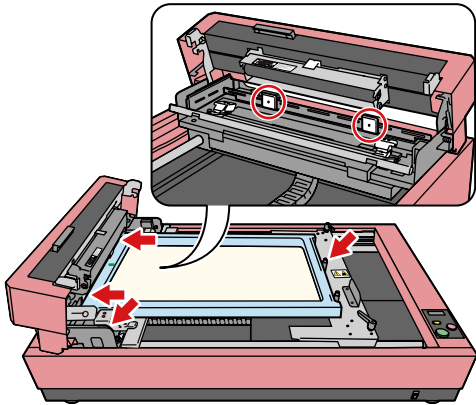
! Important

- Fasten the stage with the Bottom Stopper Pin in contact with the screen frame.
- The Stage may move during operation if the Stage Handle is loose. Make sure to tighten the Stage Handle securely.
- The Stage Handle on the Rear side must be turned more than the Front side.

NOTE If the handle is located on the Control Panel and blocks screen making operations, it can be pulled up and adjusted to a lock position of your choice.

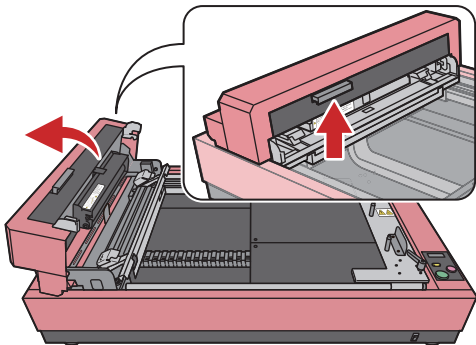


- 9 Check that the screen frame is in contact with the Screen Frame Retainer (x 2), the Screen Frame Side Guide and the Bottom Guide Pin, then close the Screen Making Unit.

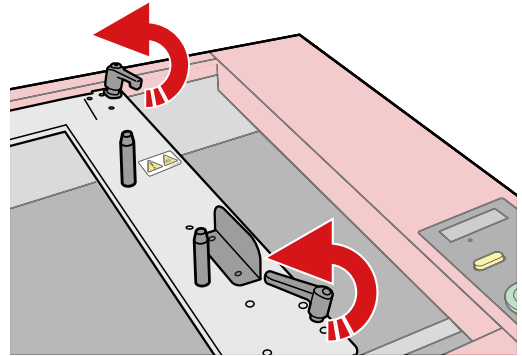


For a Frame With Reference Part

- 1 Push up the screen making unit open lever and open the screen making unit.





- 2 Loosen the Stage Handle to make the stage movable.

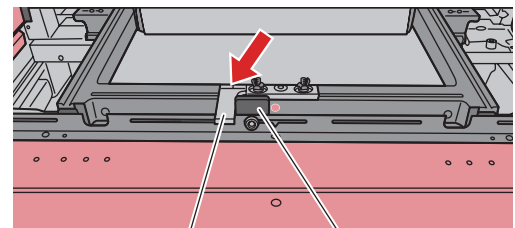


- 3 Place the screen frame with screen master attached against the Screen Frame Top Guide.

- 4 Place the Screen Frame Retainer against the Screen Frame Alignment Guide to align the position.

 **NOTE** If the screen frame mark and the ∇ mark on the top guide are not aligned with each other, adjust the Screen Frame Retainer.

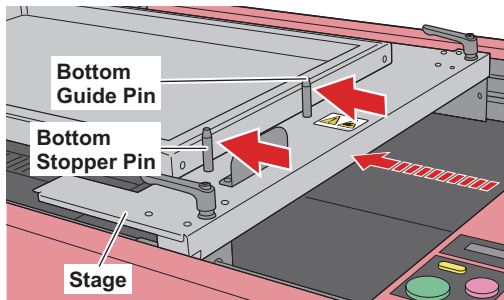
 Using a Frame with Reference Part ▶ P. 32



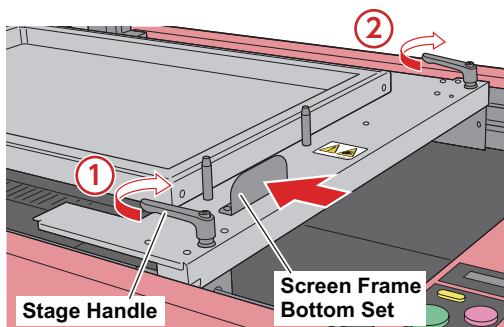
Screen Frame Alignment Guide

Screen Frame Retainer

- 5 Move the stage while holding the screen frame and bring the bottom guide pin into firm contact with the Bottom side of the screen frame.



- 6 While pressing the Screen Frame Bottom Set in the direction of the screen frame, tighten the Stage Handle (x 2).

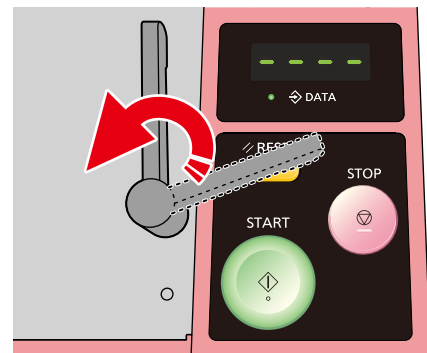


! Important

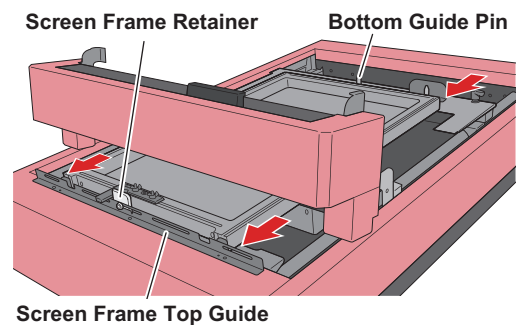
- Fasten the stage with the bottom stopper pin in contact with the screen frame.
- The stage may move during operation if the stage handle is loose. Make sure to tighten the stage handle securely.
- The Stage Handle on the Rear side must be turned more than the Front side.



If the handle is located on the control panel and blocks screen making operations, it can be pulled up and adjusted to a lock position of your choice.

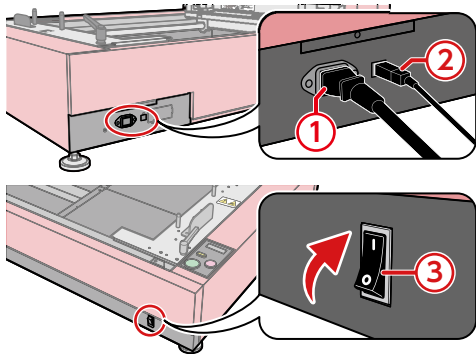


- 7 Check that the screen frame is in contact with the screen frame top guide, Screen Frame Retainer, and bottom guide pin, and then close the screen making unit.



Connecting the Cable and Power Supply

- 1 Connect the power cord to the machine, and then connect the machine and computer via a USB cable.
- 2 Turn the Power Switch of the machine on.



- ① Connect the power cord (left).
- ② Connect the USB cable (right).
- ③ Turn the Power Switch on.

3. Installing the Printer Driver

Before Installation.....	40
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Before Installation

Prepare a commercially available USB cable (less than 3 m (10 feet), compliant with Hi-Speed USB).

Important

- If you use a USB cable that is 3 m (10 feet) or longer or a non-standard USB cable, it may not operate correctly.
- If you connect or disconnect the USB cable when not instructed to do so, the installation may not be performed correctly and data may not be able to be transmitted. In this case, uninstall the printer driver and then install it again.



Uninstallation Procedure:

For Windows ► P. 43

For Mac OS ► P. 46

- Make sure to follow the instructions during installation. Do not install the printer driver from [Add Printer]. The installation may not be performed correctly and data may not be able to be transmitted.
- Log on to Windows with an account (Administrator, etc.) that has the authority to change the system settings.
- This printer driver does not support server OS or printer sharing.
- When reinstalling a printer driver of the same series to Windows, such as when updating the driver or changing the cable connection method, it is necessary to delete the driver package. Uninstall the printer driver before performing a new installation.



Uninstallation Procedure (Windows)

► P. 43

The printer driver can also be installed manually as required (Windows only).



Manually Installing the Printer Driver

► P. 82

Installation

Windows

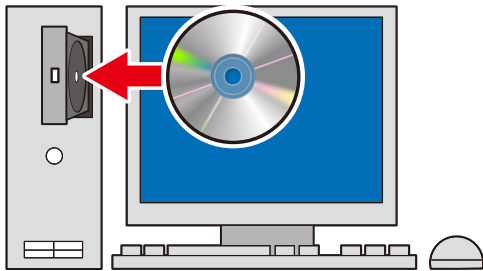
Installation Procedure

! Important

- When upgrading the printer driver, uninstall the old version of the driver first.
- Install the printer driver before connecting the machine.

- 1 Insert the included [RISO GOCCOPRO Printer Driver] CD-ROM into the CD-ROM drive of your computer.

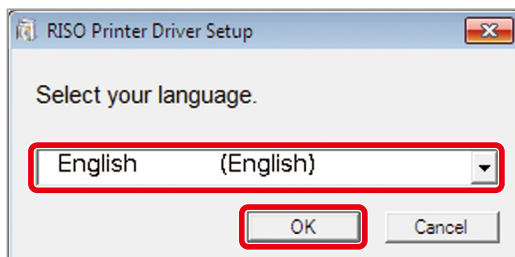
The installer is automatically started.



NOTE If the [User Account Control] dialog box appears, click [Yes].

If the installer does not start up, double-click on the [Install.exe] file on the CD-ROM.

- 2 Select your language from the drop-down list, and click [OK].



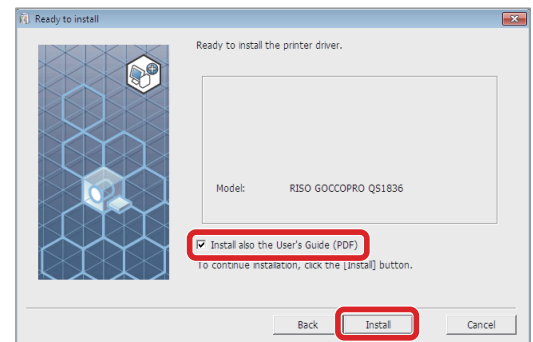
- 3 When [Before installation] dialog box appears, click [Next].

- 4 Follow the instructions in the dialog box.

- 5 Click [Install] in the [Ready to install] dialog box.

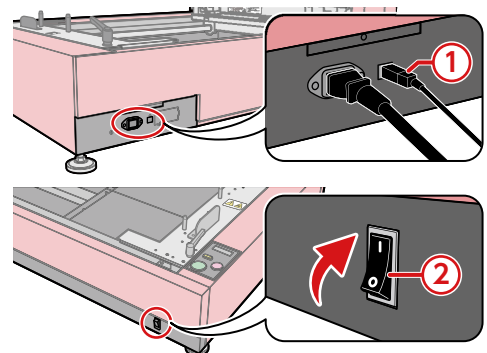
The installation process is automatically started.

Continue with the installation even if the [Windows Security] dialog box is displayed.



NOTE If you select the [Install also the User's Guide (PDF)] check box, you can check the user's guide (this document) from [GOCCOPRO QS1836] in the Windows Start menu.

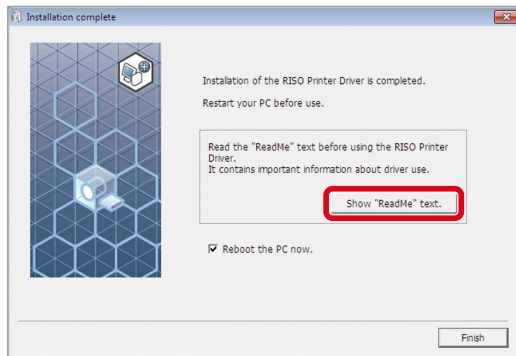
- 6 Connect the machine to the computer via a USB cable, and then turn the power switch of the machine on.



- ① Connect the USB cable.
- ② Turn the Power Switch on.

7 When the [USB port setting] dialog box appears, click [OK].

8 Click [Show “ReadMe” text.].



! Important

Make sure to read the cautions for use before using the machine.

9 Select the [Reboot the PC Now] check box, and click [Finish].

The computer is rebooted automatically.

If the [Found New Hardware] dialog box is displayed, click [Cancel].



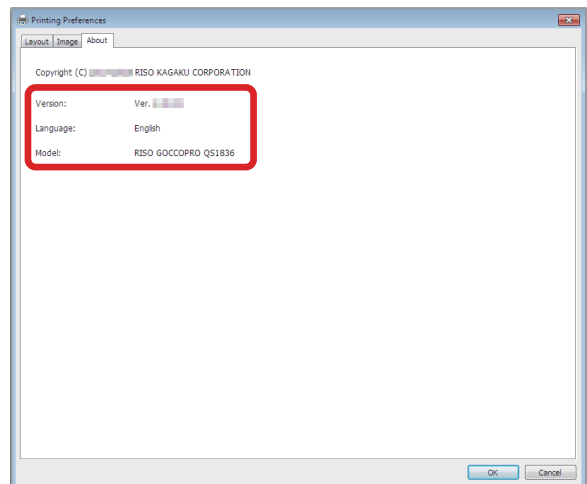
If you do not want to reboot the computer immediately, deselect the [Reboot the PC now.] check box before clicking [Finish].

10 After the computer has rebooted, open the [Devices and Printers] dialog box and check that [RISO GOCCOPRO QS1836] is installed.

11 Remove the [RISO GOCCOPRO Printer Driver] CD-ROM from your computer.

Checking the Version Information

Display the printer properties dialog box, and click the [About] tab.



① Version

The version of the printer driver that is installed

② Language

The language of the printer driver that is installed

③ Model

The model name of the machine
“RISO GOCCOPRO QS1836”

Uninstallation Procedure

! Important

- To uninstall the printer driver, it is necessary to log on to Windows with an account (Administrator, etc.) that has the authority to change the system settings.
- Uninstall the printer driver with the power switch of the machine turned OFF or the USB cable disconnected.


1 Start the uninstaller.

For Windows 10

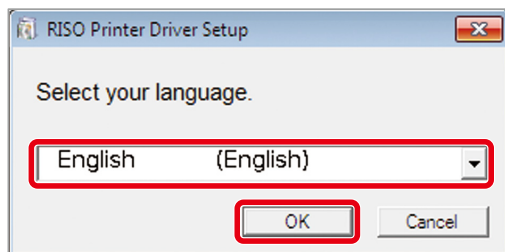
Click [Start] > [RISO GOCCOPRO QS1836] > [Uninstaller].

For Windows 8.1

Open the [Apps] dialog box, and click [Uninstaller] for [RISO GOCCOPRO QS1836].

 If the [User Account Control] dialog box appears, click [Yes].


2 Select your language from the drop-down list, and click [OK].

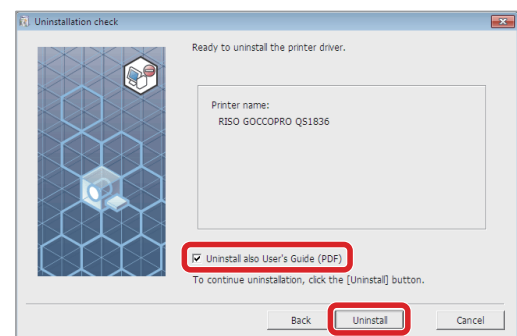


3 Click [Next].

4 Select [RISO GOCCOPRO QS1836], and click [Next].


5 Click [Uninstall].

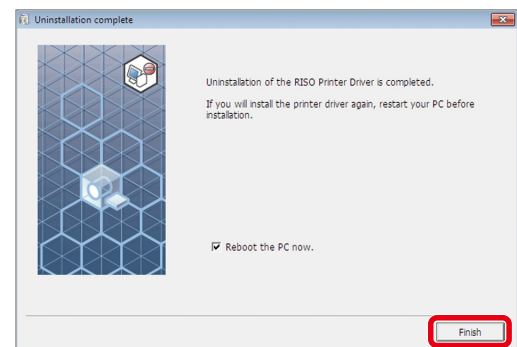
 If the [Uninstall also User's Guide (PDF)] check box is selected, the instruction manual (PDF format) will be uninstalled as well.



6 Click [Finish].

When uninstalling the printer driver, be sure to reboot the computer.

 If the [Reboot the PC now.] check box is selected, the computer reboots when [Finish] is clicked.



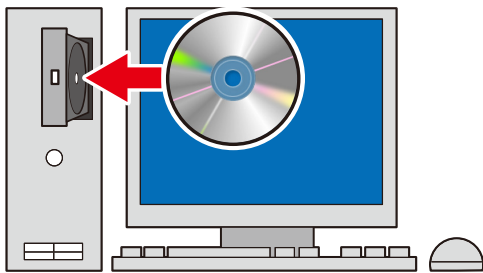
Mac OS

Installation Procedure

! Important

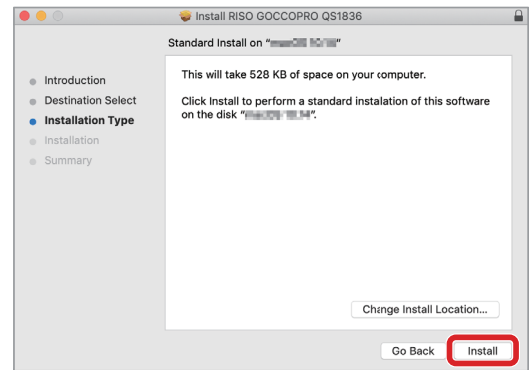
- When upgrading the printer driver, uninstall the old version of the driver first.
- Install the printer driver before connecting the machine.

- 1 Insert the included [RISO GOCCOPRO Printer Driver] CD-ROM into the CD-ROM drive of your computer.



- 2 Double-click the [RISO GOCCOPRO QS1836.pkg] installer.
- 3 In the [Introduction] dialog box, click [Continue].

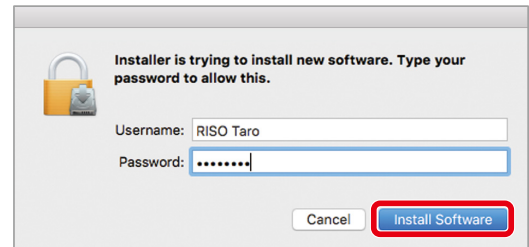
- 4 In the [Installation Type] dialog box, click [Install].



NOTE To change the installation destination to something other than "Macintosh HD", click [Destination Select], and select the installation destination.

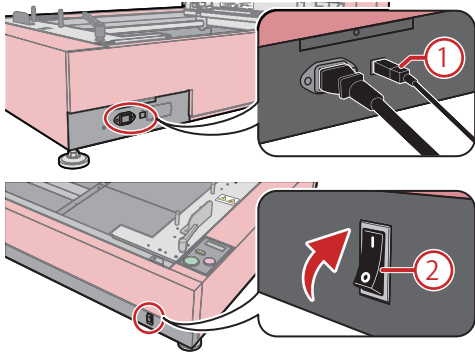
- 5 Enter [Username] and [Password], and click [Install Software].

The installation process is automatically started.



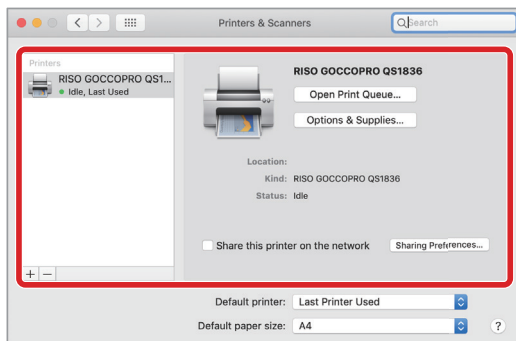
- 6 When [This installation was successful] appears in the [Summary] dialog box, click [Close].
- 7 Reboot your computer.
- 8 Double-click [Printers & Scanners] in the [System Preferences] dialog box.
The [Printers & Scanners] dialog box is displayed.

- 9 Connect the machine to the computer via a USB cable, and then turn the power switch of the machine on.



- ① Connect the USB cable.
② Turn the Power Switch on.

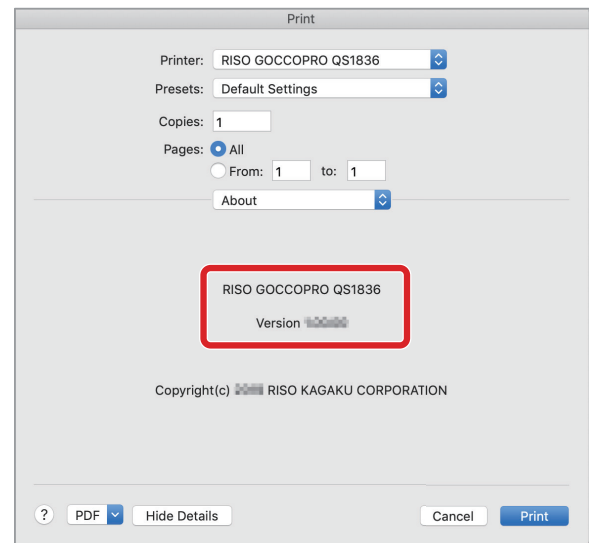
- 10 Check that the machine has been detected and [GOCCOPRO QS1836] is displayed.



- 11 Remove the [RISO GOCCOPRO Printer Driver] CD-ROM from your computer.

Checking the Version Information

Display the printer settings dialog box, and select [About] from the drop-down list.



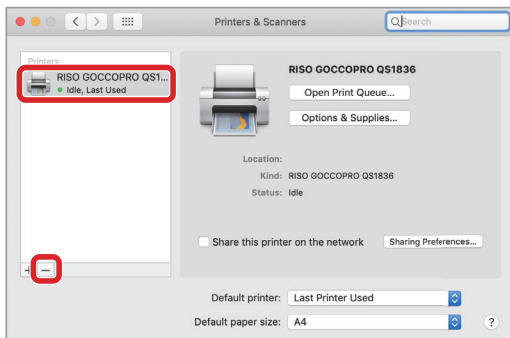
- ① Model
The model name of the machine
"RISO GOCCOPRO QS1836"
- ② Version
The version of the printer driver that is installed

Uninstallation Procedure

! Important

Uninstall the printer driver with the power switch of the machine turned OFF or the USB cable disconnected.

- 1 Double-click [Printers & Scanners] in the [System Preferences] dialog box.
- 2 In the [Printers & Scanners] dialog box, select the [GOCCOPRO QS1836] check box, and click [-].



- 3 In the [Printers & Scanners] dialog box, confirm that [GOCCOPRO QS1836] has disappeared.

4. Setting the Printer Driver

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Operating and Setting Screen Making

This section describes the procedure for transmitting original data to the machine and the settings that can be configured in the printer driver.

Windows


Transmitting the Original Data

Transmit original data created on a Windows computer to the machine.


You can change settings such as image quality using the printer driver.

! Important

- Make sure to check that the image fits within the image area before transmitting the original data.

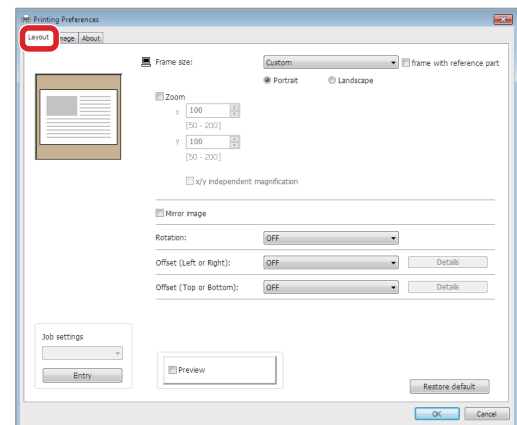
 Image Size and Orientation ► P. 28

- Make sure to check the page layout before transmitting the original data, such as whether the original data contains multiple pages. Also make sure that the previous screen making operation is complete and a new screen frame has been set before transmitting the original data.

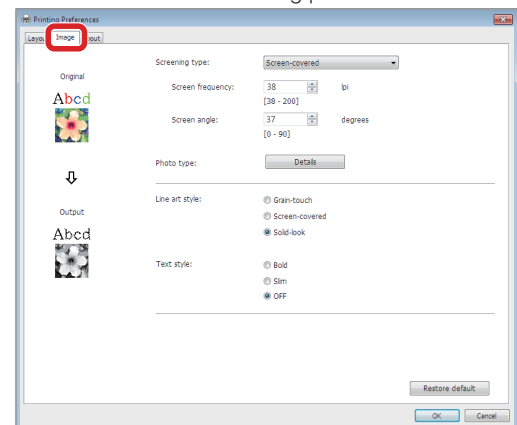
 Handling Original Data ► P. 29

- 1 Create original data using an application of your choice on your computer.
- 2 Perform the printing procedure in the application to display the [Print] dialog box.
- 3 Select [RISO GOCCOPRO QS1836] in [Printer Name].
- 4 Click [Properties] for the printer.


- 5 Configure the various settings on the [Layout] tab and [Image] tab.




[Layout]: Contains settings regarding the screen frame size and screen making process.



[Image]: Contains settings regarding the screening type.

 Setting the Screen Frame Size and Screen Making Process on the [Layout] Tab ► P. 52


 Setting the Screening Type on the [Image] Tab ► P. 54

- 6 When the settings have been made, check a preview in [Preview], and click [OK].
- 7 When the dialog box returns to the [Print] dialog box, click [Print].
The [Preview] dialog box appears.
- 8 Confirm the size and orientation of the image and that the image is contained within the image area, and click [Continue].
The original data is transmitted from your computer to the machine.


Registering the Screen Frame Size on the [Environment] Tab

! Important

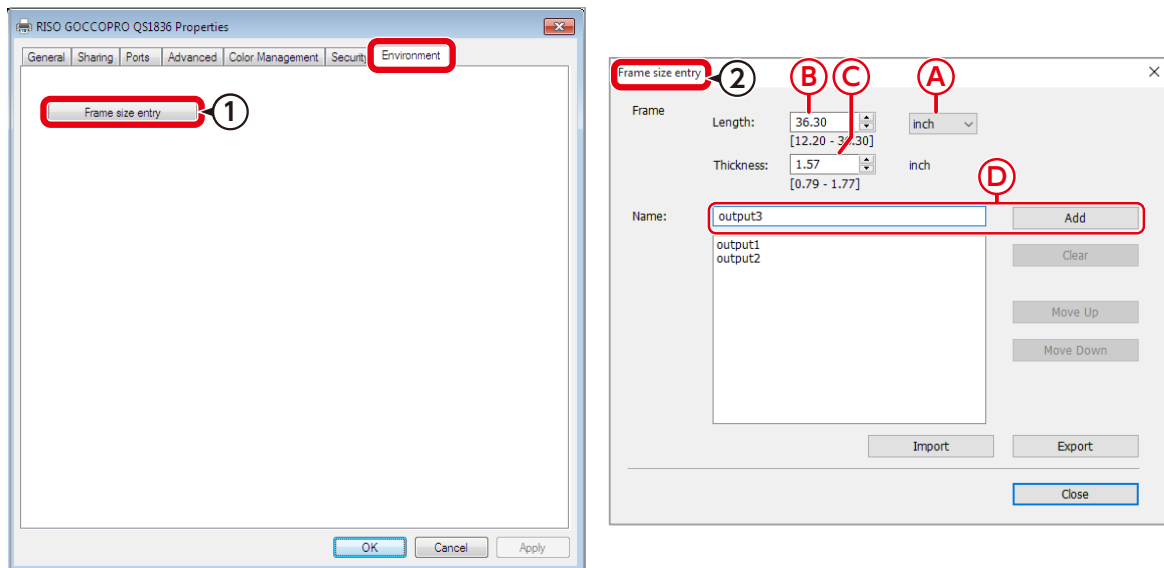
The screen frame size must be registered before performing screen making. When registering the screen frame size, make sure to check the relationship between the screen making direction and size.

 Information on Screen Making ► P. 25

Register the screen frame size in the [Devices and Printers] dialog box.

 **NOTE** The screen frame size cannot be set when performing the print operation in the application (while transmitting the original data).

Click [Frame size entry] on the [Environment] tab in the [Properties] dialog box of the printer driver to show the [Frame size entry] dialog box.



① Click [Frame size entry].

② Set the screen frame size in the [Frame size entry] dialog box.

	Item	Description	Setting Values	Details
A	mm/ inch	Switches the unit of measurement	<u>mm</u> inch	Select the desired item from the drop-down list.
B	Length	Length of frame outer dimensions	310 mm to <u>922 mm</u> (12.20" to <u>36.30"</u>)	Enter the dimensions.*
C	Thickness	Thickness of frame	20 mm to 45 mm (0.79" to 1.77")	Enter the dimensions.* The default value is 40 mm (1.57").
D	Name	Registered name for screen frame size	-	Enter the name.

The underlined value of the setting values indicates the default value.

*Enter the value in increments of 1 mm (0.01").



• If the registered screen frame size is not reflected, log on to Windows with an account (Administrator, etc.) that has the authority to change the system settings, and then register the screen frame size again.

- The range of values that can be entered is the same as the range of screen frame sizes supported by the machine.
- The image area differs according to the screen frame size.



Direction and Size of Screen Making ► P. 25



Margin and Image Area ► P. 27

A maximum of 30 screen frame sizes can be registered.

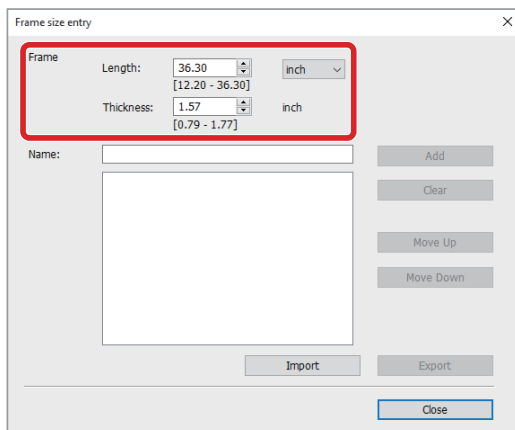
Numerals, letters, spaces, and symbols can be used in a registered name. A maximum of 30 characters can be entered.


However, the following characters cannot be used.

Character	Name
"	Double quotation mark
*	Asterisk
/	Slash
:	Colon
<	Less than
>	Greater than
?	Question mark

The procedure for registering the screen frame size is indicated below.

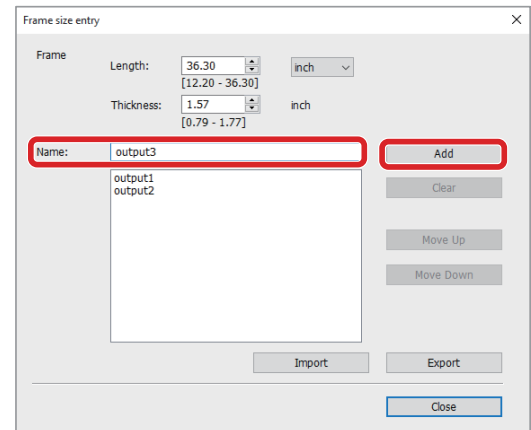
- 1 In the [Devices and Printers] dialog box, double-click the [RISO GOCCOPRO QS1836] icon.
- 2 In the [RISO GOCCOPRO QS1836] dialog box, click [Printer], and select [Properties].
- 3 In the [RISO GOCCOPRO QS1836 Properties] dialog box, click [Frame size entry] on the [Environment] tab.
- 4 In the [Frame size entry] dialog box, set the screen frame size. Configure the settings according to the screen frame to use.




 The unit of measurement can be switched. Enter the value in increments of 1 mm (0.01").

- 5 Register a name for the screen frame size. Enter a name, and click [Add].

The registered name is shown in the list.



-  To erase a registered screen frame size, select the screen frame size and click [Clear].
- To change the order in which a registered screen frame size is displayed, select the screen frame size and click [Move Up] or [Move Down].

- 6 When the settings have been made, click [Close].
- 7 In the [RISO GOCCOPRO QS1836 Properties] dialog box, click [OK] on the [Environment] tab.

Setting the Screen Frame Size and Screen Making Process on the [Layout] Tab

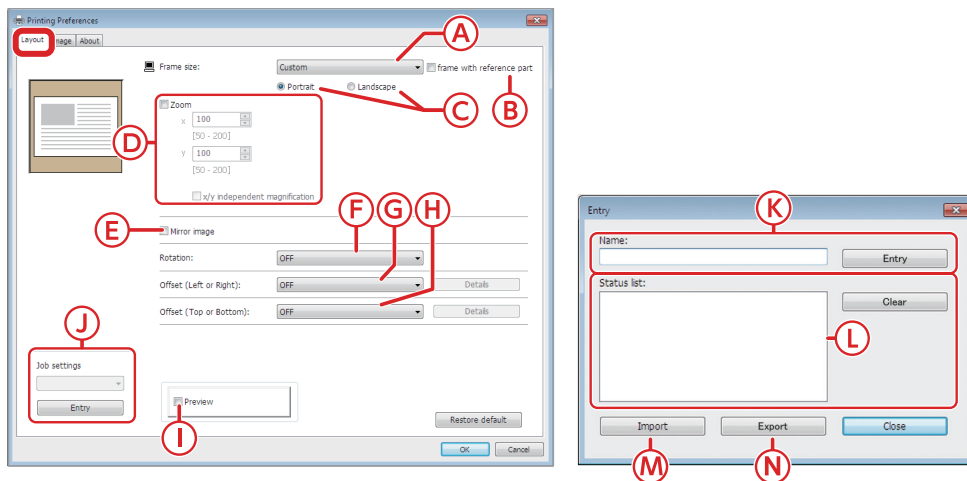
! Important

You can check a preview of how the image will be transferred onto the screen in [Preview]. Confirm the size and orientation of the image and that the image is contained within the image area. Since the width direction is fixed on the screen display, the margin in the width direction differs from the screen making result.

Set the screen frame size and screen making process in the [Properties] dialog box of the printer driver when performing printing in an application.

Select the [Layout] tab to show settings regarding the screen frame size and screen making process.

You can click [Entry] for [Job settings] to show another dialog box for registering new settings or recalling/deleting existing settings.



	Item	Description	Setting Values	Details
A	Frame size	Switches screen frame size	<u>Maximum size 25 x 36.3 inch</u> (width 635 mm x length 922 mm)	Select the desired item from the drop-down list.
			Custom	Enter the desired dimensions in the [Custom] dialog box. Length: 310 mm to 922 mm (12.20" to 36.30") ¹ Thickness: 20 mm to 45 mm (0.79" to 1.77") ¹
			Registered	Select a registered screen frame size.
B	Frame with reference part	Switching to a frame with reference part	<u>OFF</u>	Select this check box to use a frame with reference part.
			ON	
C	Portrait/Landscape ³	The output orientation	<u>Portrait</u>	Select the desired value with the radio button.
			Landscape	

	Item	Description	Setting Values	Details
D	Zoom	The expansion/ contraction of the image	<u>OFF</u> (100%)	Select this check box to enable this setting and enter a zoom ratio. ²
			ON (50% to 200%)	
E	Mirror image ³	Reverses the image horizontally	<u>OFF</u>	Select this check box to enable this set- ting.
			ON	
F	Rotation ³	Rotates the image	<u>OFF</u>	Select the desired item from the drop- down list.
			90-degree	
			180-degree	
G	Offset (Left or Right)	The offset width of the screen making position (in the left/right direction)	<u>OFF</u>	Select [Right] or [Left] from the drop-down list, click [Details], and enter the offset width in the [Details] dialog box. Setting range: 0 mm to 700 mm (0" to 28.00") ¹
			Left	
			Right	
H	Offset (Top or Bottom)	The offset width of the screen making position (in the top/bottom direction)	<u>OFF</u>	Select [Top] or [Bottom] from the drop- down list, click [Details], and enter the off- set width in the [Details] dialog box. Setting range: 0 mm to 700 mm (0" to 28.00") ¹
			Top	
			Bottom	
I	Preview ⁴	Displays a pre- view of the image for screen making	<u>OFF</u>	Select this check box to display a preview of the screen making in [Preview].
			ON	
J	Job settings	Registers and recalls output settings	-	Click [Entry], and register or delete output settings. See K/L. Select a registered output setting from the drop-down list.
K	Name	The registered name of the out- put settings	-	Enter a name and click [Enter] to register new settings. ⁵
L	Status list	The list of reg- istered output settings	-	Displays a list of the registered output set- tings. To erase registered settings, select the registered name and click [Clear].
M	Import	Recalls output settings	-	Adds a UDS file to the list of output set- tings.
N	Export	Saves output settings	-	Saves the output settings shown in the list of output settings to a UDS file.

The underlined value of the setting values indicates the default value.

1 Enter the value in increments of 1 mm (0.01").

2 The horizontal (x) and vertical (y) zoom ratio are linked. To enter a separate horizontal and vertical zoom ratio, select the [x/y independent magnification] check box.

3 See the appendix for information on how the output result (screen making direction) differs according to the combination of [Portrait]/[Landscape], [Rotation], and [Mirror image].

 Rotation / Mirror Image ► P. 83

4 Details on the preview function are described separately.

 Preview ► P. 19

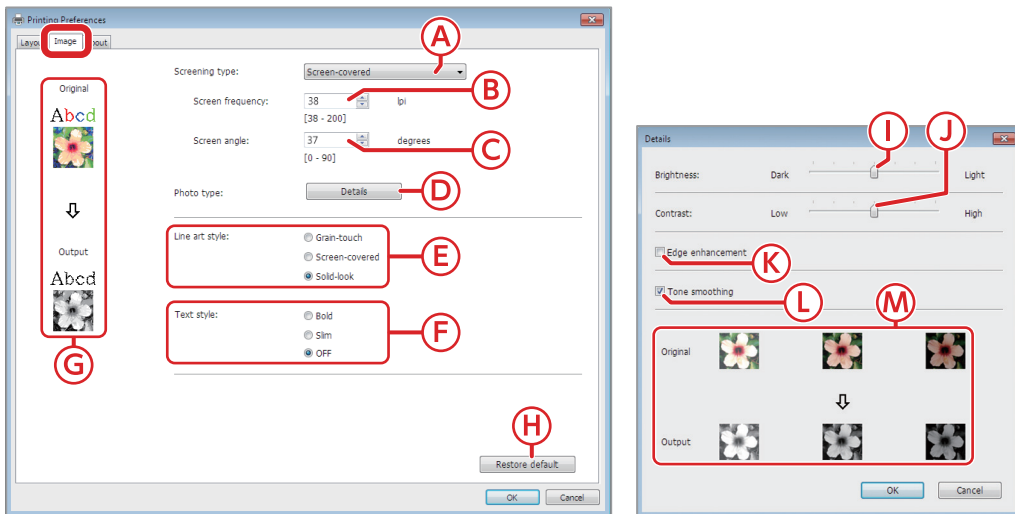
5 You can register up to 10 sets of output settings. A maximum of 20 characters can be entered.

Setting the Screening Type on the [Image] Tab

Set the screening type in the [Properties] dialog box of the printer driver when performing printing in an application.

Select the [Image] tab to show settings regarding the screening type.

You can click [Details] for [Photo type] to show another dialog box for adjusting the finish of the image.



	Item	Description	Setting Values	Details
A	Screening type	The halftone setting	<u>Screen-covered</u>	Expresses gradation by changing the size of dots according to the density of the original.
			Grain-touch	Expresses gradation by perforating or not perforating the screen for each dot according to the density of the original.
B	Screen frequency	The fineness of the dots	<u>38</u> to 200 lpi	Select [Screen-covered] for the screening type to enable this setting, and enter a value. The default value is 38 lpi (line per inch).
C	Screen angle	The angle at which dots are arranged	0 to 90 degrees	Select [Screen-covered] for the screening type to enable this setting and enter a value. The default value is 37 degrees.
D	Photo type	Image adjustment	-	Displays the [Details] dialog box. See I/J/K/L.
E	Line art style	The expression method for the text	Grain-touch	Gradations are expressed by the density of perforation on the screen master (low density for light areas and high density for dark areas).
			<u>Screen-covered</u>	The text sections are expressed with halftone dots (not suitable for fine text).
			<u>Solid-look</u>	The text sections are expressed clearly with solid color (gradations cannot be expressed).
F	Text style*	Text thickness	Bold	This makes the text thicker (to prevent patchiness).
			Slim	This makes the text slimmer (to prevent crushed lines).
			<u>OFF</u>	No adjustment.
G	Original to Output	Example screening type	-	Shows an example of the current finish.
H	Restore default	Restores the default settings	-	Returns all settings to their default settings.
I	Brightness	The image brightness	1 to 7 (1 = dark, 7 = bright)	Adjust this using the slide bar. The default value is 4 (center of the slide bar).
J	Contrast	The image contrast	1 to 7 (1 = low, 7 = high)	Adjust this using the slide bar. The default value is 4 (center of the slide bar).
K	Edge enhancement	Enhancement for image edges	<u>OFF</u>	Select this check box to enable this setting, and make the edges clearer.
			ON	
L	Tone smoothing	The gradation smoothness	<u>ON</u>	Select [Screen-covered] for the screening type to make this setting available, and select this check box to enable the setting.
			OFF	The number of gradations is automatically determined according to the resolution, lpi, and angle.
M	Original to Output	Example screening type	-	Shows an example of the current finish.

The underlined value of the setting values indicates the default value.


* This can be set only if text information is contained in the original and the font type can be changed.

Mac OS


Transmitting the Original Data


! Important

- Make sure to check that the image fits within the image area before transmitting the original data.


 Image Size and Orientation ► P. 28

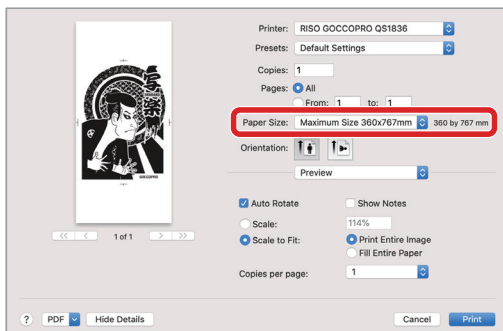
- Make sure to check the page layout before transmitting the original data, such as whether the original data contains multiple pages. Also make sure that the previous screen making operation is complete and a new screen frame has been set before transmitting the original data.

 Handling Original Data ► P. 29

 The functions of the printer driver for Mac OS are included in the application.

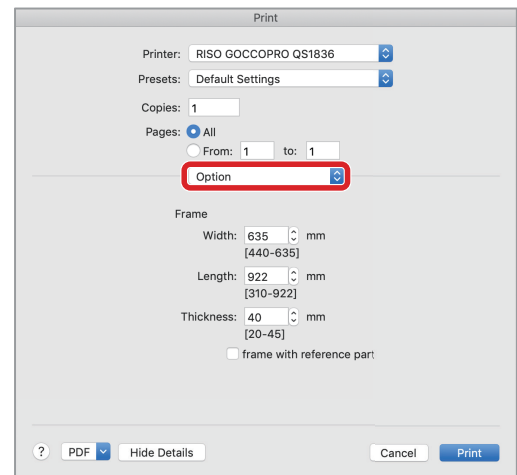
- 1 Open the original data using an application of your choice.
- 2 Select [Print] from the [File] menu in the application.
- 3 In the [Print] dialog box, select [GOCCOPRO QS1836] from the [Printer] drop-down list.
- 4 Set the paper size (image area).

 Registering the Image Area ► P. 57

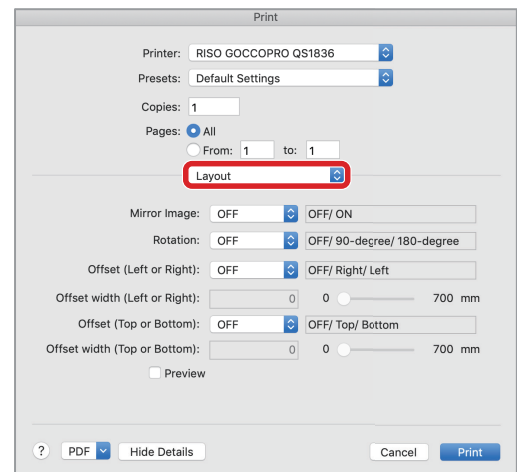


- 5 Configure the various settings by selecting [Option], [Layout], and [Image Setting] from the drop-down list.

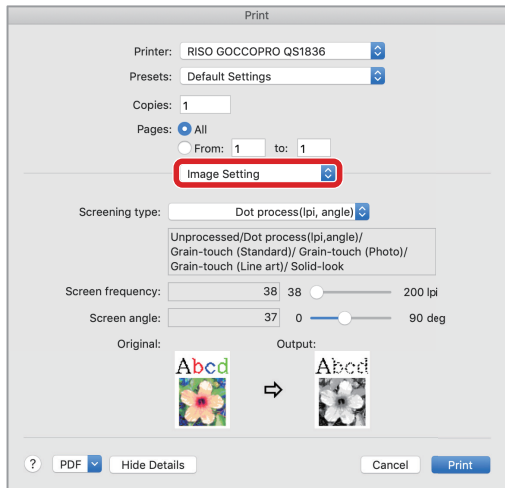
Switching the settings can be done using the drop-down list below [Orientation].




[Option]: Contains settings regarding the screen frame size.





[Layout]: Contains settings regarding screen making process.



[Image Setting]: Contains settings regarding the screening type.


 Setting the Screen Frame Size in the [Option] Dialog Box ► P. 59

 Setting the Screen Making Process in the [Layout] Dialog Box ► P. 60

 Setting the Screening Type in the [Image Setting] Dialog Box ► P. 61

6 When the settings have been made, click [Print].


The original data is transmitted from your computer to the machine.


 If the [Preview] check box is selected, the [Preview] dialog box appears. Confirm the size and orientation of the image and that the image is contained within the image area.

Registering the Image Area

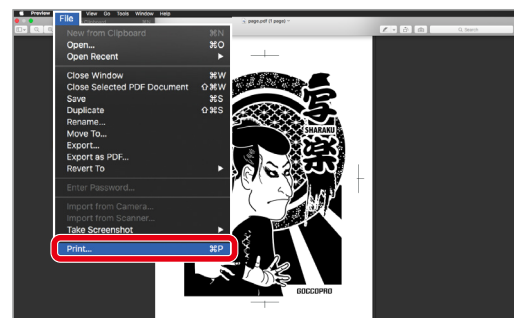
! Important

- The image area is registered here. This differs from the screen frame size.
- When setting the image area, make sure to check the relationship between the screen making direction and size.
- Enter the maximum size of the screen frame that will be used for the image area.

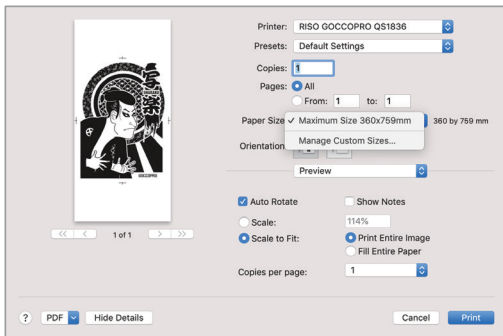
 Margin and Image Area ► P. 27

 The functions of the printer driver for Mac OS are included in the application.

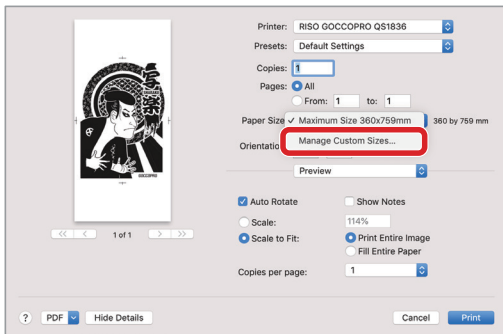
1 Select [Print] from [File] on the menu bar.



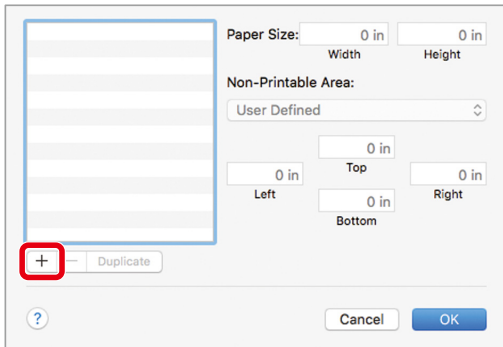
- 2 Click the [Paper Size] drop-down list on the [Print] dialog box to display the list of registered paper sizes (image areas).
The default value is [Maximum Size 360 mm x 767 mm] (14.17" x 30.20").



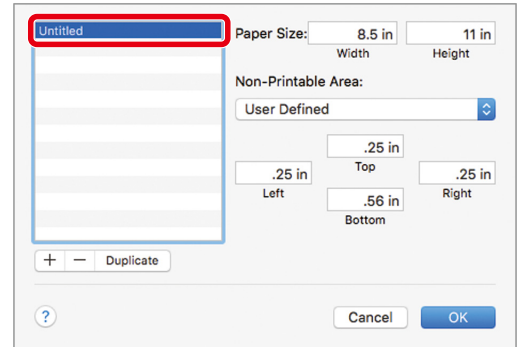
- 3 Click [Manage Custom Sizes] from the list.



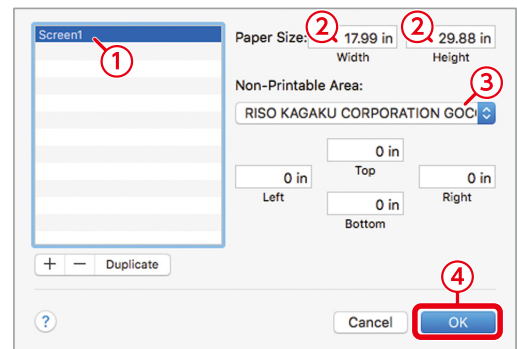
- 4 When the [Custom Size] dialog box appears, click [+].



- 5 Double-click the [Untitled] line.

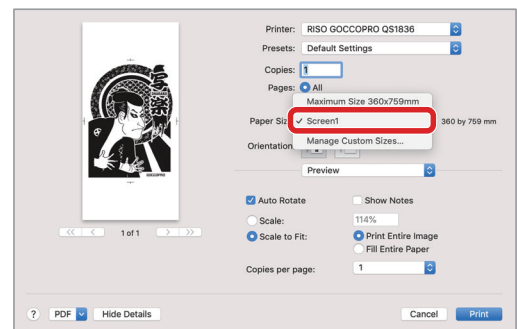


- 6 Configure the settings.



- ① Enter the name.
- ② Enter the image area size in [Width] (landscape) and [Height] (portrait) for [Paper Size].
- ③ Select [GOCCOPRO QS1836] in [Non-Printable Area] (this causes all margins to be set to [0]).
- ④ Click [OK].


- 7 The paper size set in the [Print] dialog box is displayed.




Setting the Screen Frame Size in the [Option] Dialog Box

! Important

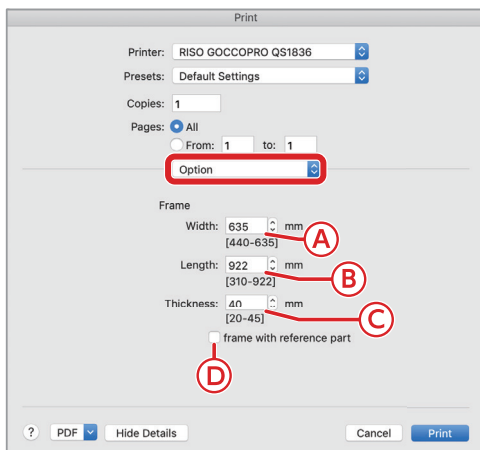
- When setting the screen frame size, make sure to check the relationship between the screen making direction and size.
- The screen frame size you set is used for drawing the screen frame in the [Preview] dialog box. A preview will not be displayed accurately if the specified image area size is not appropriate for the selected screen frame size.
- Enter the maximum size of the screen frame that will be used for the image area.

 Information on Screen Making ► P. 25

 Registering the Image Area ► P. 57

Set the screen frame size in the printer settings dialog box when performing printing in an application (when transmitting the original data).


Select [Option] from the drop-down list to show settings regarding the screen frame size. Configure the settings as required.



	Item	Description	Setting Values	Details
A	Width	Width of frame outer dimensions	440 mm to <u>635</u> mm (17.32" to <u>25.00</u> ")	Enter the dimensions.*
B	Length	Length of frame outer dimensions	310 mm to <u>922</u> mm (12.20" to <u>36.30</u> ")	Enter the dimensions.*
C	Thickness	Thickness of frame	20 mm to 45 mm (0.79" to 1.77")	Enter the dimensions.* The default value is 40 mm (1.57").
D	Frame with reference part	Switching to a frame with reference part	<u>OFF</u> ON	Select this check box to use a frame with reference part.

The underlined value of the setting values indicates the default value.

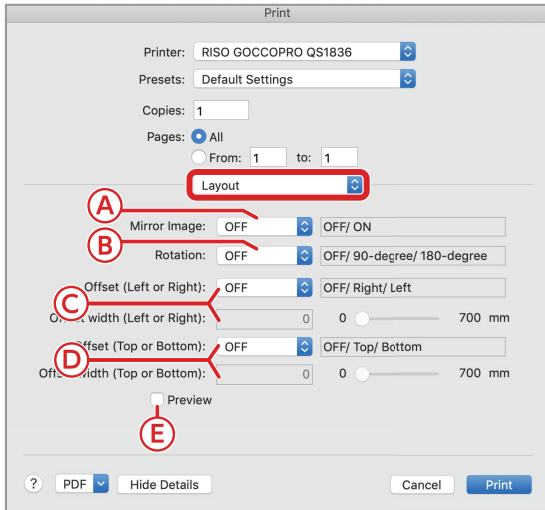
*Enter the value in increments of 1 mm (0.01").

 **NOTE** The range of values that can be entered is the same as the range of screen frame sizes supported by the machine.

 Screen Frame Size ► P. 26

Setting the Screen Making Process in the [Layout] Dialog Box

Set the screen making process in the printer settings dialog box when performing printing in an application. Select [Layout] from the drop-down list to show settings regarding the screen making process.



	Item	Description	Setting Values	Details
A	Mirror Image ²	Reverses the image horizontally	<u>OFF</u>	Select the desired item from the drop-down list.
			ON	
B	Rotation ²	Rotates the image	<u>OFF</u>	Select the desired item from the drop-down list.
			90-degree	
			180-degree	
C	Offset (Left or Right)	The offset width of the screen making position (in the left/right direction)	<u>OFF</u>	Select [Right] or [Left] from the drop-down list, and enter the offset width in [Offset width (Left or Right)]. Setting range: 0 mm to 700 mm (0" to 28.00") ¹
			Right	
			Left	
D	Offset (Top or Bottom)	The offset width of the screen making position (in the top/bottom direction)	<u>OFF</u>	Select [Top] or [Bottom] from the drop-down list, and enter the offset width in [Offset width (Top or Bottom)]. Setting range: 0 mm to 700 mm (0" to 28.00") ¹
			Top	
			Bottom	
E	Preview ³	Displays a preview of the image for screen making	<u>OFF</u>	Select this check box to enable this setting, and the preview is displayed in the [Preview] dialog box.
			ON	

The underlined value of the setting values indicates the default value.

1 Enter the value in increments of 1 mm (0.01").

2 See the appendix for information on how the output result (screen making direction) differs according to the combination of [Rotation] and [Mirror Image].

 Rotation / Mirror Image ► P. 83

3 Details on the preview function are described separately.

 Preview ► P. 19

Setting the Screening Type in the [Image Setting] Dialog Box

Set the screening type in the printer settings dialog box when performing printing in an application.

Select [Image Setting] from the drop-down list to show settings regarding the screening type.



	Item	Description	Setting Values	Details
A	Screening type	The halftone setting	No processing	No processing is performed.
			Dot process (lpi, angle)	Expresses gradation by changing the size of dots according to the density of the original.
			Grain-touch (Standard)	Expresses gradation by perforating or not perforating the screen for each dot according to the density of the original.
			Grain-touch (Photo)	
			Grain-touch (Line art)	The text sections are expressed clearly with solid color (gradations cannot be expressed).
B	Screen frequency	The fineness of the dots	<u>38</u> to 200 lpi	Select [Dot process (lpi, angle)] for the screening type to enable this setting, and enter a value. The default value is 38 lpi (line per inch).
			C	Screen angle
D	Original to Output	Example screening type		

The underlined value of the setting values indicates the default value.

* Not displayed when [Solid-look] is selected at [Screening type].

5. Custom Setting Mode

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Settings in the Custom Setting Mode

The following settings can be made in the Custom Setting Mode.

Mode No.	Mode Item	Setting Values	Setting Range	Details
001	Beep sound	0000	OFF	The machine does not produce a beep sound when a key is pressed or an error occurs.
		<u>0001</u>	ON	The machine produces a beep sound.
002	Screen master counter (no. of screens)	-	-	Shows the total number of screens that have been made on the Display.
003	Image expansion/contraction	0000 to 0050	-5% to +5%	The setting for image expansion/contraction. The default value is 25 ($\pm 0\%$)*.
004	Test print (check)	-	-	Performs a test print with a check pattern.
005	Test print (grid)	-	-	Performs a test print with a grid pattern.
006	Test print (center black line)	-	-	Performs a test print with a center black line pattern.
007	Automatic screen making switching	<u>0000</u>	OFF	Screen making starts when the [START] Key is pressed after reception of the original data is complete.
		0001	ON	Screen making starts automatically after reception of the original data is complete.
008	Centering the Screen Making Unit	-	-	Moves the Screen Making Unit to the center of the screen maker.
009	Displaying the version information	-	-	Shows the version information for the machine on the Display (the "XXYY" part of "Ver.XX.YY").
010	Screen master sensor check	-	-	Shows the check result of the screen master sensor on the Display.
011	Screen making pressure sensor check	-	-	Shows the check result of the screen making pressure sensor on the Display.
012	Screen Making Unit set switch check	-	-	Shows the result of the Screen Making Unit set switch check on the Display.
013	Frame bottom sensor check	-	-	Shows the check result of the Frame bottom sensor on the Display.
014	Thermistor temperature	-	-	Shows the thermistor temperature on the Display.
015	TPH voltage check (front)	-	-	Shows the check result of the TPH voltage (front) on the Display.
016	TPH voltage check (rear)	-	-	Displays the check result of the TPH voltage (rear) on the Display.
017	Screen Making Energy Variables	0000	200 mesh or higher	Select a value depending on the mesh count of the master to optimize the heat level of the Thermal Print Head.
		<u>0001</u>	100 to 180 mesh	
		0002	70 mesh or lower	

The underlined value of the setting values indicates the default value.

*See the correspondence chart on the following page for the relationship between the setting values and the image expansion/contraction ratio.

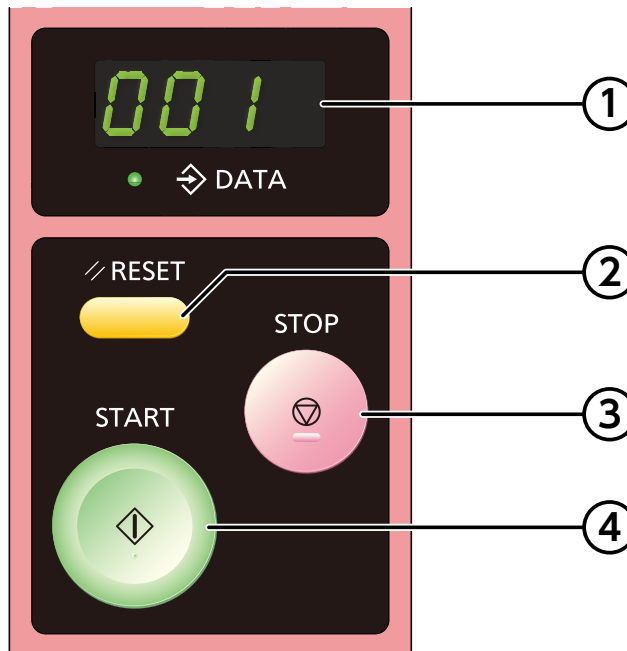
- Relationship between the setting values for the image expansion/contraction (Mode No. 003) and the image expansion/contraction ratio

Setting Values	Expansion/Contraction Ratio (%)	Setting Values	Expansion/Contraction Ratio (%)	Setting Values	Expansion/Contraction Ratio (%)	Setting Values	Expansion/Contraction Ratio (%)
0	-5.0	13	-2.4	26	+0.2	39	+2.8
1	-4.8	14	-2.2	27	+0.4	40	+3.0
2	-4.6	15	-2.0	28	+0.6	41	+3.2
3	-4.4	16	-1.8	29	+0.8	42	+3.4
4	-4.2	17	-1.6	30	+1.0	43	+3.6
5	-4.0	18	-1.4	31	+1.2	44	+3.8
6	-3.8	19	-1.2	32	+1.4	45	+4.0
7	-3.6	20	-1.0	33	+1.6	46	+4.2
8	-3.4	21	-0.8	34	+1.8	47	+4.4
9	-3.2	22	-0.6	35	+2.0	48	+4.6
10	-3.0	23	-0.4	36	+2.2	49	+4.8
11	-2.8	24	-0.2	37	+2.4	50	+5.0
12	-2.6	25	±0	38	+2.6		

Operating the Custom Setting Mode

The Custom Setting Mode enables the various settings related to the screen making operations of the machine to be made.

Settings in the Custom Setting Mode can be made on the Control Panel of the machine.



① Display

Displays the Custom Setting Mode number and entered value.

② RESET Key

Starts the Custom Setting Mode.

Also press the [RESET] Key while in the Custom Setting Mode to reset the entered value.

③ STOP Key

Stops the Custom Setting Mode.

Confirms the Custom Setting Mode number and entered value.

Also press the [START] Key and [STOP] Key at the same time to decrease the value.

④ START Key

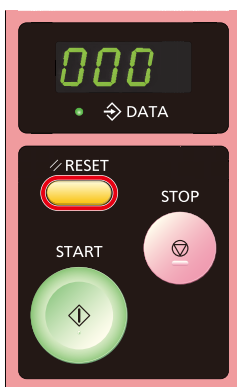
Increases the Custom Setting Mode number and entered value.

Setting the Custom Setting Mode

Starting the Custom Setting Mode

Press and hold the [RESET] Key for 3 seconds to start the Custom Setting Mode.

Mode number "000" is shown on the Display.

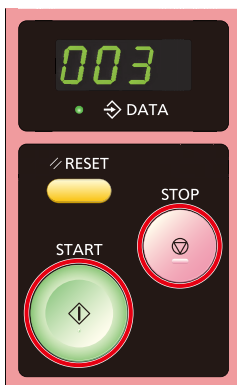


Selecting the Mode Number

Press the [START] Key to increase the value. Press the [START] Key and [STOP] Key at the same time to decrease the value.

Press the [STOP] Key to confirm the mode number.

The current entered value is shown on the Display.



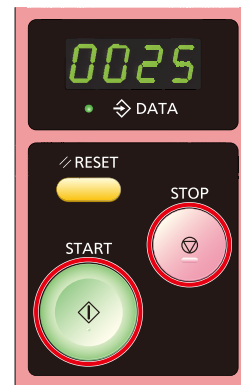
Changing the Entered Value (Setting)

Change the entered value while the entered value for the target mode is shown on the Display.

Press the [START] Key to increase the value. Press the [START] Key and [STOP] Key at the same time to decrease the value.

Press the [STOP] Key to confirm the entered value.

The target entered value is shown on the Display.



Stopping the Custom Setting Mode

Press and hold the [STOP] Key for 3 seconds to stop the Custom Setting Mode.



Example Setting Procedure

This example describes how to change the “Beep sound” setting to set whether to produce a beep sound when a key is pressed or an error occurs.

- 1 Press and hold the [RESET] Key for 3 seconds to start the Custom Setting Mode.

Mode number “000” is shown on the Display.
- 2 Press the [START] Key once to change the mode number to “001”.
- 3 Press the [STOP] Key to confirm the mode number as “001”.

The current entered value (“0001”) for mode number “001” is shown on the Display.
- 4 Press the [START] Key once to change the entered value to “0000”.
- 5 Press the [STOP] Key once to confirm the entered value as “0000”.
- 6 Press and hold the [STOP] key for 3 seconds to stop the Custom Setting Mode.

After the setting is changed, the machine does not produce a beep sound when a key is pressed or an error occurs.

6. Maintenance

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Cleaning the Machine

⚠ Caution

Do not perform operations (adjustments or repairs, etc.) on the machine other than those described in this guide. Make sure to contact your dealer or authorized service representative for adjustments or repairs.

Thermal Print Head

When dust adheres to the Thermal Print Head, the screen may not be correctly perforated according to the original data and graphics or text may be missing or blur.

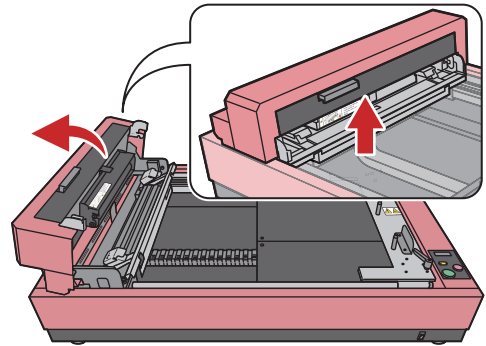
Gently rub the heat emitting part of the Thermal Print Head with a cotton bud, etc. dampened with alcohol to remove the dust.

! Important

- Before cleaning the machine, turn the power switch off and give the Thermal Print Head sufficient time to cool.
- Since the Thermal Print Head is very delicate, avoid shocks or scratches with a hard object.
- The Thermal Print Head may be damaged by static electricity. Be sure to remove the static electricity in your body before cleaning the Thermal Print Head. Do not touch the Thermal Print Head except when cleaning it.
- Do not use highly-soluble organic solvents such as thinner and benzene for cleaning.

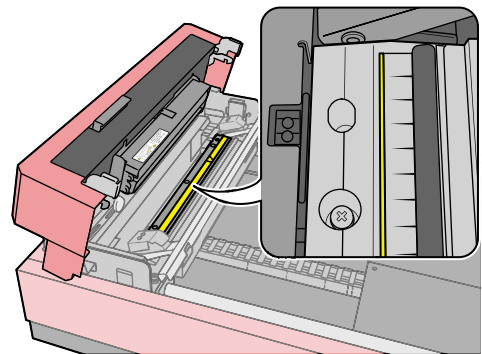
1 Open the Screen Making Unit.

To open the Screen Making Unit, push up the Screen Making Unit Open Lever to unlock it.

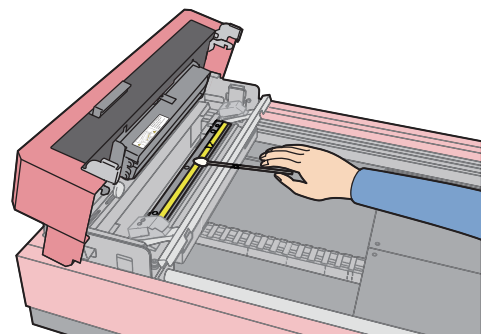


2 Check the position of the heat emitting part of the Thermal Print Head.

The yellow part of the diagram is the Thermal Print Head.



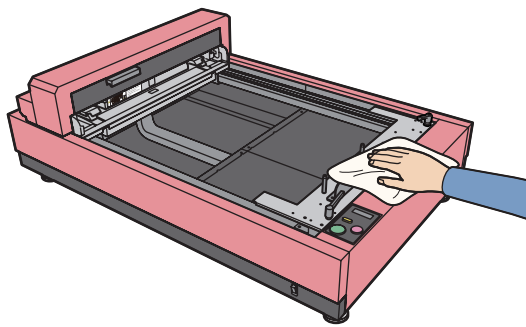
3 Gently rub the heat emitting part of the Thermal Print Head with a cotton bud, etc. dampened with alcohol to remove the dust.



Main Unit Exterior

To prevent stains from adhering to the main unit, gently wipe the whole body with a neutral detergent on a regular basis.

This may cause the color to fade, but will not affect the performance of the machine.



7. Troubleshooting

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When Images Are Not Transferred Correctly onto the Screen	78
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Troubleshooting


When failure is suspected, check the following points before contacting your dealer or authorized service representative.

When Operating the Machine

◇ The machine does not start even when the power switch is turned on.

Check! Is the power cable connected correctly?

- Check if the power cable plug is firmly inserted into an electrical outlet.
- Check the power breaker.

 Connecting the Cable and Power Supply ▶ P. 38

◇ Data is not transferred onto a screen.

Check! Is the correct side of the screen master set?

Check the side of the screen master, and set it correctly.

◇ The Custom Setting mode cannot be set.

Check! Has an error occurred?

Press the [RESET] Key on the Control Panel or turn the power of the machine off and then on again.

When Operating the Printer Driver

◇ **The [DATA] Indicator of the machine is on, but an imaged screen has not been produced.**

Check! Is the data transmission on the computer side completed? (Is the output operation of the application completed?)

- Double-click "RISO GOCCOPRO QS1836" in the [Printers] folder, and check whether the data transmission is completed.
- Keep the screen saver turned off until the data transmission from your computer is completed.

Check! Did you interrupt the outputting operation with application software?

1. Turn the power switch of the machine off.
2. Wait for about 10 seconds, and then turn the power switch back on.

Check! Is the USB cable disconnected?

1. Cancel the transmission from your computer.
2. Turn the power switch of the machine off.
3. Correctly connect the USB cable again.
4. Turn the power switch of the machine on.

Check! Do the settings of the application software (original size, original orientation) match the settings of the printer driver?

Match the settings of the application software with the settings of the printer driver.

 Setting the Printer Driver ► P. 47

◇ **Even when the data is transmitted from the computer, the screen making process does not start.**

Check! Does the selected printer driver support the machine?

Select a printer driver that supports the machine, and then perform the outputting operation on the application again.

Check! Does the status in “RISO GOCCOPRO QS1836” in the [Printers] folder indicate that the data is waiting to be processed or in the process of printing?

Wait until the data transmission from your computer is completed.

◇ **The screen frame size registered is not shown in the [Name] list.**

Check! Did you click [Add] next to the [Name] list after entering the size?

Click [Close] in the [Frame size entry] dialog box to close the dialog box, and then click [OK] (or [Apply]) in the [Environment] tab.

 Registering the Screen Frame Size ► P. 49


Check! Has a screen frame size with the same name already been registered?

Register the screen frame size with a different name.

◇ **Values cannot be entered in [Custom] on the [Frame size] tab.**

Check! Did you try to enter a value that exceeds the setting range?

The screen frame sizes that can be entered are 310 mm to 922 mm (12.20" to 36.30") for the length and 20 mm to 45 mm (0.79" to 1.77") for the thickness. Enter a value within the range.

 Setting the Screen Frame Size and Screen Making Process ► P. 52

◇ A name cannot be entered in the [Frame size entry] dialog box.

Check! Did you try to enter a name that exceeds the limit of the number of characters you can enter?

You can enter up to 30 single-byte characters.


Check! Did you try to use characters that cannot be registered?

The characters ", *, /, :, <, >, and ? cannot be used.

◇ The preview display is not shown correctly.

Check! Is an offset set?


Adjust the offset to an appropriate value.

 Setting the Screen Frame Size and Screen Making Process (Windows) ► P. 52

 Setting the Screen Making Process (Mac OS) ► P. 60

Check! Do the image area and screen frame settings match? (Mac OS only)

If the image area and screen frame settings do not match, the preview will not be shown correctly. Check the image area and the screen frame size setting.

 Registering the Image Area ► P. 57

 Setting the Screen Frame Size ► P. 59


When Images Are Not Transferred Correctly onto the Screen

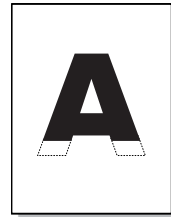
◇ Part of the original data transferred onto the imaged screen is missing.

Check! Does the size of the original data exceed the image area?

Maximum image area (width x length):
350 mm x 759 mm (13.78" x 29.88")
(with a frame thickness of 20 mm (0.79"))

Any part outside this image area is not transferred onto the screen.

 Margin and Image Area ► P. 27



◇ The original data transferred onto the imaged screen contains a white vertical line.

Check! Is there dust on the Thermal Print Head?

Gently rub the heat emitting part of the Thermal Print Head with alcohol, etc. to remove the dust.

 Cleaning the Machine ► P. 70



◇ The data transferred onto the screen is displaced or its edge is missing.

Check! Does the size of the original data exceed the image area?

Any part outside the image area is not transferred onto the screen.
Check the size of the image area and original data.

 Screen Making Area ► P. 27

Check! Is the center of the screen frame aligned with the center mark (arrow) on the machine?

The machine makes screens with centering. Check whether the screen frame is set in the center of the machine.

 Setting the Screen Frame ► P. 34

Check! Are the Screen Frame Retainer set to a narrow width?

In order to stabilize the screen frame, adjust the Screen Frame Retainer on the wide side.

 Setting the Screen Frame ► P. 34

◇ Characters are not transferred correctly onto the screen (the font of the transferred characters differs from the original).

Check! Is the output of the application software set to use the printer fonts?

In the application, configure the output settings not to use the printer fonts.

◇ Graphics are not transferred correctly onto the screen.

Check! Does the printer driver support the machine?

When original data is edited after a printer driver that does not support the machine is selected, graphics may not be transferred correctly onto the screen.

After selecting a printer driver supporting the machine, edit the original data and produce an imaged screen again.

◇ Images are deformed/reduced in size.

Check! Is the page scaling/page sizing setting of the application software set to fit to the paper size?


Cancel the page scaling/page sizing setting in the application software.

◇ Screen making is done with the center misaligned.

Check! Is the size of the original data (artboard size) correct?

In case of GOCCOPRO QS1836, it is necessary to arrange the image data at the horizontal center of the original data.

The original data size can be calculated by calculation formula. Refer to the original data size (P. 29) and create it with the correct original size.

 Original data size ► P. 29



Set Error Display

When an error has occurred in the machine or a part is not ready, a number indicating the error type appears on the Display.

Check the error number and perform the appropriate action indicated below.

Error No.	Cause	Action
d09-0266	The Screen Making Unit is open or not closed firmly.	Firmly close the Screen Making Unit.
d83-0267	The screen frame is not set on the machine.	Set the screen frame on the machine.
d09-0272	The Screen Making Unit was opened during screen making.	<ol style="list-style-type: none"> 1) Firmly close the Screen Making Unit. 2) Press the [RESET] Key to clear the error display. 3) Press the [RESET] Key to return the Screen Making Unit to the write start position. 4) Open the Screen Making Unit, remove the screen frame, and attach the screen master again. 5) Perform screen making again.
F50-0220	The Thermal Print Head is at a high temperature.	Turn the power off and wait a while.
F82-0275	There is an obstruction below the Screen Making Unit and above the screen frame.	<ol style="list-style-type: none"> 1) Remove the obstruction. 2) Press the [RESET] Key to clear the error display. 3) Press the [RESET] Key to return the Screen Making Unit to the write start position. 4) If the error occurred during screen making, open the Screen Making Unit, remove the screen frame, and attach the screen master again. 5) Perform screen making again.
F92-0274	The Screen Making Unit reached the Bottom side of the screen frame during screen making.	<ol style="list-style-type: none"> 1) Press the [RESET] Key to clear the error display. 2) Press the [RESET] Key to return the Screen Making Unit to the write start position. 3) Open the Screen Making Unit, remove the screen frame, and attach the screen master again. 4) Check the screen frame size setting (for Windows) or the image area setting (for Mac OS), and perform screen making again.

Important

If [Pxx-xxxx] (service call) or [Exx-xxxx] (maintenance call) is shown on the display, check the error number, and contact your dealer or authorized service representative.

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Manually Installing the Printer Driver

This section describes the procedure for manually installing via a USB cable connection (without using the installer).

Manual Installation Procedure (Windows)

! Important

- To install the printer driver, it is necessary to log on to Windows with an account (Administrator, etc.) that has the authority to change the system settings.
- This printer driver does not support printer sharing.

- 1 Turn the power of the screen maker on, and connect a USB cable.
- 2 Start the computer.
- 3 Connect the USB cable to the computer.
- 4 Start [Device Manager].
Click [Control Panel] > [Hardware and Sound] > [Device Manager].
- 5 Click [Software devices], right-click on the screen maker name, and select [Update Driver] from the displayed menu.
 **NOTE** If the name of your screen maker is not displayed, click [Action] > [Scan for hardware changes].
- 6 Click [Browse my computer for driver software].
- 7 Insert the included “RISO GOCCOPRO Printer Driver” CD-ROM into the CD-ROM drive of your computer.
- 8 Click [Browse], select the following folder, and then click [OK].
 - For a 32-bit operating system:
(CD-ROM) > [Windows 32-bit] > [Driver] > [Windows] > [English]
 - For a 64-bit operating system:
(CD-ROM) > [Windows 64-bit] > [Driver] > [Windows] > [English]

- 9 Click [Next].
- 10 Click [Close], and reboot the computer.
- 11 Click [Control Panel] > [Hardware and Sound] > [Devices and Printers], right-click on the installed printer, and select [Printer Properties] from the displayed menu.
- 12 Click [Print Processor] on the [Advanced] tab.
- 13 Click the following print processor from the [Print processor] list.
 - For a 32-bit operating system: R35V8RP
 - For a 64-bit operating system: R35V6RP
- 14 Select [NT EMF1.008] from the [Default data type] list, and click [OK].
- 15 Perform screen making for a test page from the [General] tab.
- 16 Click [OK] to close the dialog box.

Previewing the Output Result

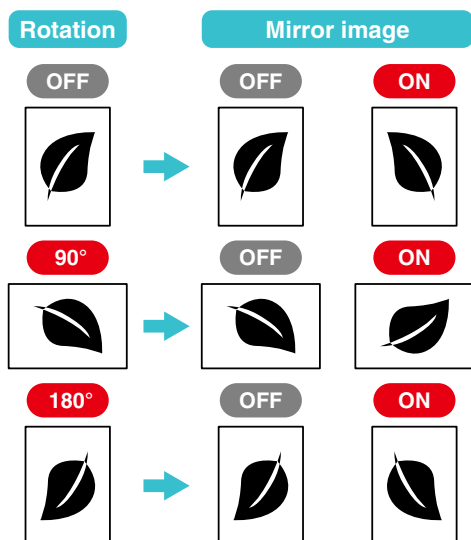
Rotation / Mirror Image

The output result (screen making direction) differs according to the combination of [Portrait]/[Landscape], [Rotation], and [Mirror image] set on the [Layout] tab of the printer driver settings, as indicated below.

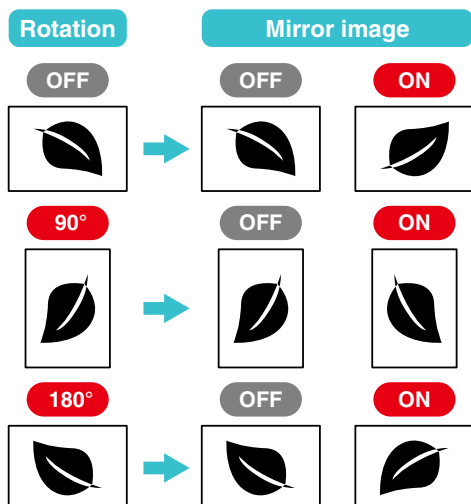
Original Data with Portrait Orientation



- When [Portrait] is set for the output direction



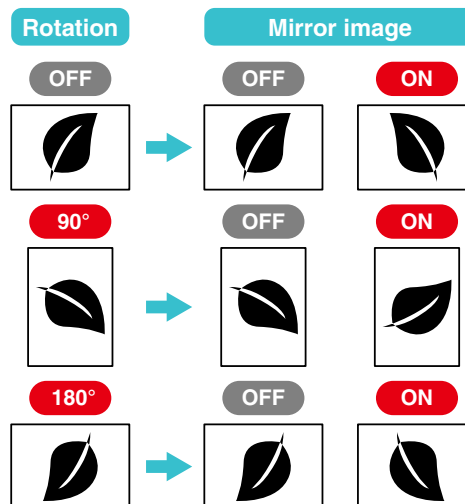
- When [Landscape] is set for the output direction



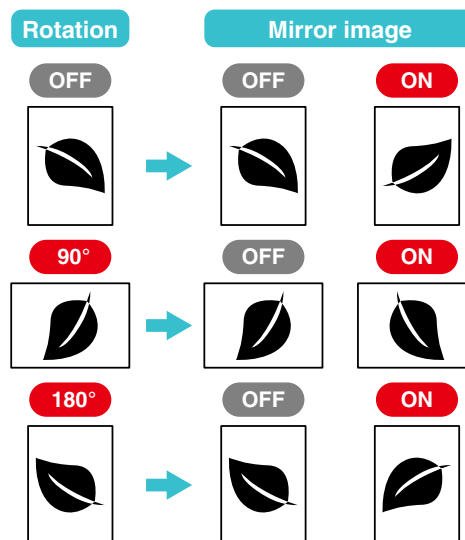
Original Data with Landscape Orientation



- When [Portrait] is set for the output direction



- When [Landscape] is set for the output direction



- When [Landscape] is set for the output direction, the image is rotated 90 degrees clockwise.
- The image is rotated by the application control, so that the output result may differ from the indicated images above. Make sure to check the image orientation in [Preview].
- As a result of image rotation, parts of the image may end up outside the image area and be cut off. Use [Preview] to check a preview of the image.

Consumables and Their Disposal

Consumable specifications and types are subject to change without notice.
For details, contact your dealer or authorized service representative.

Screen Master

Use a screen master recommended for the machine by RISO.

Using an inappropriate screen master can cause the machine to malfunction or other problems.

The recommended products are as follows.

Product Name		Features
RISO DIGITAL SCREEN MASTER	QS70P56-30	This screen master is 70 mesh per inch type for water-based ink and solvent type ink. Appropriate for textile printing.
	QS70P113-30	
RISO DIGITAL SCREEN QS MASTER	70P-56-30 PINK	This is also suitable for the ink which contains relatively large pigments such as gold ink.
	70P-113-30 PINK	
RISO DIGITAL SCREEN MASTER	QS120P56-50	This screen master is 120 mesh per inch type for water-based ink and solvent type ink. Appropriate for textile printing.
	QS120P113-50	
RISO DIGITAL SCREEN QS MASTER	120P-56-50 PINK	This screen master is suitable for printing both solid images and fine text/lines. High quality textile printing is also applicable.
	120P-113-50 PINK	
RISO DIGITAL SCREEN MASTER	QS200P56-50	This screen master is a 200 mesh per inch type that accepts both water-based ink for textile printing and solvent type ink for printing on plastics, metals, and metal coated surfaces.
	QS200P113-50	
RISO DIGITAL SCREEN QS MASTER	200P-56-50 PINK	This is suitable for printing fine text, lines and dot screen images.
	200P-113-50 PINK	

Product Name		Product Name	
RISO DIGITAL SCREEN QS MASTER	50P-56-20C	RISO DIGITAL SCREEN QS MASTER	225P-56-20C
	50P-113-20C		225P-113-20C
	100P-56-20C		250P-56-20C
	100P-113-20C		250P-113-20C
	135P-56-20C		270P-56-20C
	135P-113-20C		270P-113-20C
	180P-56-20C		300P-56-20C
	180P-113-20C		300P-113-20C



The recommended screen masters are subject to change. For details, contact your dealer or authorized service representative.

Disposal of a Depleted Screen Master and its Core

Dispose the depleted screen master and its core according to the disposal rules of your local community.
When it is necessary to segregate waste, refer to the following table.

Part Name	Material
Core	Paper
Screen Master	Polyester

Specifications

GOCCOPRO QS1836

Screen making method	High-speed digital screen making
Screen-making time	Approx. 200 sec (When the image area size is 350 mm x 594 mm (13.78" x 23.39"))
Image area size (width x length)	Minimum: 10 mm x 10 mm (0.39" x 0.39") Maximum: 350 mm x 759 mm (13.78" x 29.88") (with a frame thickness of 20 mm (0.79")) 350 mm x 734 mm (13.78" x 28.90") (with a frame thickness of 45 mm (1.77"))
Resolution (Horizontal scan x vertical scan)	600 dpi (perforation density: 1200 dpi) x 1200 dpi
Control Panel	Resin molded buttons/7 segment display
Write start position	90 ± 2 mm (3.54" ± 0.08") from the Top side (With a Screen Frame Retainer) 98 ± 2 mm (3.86" ± 0.08") from the Top side (Without a Screen Frame Retainer)
Margin	45 mm (1.77") or more on the Bottom side 25 mm (0.98") on the Front side, 25 mm (0.98") or more on the Rear side
Screen making position accuracy	± 0.5 mm (0.02") or less (position accuracy when repeatedly making screens)
Custom Setting Mode	Beep sound/Screen master counter (no. of screens)/Image expansion/contraction/Test print (check, grid, or center black line)/Automatic screen making switching/Centering the Screen Making Unit/Displaying the version information/Screen master sensor check/Screen making pressure sensor check/Screen making unit set switch check/Frame bottom sensor check/Thermistor temperature/TPH voltage check (front and rear)/Screen Making Energy Variables
Screen frame size (Outer dimensions) (width x length)	Minimum: 440 mm x 310 mm (17.32" x 12.20") (with a frame thickness of 20 mm (0.79")) Maximum: 635 mm x 914 mm (25.00" x 36.00") (With a Screen Frame Retainer) 635 mm x 922 mm (25.00" x 36.30") (Without a Screen Frame Retainer)
Screen frame thickness	20 mm to 45 mm (0.79" to 1.77")
Memory capacity	128 MB
Power source	AC 100 - 240 V, 50 - 60 Hz, 3.6 - 1.4 A
Power consumption	Maximum: 300 W When standing by: 50 W or lower
Dimensions (W x D x H)	During use: 1215 mm x 800 mm x 410 mm (47.83" x 31.50" x 16.14")
Required space (W x D x H)	1230 mm x 800 mm x 480 mm (48.43" x 31.50" x 18.90")
Weight	Approx. 70 kg (154 lb)
Safety information	Indoor, pollution degree 2*, At altitudes of 2000 m or lower
Accessories	Driver CD-ROM Driver EULA Privacy protection sheet

*The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

- Note

- Please note that due to improvements and changes to the machine, some images and explanations in this guide may not correspond to your machine.
- The specifications are subject to change without prior notice.
- Note that RISO will not be held responsible for anything resulting from the use of this guide or the machine.

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Notice for European Union Member States

RISO, the environment and the Waste Electrical and Electronic Equipment Directive "WEEE Directive"

What is the WEEE Directive?

The purpose of the WEEE Directive is to reduce waste and ensure Electrical and Electronic Equipment is recycled at the end of its useful life.



What does the crossed out wheeled bin symbol mean?

The crossed out wheeled bin symbol indicates this product must be disposed of separately to normal waste.

Please contact your RISO service agent for information about disposal.

What does the solid bar symbol mean?

The solid bar under the crossed out wheeled bin indicates this product was put on the market after the 13th August 2005.

Who should I contact if I want more information about the WEEE Directive?

You should contact your local RISO service agent for more information.

Machine de création d'écran numérique

Modèle: GOCCOPRO QS1836

Nous avertissons l'utilisateur que tout changement ou toute modification non approuvé(e) peut invalider le droit de l'utilisateur à utiliser l'appareil.

CAN ICES-3(A)/NMB-3(A)

Avertissement

Cet appareil est un produit de classe A. Dans un environnement domestique, il peut provoquer des interférences radio. Si tel est le cas, l'utilisateur peut devoir prendre des mesures adéquates.


Informations relatives à la sécurité (Fr)

Nous vous félicitons pour l'achat de cette machine.

Cette machine facile d'emploi sert à la réalisation d'écrans par procédé numérique.

Ce guide contient les instructions pour le fonctionnement de base de la machine, les précautions d'utilisation, les méthodes de manipulation des consommables et un guide de dépannage.

Veillez lire attentivement ce guide avant d'utiliser la machine. Reportez-vous également à ce guide en cas de question pendant l'utilisation et chaque fois qu'il est nécessaire. Servez-vous en avec la machine pour les nombreuses années à venir.

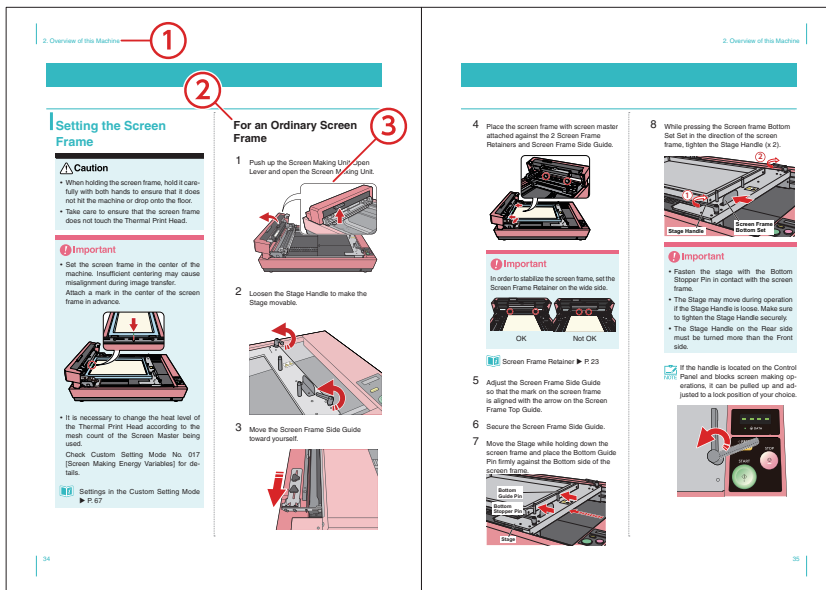
- Microsoft et Windows sont des marques déposées ou des marques commerciales de Microsoft Corporation aux États-Unis et/ou dans d'autres pays.
- Mac et Mac OS sont des marques déposées d'Apple Inc.
-  RISO, GOCCOPRO et RISORINC sont des marques commerciales ou des marques déposées de RISO KAGAKU CORPORATION aux États-Unis et dans d'autres pays.
- Tous les autres noms de produit et de société sont des marques déposées ou des marques commerciales de chaque société respective.
- Les écrans et le contenu figurant dans ce guide peuvent différer du produit réel.
- Les écrans et les messages figurant dans les procédures peuvent varier en fonction du type d'ordinateur et d'application.

La notation dans ce guide

La notation, les symboles et la terminologie utilisés dans ce guide sont indiqués ci-dessous.

Notation des pages contenant des descriptions d'opérations et de fonctions

Les pages contenant des descriptions des fonctions et des opérations utilisent la notation suivante. Aussi, les noms des touches et des boutons de l'écran tactile ou de la fenêtre de l'ordinateur sont indiqués entre crochets [].



① Titre de chapitre

② Procédure de fonctionnement

Une procédure de fonctionnement est décrite par étapes.

③ Illustration du fonctionnement

Indique une partie liée au fonctionnement, par exemple, de la machine, du panneau de commande ou de l'écran d'un ordinateur.

Symboles utilisés dans ce guide

	Warning	Une mise en garde liée à la sécurité.
	Caution	Pour plus de détails, voir "Indications d'avertissement" page 12 de ce guide.
	Important	Un point important à noter lors de l'utilisation de la machine.
	NOTE	Des informations supplémentaires qu'il est pratique de connaître lors de l'utilisation de la machine.
		Indique une page de référence associée.

Terminologie utilisée dans ce guide

Données originales	Données image et texte créées sur un ordinateur.
Réalisation d'un écran	Le processus de lecture des données originales envoyées depuis un ordinateur vers la machine et de perforation d'un master d'écran.
Valeur par défaut	La valeur initiale de chaque paramètre juste après la mise sous tension de la machine.

Remarque concernant les écrans d'ordinateur

La façon dont les boîtes de dialogue, etc. s'affichent, peut être différente de celle qui est indiquée dans ce guide, en fonction de la version du système d'exploitation utilisée sur votre ordinateur.



Mises en garde de sécurité

Cette section décrit les informations que vous avez besoin de connaître avant d'utiliser cette machine. Lisez cette section avant d'utiliser cette machine.

Indications d'avertissement

Les indications d'avertissement suivantes sont utilisées pour garantir le fonctionnement correct de cette machine et aussi pour éviter les dangers pour le corps humain ou endommager le matériel.

Assurez-vous d'avoir parfaitement compris le contenu avant de procéder au texte principal.

 Warning	<p>Indique qu'une manipulation incorrecte sans tenir compte de ce symbole peut provoquer des blessures graves, voire mortelles.</p>
 Caution	<p>Indique qu'une manipulation incorrecte sans tenir compte de ce symbole peut provoquer des blessures graves ou endommager du matériel.</p>



Lieu d'installation

Caution

- Ne placez pas cette machine sur une surface instable, comme une base qui bouge ou une surface inclinée. Si cette machine tombe ou se renverse, elle pourrait provoquer des blessures.
- Éloignez cette machine des environnements humides et poussiéreux. Le manque à cette instruction pourrait provoquer un incendie ou un choc électrique.
- Cette machine n'est pas destinée à être utilisée par des enfants. Utilisez la machine dans un endroit inaccessible aux enfants.

Branchement électrique

Warning

- Le cordon d'alimentation fourni est spécifique à cette machine. Ne l'utilisez pas pour d'autres produits électriques. Ceci pourrait provoquer un incendie ou un choc électrique.
- Le câble d'alimentation ne doit pas être attaché ou enroulé afin d'éviter de provoquer une surchauffe et un incendie.
- N'utilisez pas de prise de dérivation ni de multiprise. Ceci pourrait provoquer un incendie ou un choc électrique. 
- Veillez à ne pas érafler, endommager ou altérer le cordon d'alimentation. Veillez à ne pas endommager le cordon d'alimentation en plaçant des objets lourds dessus, en tirant dessus ou en le pliant avec force. Ceci pourrait provoquer un incendie ou un choc électrique. 
- Faites attention à ne pas brancher ou débrancher le cordon d'alimentation avec les mains mouillées. Ceci pourrait provoquer un choc électrique.

Caution

- Pour débrancher, ne tirez pas sur le cordon d'alimentation (veillez à bien agripper la fiche). Ceci pourrait endommager le cordon et provoquer un incendie ou un choc électrique.
- Si cette machine ne va pas être utilisée pendant un certain temps (pendant des vacances etc.), veillez à bien débrancher le cordon d'alimentation pour garantir la sécurité.
- Débranchez le cordon d'alimentation au moins une fois par an et nettoyez les broches de la fiche et la zone qui l'entoure. La poussière accumulée à cet endroit pourrait provoquer un incendie.

Raccordement à la terre

Warning

- S'assurer de brancher le cordon d'alimentation à l'aide d'un conducteur de mise à la terre dans la prise de courant avec une prise de terre. Si la machine n'est pas mise à la terre, un court-circuit peut se produire. Ceci pourrait provoquer un incendie ou un choc électrique.



Manipulation de la machine

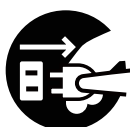
Warning

- Ne placez pas de récipient rempli d'eau ni d'objets métalliques sur cette machine. Si l'eau se renverse ou si l'eau ou les objets métalliques tombent à l'intérieur de cette machine, ceci pourrait provoquer un incendie ou un choc électrique.
- N'utilisez pas de vaporisateur de produits combustibles ni de solvants inflammables près de cette machine. Si le gaz vaporisé ou le solvant inflammable entre en contact avec les pièces électriques qui se trouvent à l'intérieur du système mécanique, ceci pourrait provoquer un incendie ou un choc électrique.
- N'insérez pas et ne faites pas tomber de corps étrangers comme des pièces métalliques ou des matériaux hautement combustibles à l'intérieur de cette machine par une de ses ouvertures. Ceci pourrait provoquer un incendie ou un choc électrique.
- N'enlevez pas les capots de cette machine. Certaines parties de l'intérieur de cette machine sont soumises à des tensions élevées. Le fait d'enlever les capots pourrait provoquer un choc électrique.
- En fonction de la taille du cadre de l'écran utilisée, le couvercle de protection de tête thermique est fixé. Pour modifier la taille (largeur) du cadre de l'écran à utiliser, contactez votre revendeur ou un service après-vente autorisé.
- Ne démontez pas et ne modifiez pas cette machine. Ceci pourrait provoquer un incendie ou un choc électrique.
- La tête thermique et les pièces métalliques à proximité sont chaudes lorsque la machine est sous tension, ou juste après la mise hors tension. Ne les touchez pas afin d'éviter de vous brûler. Lors du nettoyage de la machine, attendez que celle-ci ait refroidi.
- Ne jamais laisser quelqu'un qui ne connaît pas le fonctionnement de la machine la toucher. Un accident risque de se produire en touchant les parties dangereuses ou en démarrant la machine par inadvertance.



Warning

- Si cette machine émet une chaleur excessive, de la fumée ou une mauvaise odeur, éteignez-la immédiatement avec l'interrupteur d'alimentation, débranchez le cordon d'alimentation et consultez votre revendeur ou un représentant du service après-vente agréé. Le manquement à cette instruction pourrait provoquer un incendie ou un choc électrique. Pour de plus amples informations, consultez votre revendeur ou un représentant du service après-vente agréé.
- Si des corps étrangers pénètrent dans cette machine, éteignez-la immédiatement avec l'interrupteur d'alimentation de l'unité principale, débranchez le cordon d'alimentation et consultez votre revendeur ou un représentant du service après-vente agréé. Si vous continuez à utiliser cette machine sans prendre les mesures appropriées, ceci pourrait provoquer un incendie ou un choc électrique.



Caution

- Ne jamais mettre ses doigts dans une ouverture, etc., de cette machine. Vous pourriez vous blesser.
- Si vous soulevez ou déplacez la machine, assurez-vous de tenir la partie inférieure de l'unité principale. En tenant la partie supérieure de l'unité principale, vous risquez de la faire tomber et de provoquer des blessures.
- La machine pèse environ 70 kg (154 lb). Prenez des précautions suffisantes lors de l'emballage, de la mise en place et du déplacement de la machine.

Faire attention à ne pas se coincer les mains ou les bras

L'étiquette d'avertissement indique le risque de blessure si votre main ou votre bras est coincé dans un couvercle ou une fente d'insertion, etc.



- N'insérez pas vos mains et ne laissez pas vos vêtements être coincés lorsque l'unité de création d'écran est en mouvement. Cela peut entraîner des blessures.

Tête d'impression thermique

Ne touchez pas la tête d'impression thermique directement avec les doigts.



La tête d'impression thermique peut être chaude et provoquer des brûlures.

Étiquette de mise en garde

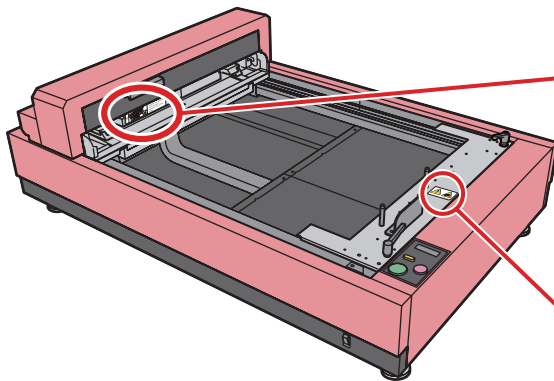
En vue d'utiliser cette machine en toute sécurité, l'étiquette de mise en garde est collée sur cette unité. Lisez attentivement les consignes de sécurité de l'étiquette lors de l'entretien de cette unité ou de son utilisation.

N'ôtez pas l'étiquette et gardez-la propre. Si l'étiquette n'est pas collée sur l'unité, s'est cornée ou est illisible, contactez votre revendeur ou un membre du service après-vente autorisé.

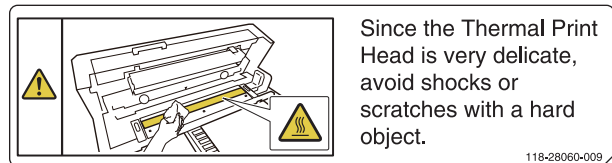
Emplacement de l'étiquette de mise en garde

L'emplacement des étiquettes (avertissement) est indiqué ci-dessous.

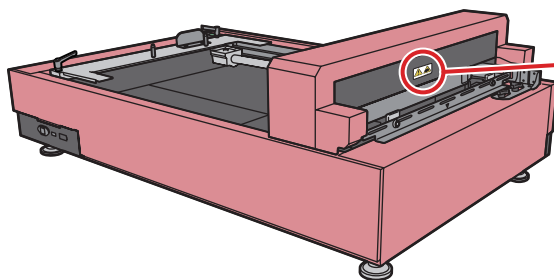
Côté Avant/Bas



Étiquette de précaution de la tête d'impression thermique



Côté Arrière/Haut



Étiquette d'avertissement



Contenu de l'étiquette de précaution de la tête d'impression thermique

L'emplacement indiqué par cette étiquette (tête d'impression thermique) a une température élevée. La tête d'impression thermique étant très fragile, évitez les chocs ou les rayures avec un objet dur.


Contenu de l'étiquette d'avertissement

L'étiquette d'avertissement indique le risque de blessure si votre main ou votre bras est coincé lorsque l'unité de création d'écran est en mouvement.

Avant la première utilisation


Précautions d'installation

Lieu d'installation

- L'emplacement d'installation de cette machine doit être décidé avec vous au moment de la livraison.
- Le lieu d'installation de cette machine doit être fixe. Si vous souhaitez déplacer cette machine, consultez votre revendeur ou un représentant du service après-vente agréé.
- N'installez pas cette machine dans les endroits énumérés ci-dessous. Tout manquement au suivi de cette précaution peut entraîner un dysfonctionnement, une défaillance ou un accident.
 - Endroits exposés aux rayonnements directs du soleil et endroits situés à proximité de fenêtres (recouvrez les fenêtres de rideaux si nécessaire) 
 - Endroits soumis à des changements soudains de température
 - Endroits extrêmement chauds et humides ou endroits froids et secs
 - Endroits exposés au feu ou à la chaleur, à l'air froid direct (ex. climatiseur), à l'air chaud direct (ex. chauffage) ou un endroit où la chaleur est transmise
 - Endroits dotés d'une mauvaise perméabilité et d'une mauvaise ventilation
 - Les endroits poussiéreux
 - Emplacements à la résistance suffisante tels qu'une table de travail

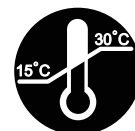
Remarques concernant l'environnement de fonctionnement

- Installez la machine dans un endroit dont le niveau figure dans la page déterminée. (Planéité pour l'installation: 10 mm (0,39") ou moins en longueur et en largeur)

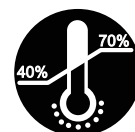
 Pieds ajusteurs ► P. 22

- Les conditions environnementales appropriées sont les suivantes

- Plage de températures:
15 °C à 30 °C
(59 °F à 86 °F)

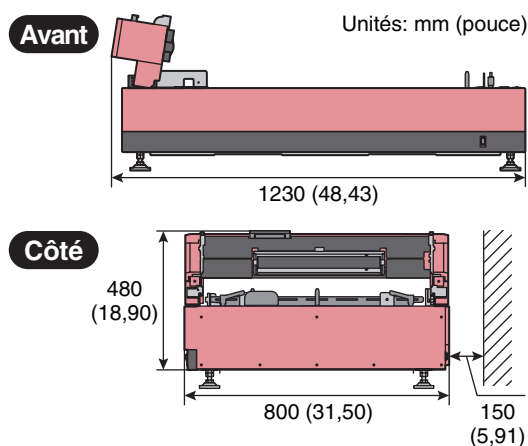


- Plage d'humidité:
40 % à 70 %
(sans condensation)



Espace requis

Cette machine requiert l'espace suivant.



Précautions concernant la connexion

Précautions lors de la connexion à l'alimentation électrique

- Veillez à bien brancher le cordon d'alimentation correctement afin d'éviter tout mauvais contact au niveau de la fiche électrique.
- Placez cette machine à proximité de la prise électrique.



Le pilote d'imprimante

Ce pilote d'imprimante est conçu pour la création d'écran par transmission des données originales à partir de votre ordinateur.

Le pilote d'imprimante est contenu sur le CD-ROM fourni. Lors de la première réalisation d'un master d'écran, il est nécessaire d'installer le pilote d'imprimante.

Précautions lors de la connexion à un ordinateur

- Avant d'utiliser la machine, assurez-vous d'installer le pilote d'imprimante à partir du CD-ROM fourni.

! Important


Ne connectez pas la machine à l'ordinateur avant d'avoir installé le pilote d'imprimante.

- La machine doit être connectée à un ordinateur via un câble USB disponible dans le commerce (inférieur à 3 m (10 pieds), compatible Hi-Speed USB).
- La tension maximale permise pour l'entrée et la sortie du connecteur USB est de 5 V.

Précautions d'utilisation

Manipulation

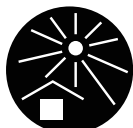
- Cette machine est une machine de précision. Ne pas placer d'objets lourds sur la machine et ne pas lui faire subir de choc ou une pression excessive.
- N'introduisez pas vos doigts ou vos mains dans la tête thermique et dans les pièces mobiles.
- Ne pas déplacer l'unité de création d'écran avec les mains. Utilisez le mode de configuration personnalisée pour déplacer l'unité de création d'écran au centre.
- Ne coupez pas l'alimentation électrique et ne débranchez pas le cordon d'alimentation pendant le fonctionnement.
- Lorsque la machine est en marche, ne pas déplacer un cadre d'écran et ne pas déplacer la machine.
- Ne pas ouvrir l'unité de création d'écran pendant son fonctionnement.
- Cette machine contient des pièces de précision et des mécanismes d'entraînement. N'effectuez que les procédures décrites dans le présent manuel.
- Nettoyer cette machine fréquemment. Si un corps étranger se trouve sur un écran, la tête thermique sera endommagée. Ne pas utiliser de solvants organiques hautement solubles tels que du diluant ou du benzène pour le nettoyage. Leur utilisation produira un décollement du revêtement et des pannes. Pour le nettoyage, utilisez un détergent neutre.
- Pour la machine, utilisez RISO Digital Screen Master spécifié et RISO DIGITAL SCREEN QS MASTER. La qualité n'est pas garantie en cas d'utilisation d'autres écrans.

 Master d'écran ► P. 84

Stockage du master d'écran

N'installez pas ces éléments dans les endroits énumérés ci-dessous.

- Endroits exposés aux rayonnements directs du soleil et endroits situés à proximité de fenêtres (recouvrez les fenêtres de rideaux si nécessaire)
- Endroits soumis à des changements soudains de température
- Endroits extrêmement chauds et humides ou endroits froids et secs



Documents à ne pas imprimer

N'utilisez cette machine d'aucune manière pouvant violer des lois ou des droits d'auteur établis, même si vous faites des copies pour votre usage personnel. Consultez les autorités locales pour plus de détails. En général, faites preuve de discrétion et de bon sens.

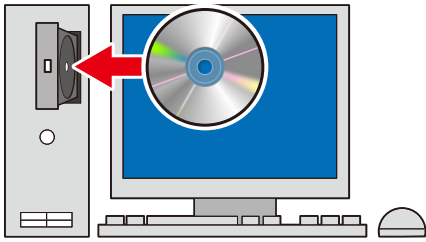
Caractéristiques de cet appareil


Cette machine est destinée à la réalisation d'écrans de sérigraphie numériques, conçus exclusivement pour les masters de sérigraphie numériques RISO. Fixer un écran au cadre et l'installer sur la machine pour lancer la réalisation de l'écran de sérigraphie. Ce document décrit la procédure jusqu'à l'étape "3. Réalisation d'un écran".

Processus de la réalisation de l'écran jusqu'à l'impression

1. Configuration initiale

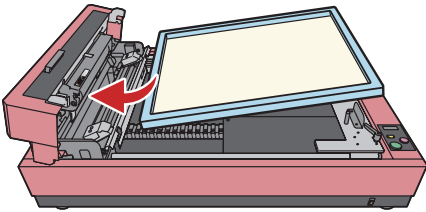
Installez le logiciel "RISO GOCCO-PRO Printer Driver" sur votre ordinateur.




 Procédure d'installation:
Pour Windows ► P. 41
Pour Mac OS ► P. 44

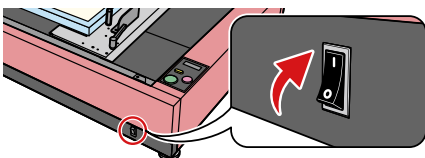
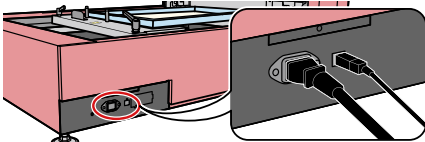
2. Préparation de la réalisation de l'écran

Installer le cadre de l'écran sur la machine.



 Paramètres du cadre de l'écran ► P. 34

Connecter la machine à l'ordinateur avec le câble USB, puis allumer la machine.




 Connexion du câble et source d'alimentation ► P. 38

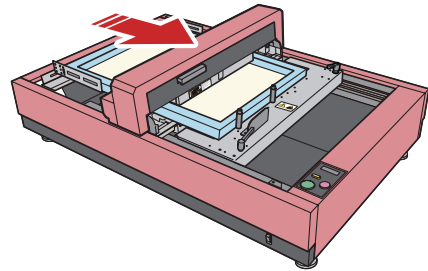
3. Réalisation d'un écran

Transmettre les données d'origine.

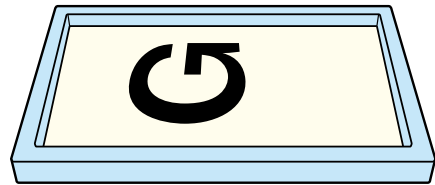


 Envoi des données d'origine:
Pour Windows ► P. 48
Pour Mac OS ► P. 56

La réalisation de l'écran démarre.

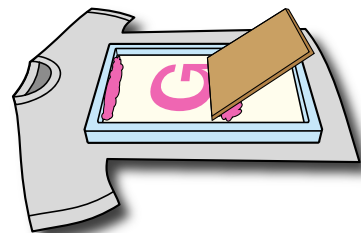


La réalisation de l'écran est terminée.



4. Impression

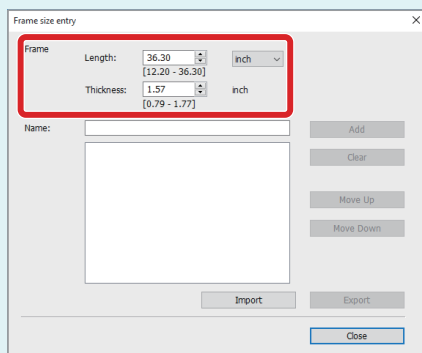
Utiliser une encre adaptée au type de tissu et à l'utilisation prévu.





Points clés de la fabrication

◆ Paramétrage de la taille du cadre de l'écran

Régler à l'avance le cadre de l'écran.

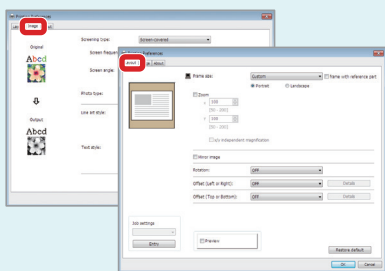



 Taille du cadre de l'écran ► P. 26

 Paramétrage de la taille du cadre d'écran (Windows) ► P. 49


◆ Paramétrage du logiciel de l'imprimante


Le type d'écran peut être défini en fonction de l'image à transférer, le tissu sur lequel imprimer, et l'encre utilisée.



 Paramétrage de la taille du cadre de l'écran (Windows) ► P. 52

 Paramétrage de la zone d'image (Mac OS) ► P. 57

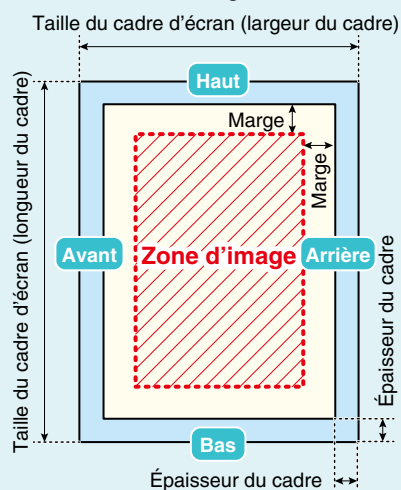
 Réglage du processus de réalisation de l'écran:
Pour Windows ► P. 52
Pour Mac OS ► P. 60

 Réglage du type de d'écran:
Pour Windows ► P. 54
Pour Mac OS ► P. 61


◆ L'Aperçu

Vous pouvez visualiser un aperçu de comment l'image sera transférée sur l'écran dans le logiciel fourni sous [Aperçu] avant de passer à la réalisation de l'écran.

- L'image est-elle intégralement dans la zone d'image ?
- L'orientation de l'image est-elle correcte ?

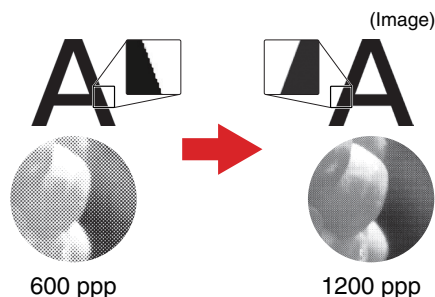


Vous trouverez plus d'informations sur la zone d'image et l'orientation dans ce guide.

 Informations sur la réalisation d'écrans ► P. 25

Fonctionnalité de la machine

La machine permet de reproduire du texte fin et des dégradés avec une précision élevée par perforation de haute résolution à 600 ppp (densité de perforation 1200 ppp) x 1200 ppp.



Un traitement spécial peut être nécessaire en fonction du type de support.

Caractéristiques

GOCCOPRO QS1836

Procédé de réalisation de l'écran	Réalisation d'écran par procédé numérique ultra rapide
Durée de la réalisation d'écran	Environ 200 sec. (Lorsque la taille de la zone d'image est 350 x 594 mm (13,78" x 23,39"))
Taille de la zone d'image (largeur x longueur)	Minimum: 10 mm x 10 mm (0,39" x 0,39") Maximum: 350 mm x 759 mm (13,78" x 29,88") (épaisseur de cadre de 20 mm (0,79")) 350 mm x 734 mm (13,78" x 28,90") (épaisseur de cadre de 45 mm (1,77"))
Résolution (Numérisation horizontale x numérisation verticale)	600 ppp (densité de perforation: 1200 ppp) x 1200 ppp
Panneau de commande	Boutons moulés en résine/Affichage 7 segments
Position de démarrage d'écriture	90 ± 2 mm (3,54" ± 0,08") du bord supérieur (Avec une cale de cadre d'écran) 98 ± 2 mm (3,86" ± 0,08") du bord supérieur (Sans cale de cadre d'écran)
Marge	45 mm (1,77") ou plus côté inférieur 25 mm (0,98") côté avant, 25 mm (0,98") ou plus côté arrière
Précision de la position de réalisation d'écran	± 0.5 mm (0.02") ou moins (précision de la position lors de la réalisation répétée d'écrans)
Mode de réglage personnalisé	Son bip/Compteur de master d'écran (nombre d'écrans)/Extension/contraction de l'image/Test d'impression (vérification, grille ou ligne noire centrale)/Commutation de réalisation d'écran automatique/Centrage de l'unité de réalisation d'écran/Affichage des informations de version/Vérification du capteur du master d'écran/Vérification du capteur de pression de réalisation d'écran/Vérification du commutateur de réglage de l'unité de réalisation d'écran/Vérification du capteur inférieur de cadre/Température du thermistor/Vérification de la tension de la tête d'impression thermique (avant et arrière)/Variables énergétiques de la réalisation d'écran
Taille du cadre de l'écran (dimensions extérieures) (largeur x longueur)	Minimum: 440 mm x 310 mm (17,32" x 12,20") (Pour une épaisseur de cadre de 20 mm (0,79")) Maximum: 635 mm x 914 mm (25,00" x 36,00") (Avec une cale de cadre d'écran) 635 mm x 922 mm (25,00" x 36,30") (Sans cale de cadre d'écran)
Épaisseur du cadre de l'écran	20 mm à 45 mm (0,79" à 1,77")
Capacité de la mémoire	128 MB
Source d'alimentation	CA 100 - 240 V, 50 - 60 Hz, 3,6 - 1,4 A
Consommation électrique	Maximum: 300 W En veille: 50 W ou moins
Dimensions (L x P x H)	Pendant l'utilisation: 1215 mm x 800 mm x 410 mm (47,83" x 31,50" x 16,14")
Espace requis (L x P x H)	1230 mm x 800 mm x 480 mm (48,43" x 31,50" x 18,90")
Poids	Env. 70 kg (154 lb)
Informations relatives à la sécurité	Intérieur, degré de pollution 2*, À une altitude de 2000 m ou moins
Accessoires	CD-ROM de pilotes Licence de logiciel de pilotes Feuillet de protection de la confidentialité

*Le degré de pollution de l'environnement d'utilisation à cause de la saleté et de la poussière dans l'air. Le degré "2" correspond à un environnement intérieur courant.

- Remarque
 - Veuillez noter qu'en raison des améliorations et des modifications apportées à l'appareil, certaines images et explications de ce guide peuvent ne pas correspondre à votre machine.
 - Les caractéristiques sont susceptibles d'être modifiées sans préavis.
 - Notez que RISO ne pourra être tenu pour responsable de quoi que ce soit pouvant résulter de l'utilisation de ce guide ou de la machine.

Notification à l'attention des États membres de l'Union européenne

RISO, l'environnement et la directive relative aux déchets d'équipements électriques et électroniques (directive DEEE)

Qu'est-ce que la directive DEEE ?

La directive DEEE vise à réduire les déchets et à assurer le recyclage des équipements électriques et électroniques lorsqu'ils arrivent en fin de vie utile.



Que signifie le symbole de la poubelle sur roues barrée ?

Le symbole de la poubelle sur roues barrée indique que ce produit doit être mis au rebut indépendamment des déchets courants.

Veuillez contacter votre représentant de service après-vente RISO pour obtenir des informations sur la mise au rebut.

Que signifie le trait plein ?

Le trait plein apparaissant sous la poubelle sur roues barrée indique que ce produit a été commercialisé après le 13 août 2005.

Qui dois-je contacter pour obtenir plus d'informations sur la directive DEEE ?

Vous devez contacter votre représentant de service après-vente local RISO pour obtenir de plus amples informations.

Digitaler Siebdrucker

Modell: GOCCOPRO QS1836

Die Verwendung unterliegt der Warnung, dass durch nicht autorisierte und nicht genehmigte Veränderungen oder Bearbeitungen die Verwendungsbefugnis erlöschen kann.

Achtung

Dieses Produkt entspricht Klasse A. In einer häuslichen Umgebung könnte dieses Produkt Funkstörungen verursachen. In diesem Fall sind entsprechende Gegenmaßnahmen zu ergreifen.

MASCHINENLÄRMINFORMATION

Maschinenlärminformations-Verordnung 3. GSGV:

Der höchste Schalldruckpegel beträgt 70 dB(A) oder weniger gemäß EN ISO 7779.

Hinweis:


Das Gerät ist nicht für die Benutzung am Bildschirmarbeitsplatz gemäss Bildschirmarbeitsverordnung vorgesehen.

Sicherheitsinformationen (De)

Vielen Dank für den Kauf dieser Maschine.
Diese Maschine ist ein Digitalsiebdrucker, der leicht zu bedienen ist.

Dieses Handbuch enthält Hinweise für die grundlegende Bedienung der Maschine, Vorsichtsmaßnahmen bei der Verwendung, Methoden für den Umgang mit Verbrauchsmaterialien und eine Anleitung zur Problemlösung.

Lesen Sie das Handbuch sorgfältig durch, bevor Sie das Gerät in Betrieb nehmen. Lesen Sie das Handbuch auch, falls Sie Fragen während der Benutzung haben und wann immer es notwendig ist, damit Sie für viele Jahre Freude an Ihrem Gerät haben.

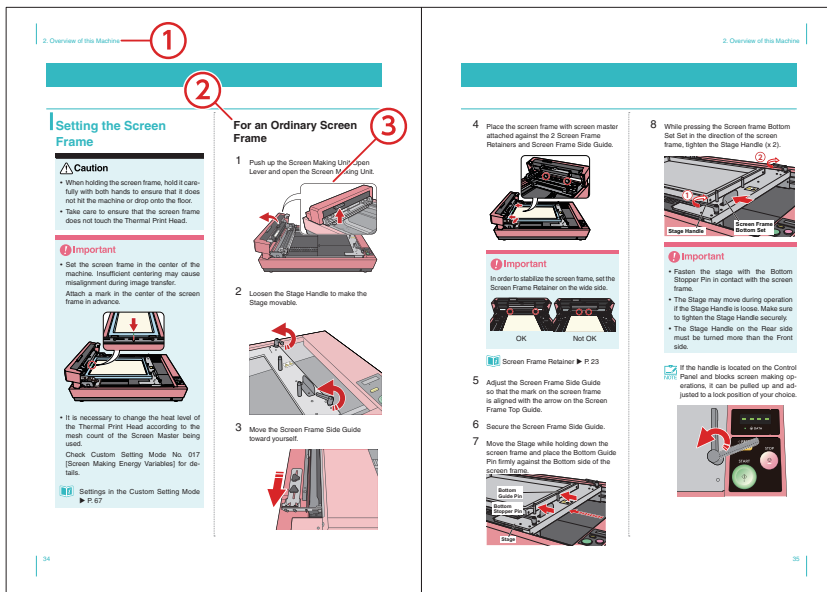
- Microsoft und Windows sind entweder eingetragene Marken oder Marken der Microsoft Corporation in den Vereinigten Staaten und/oder anderen Ländern.
- Mac und Mac OS sind Warenzeichen von Apple Inc.
- , GOCCOPRO und RISORINC sind Warenzeichen oder eingetragene Warenzeichen der RISO KAGAKU CORPORATION in den Vereinigten Staaten und anderen Ländern.
- Alle anderen Produkt- und Firmennamen sind eingetragene Warenzeichen oder Warenzeichen des jeweiligen Unternehmens.
- Die Anzeigen und Inhalte, die in diesem Handbuch aufgeführt sind, können vom tatsächlichen Produkt abweichen.
- Die Anzeigen und Meldungen, die in den Verfahren auftauchen, können je nach Computertyp und Anwendung abweichen.

Die Bezeichnungen in Diesem Handbuch

Die Bezeichnungen, Zeichen und Terminologie, die in diesem Handbuch verwendet werden, sind unten aufgeführt.

Bezeichnung von Seiten, die Beschreibungen der Abläufe und Funktionen enthalten

Seiten, die Beschreibungen der Funktionen und Abläufe enthalten, verwenden folgende Bezeichnungen. Außerdem werden die Benennung der Tasten auf dem Bedienfeld und der Knöpfe auf dem Computerfenster in eckigen Klammern [] angegeben.



① **Kapitelüberschrift**

② **Betriebsablauf**

Ein Betriebsablauf wird in Schritten beschrieben.

③ **Ablaufdarstellung**

Zeigt einen Teil an, der mit dem Ablauf zusammenhängt wie z. B. die Maschine, das Bedienfeld oder einen Computerbildschirm.

Verwendete Zeichen in Diesem Handbuch

	Warning	Eine Warnung in Bezug auf die Sicherheit.
	Caution	Für genauere Angaben siehe "Warnhinweise" auf Seite 12 dieses Handbuchs.
	Important	Ein wichtiger Punkt, der zu beachten ist, wenn die Maschine bedient wird.
	NOTE	Zusätzliche Informationen, die nützlich sind, wenn die Maschine benutzt wird.
		Zeigt eine zugehörige Referenzseite an.

Verwendete Terminologie in Diesem Handbuch

Originaldaten	Bild- und Textdaten, die auf einem Computer erstellt wurden.
Siebdruck	Das Verfahren zum Lesen von Originaldaten, die von einem Computer an die Maschine gesendet werden, und dem entsprechenden Perforieren eines Screenmasters.
Standardwert	Der Anfangswert jeder Einstellung unmittelbar nach dem die Maschine eingeschaltet wurde.

Hinweis zu den Computerbildschirmen

Die Art und Weise wie Dialogfelder, usw. angezeigt werden, kann je nach verwendeter Version des Betriebssystems von jener, die in diesem Handbuch abgebildet ist, abweichen.



Sicherheitshinweise

Dieser Abschnitt enthält Sicherheitsinformationen, die vor dem Gebrauch des Gerätes zu beachten sind. Lesen Sie diesen Abschnitt aufmerksam durch, bevor Sie dieses Gerät verwenden.

Warnhinweise

Die folgenden Warnhinweise dienen der Sicherstellung eines sachgerechten Gerätebetriebes und sollen Personengefährdungen sowie Sachschäden verhindern.

Vergewissern Sie sich, dass sie den Inhalt vollständig verstehen, bevor Sie mit dem Haupttext fortfahren.

 Warning	Kennzeichnet, dass falsche Handhabung durch Ignorieren dieses Symbols zu schweren oder tödlichen Verletzungen führen kann.
 Caution	Kennzeichnet, dass falsche Handhabung durch Ignorieren dieses Symbols zu Verletzungen oder Sachschäden führen kann.



Aufstellungsort

Caution

- Stellen Sie dieses Gerät nicht auf instabilen, wackeligen oder schrägen Flächen auf. Wenn dieses Gerät herunterfällt oder umkippt, können Verletzungen die Folge sein.
- Stellen Sie das Gerät nicht in feuchten oder staubigen Umgebungen auf. Andernfalls kann Feuer oder elektrischer Schlag die Folge sein.
- Diese Maschine ist nicht für den Gebrauch durch Kinder geeignet. Verwenden Sie die Maschine an einem Ort, der Kindern nicht zugänglich ist.

Netzanschluss

Warning

- Das mitgelieferte Netzkabel ist für dieses Gerät bestimmt. Verwenden Sie es nicht für andere Elektrogeräte. Andernfalls können Feuer oder elektrischer Schlag die Folge sein.
 - Verwenden Sie das Stromkabel nicht im zusammengebundenen oder aufgewickelten Zustand, um zu vermeiden, dass das Kabel sich aufheizt und Feuer fängt.
 - Verwenden Sie keine Zweig- oder Mehrfachsteckdosen. Andernfalls können Feuer oder elektrischer Schlag die Folge sein.
- 
- Das Netzkabel darf nicht angekratzt, beschädigt oder manipuliert werden. Keine schweren Gegenstände auf das Netzkabel stellen und nicht verziehen oder verbiegen, da es sonst beschädigt werden kann. Andernfalls können Feuer oder elektrischer Schlag die Folge sein.
- 
- Das Netzkabel darf nicht mit nassen Händen angefasst werden. Andernfalls kann elektrischer Schlag die Folge sein.

Caution

- Beim Trennen nicht das Netzkabel ziehen, sondern das Netzkabel am Stecker festhalten. Andernfalls kann das Netzkabel beschädigt werden, was zu Feuer oder einem elektrischen Schlag führen kann.
- Wenn dieses Gerät längere Zeit nicht verwendet wird, z. B. über mehrere Feiertage, trennen Sie das Netzkabel für eine erhöhte Sicherheit.
- Trennen Sie das Netzkabel mindestens einmal pro Jahr von der Steckdose und reinigen Sie die Steckerstifte sowie deren Umgebung. Staub, der sich in diesen Bereichen ansammelt, kann einen Brand verursachen.

Erdungsanschluss

Warning

- Bitte achten Sie darauf, dass Sie den Stecker mit dem Erdungsleiter in eine Steckdose mit einem Erdungsanschluss einstecken. Wenn die Maschine nicht geerdet ist, kann es zu einem Kurzschluss kommen. Andernfalls können Feuer oder elektrischer Schlag die Folge sein.



Gerätehandhabung

Warning

- Keine mit Flüssigkeiten gefüllte Behälter auf dieses Gerät stellen und auch keine Metallgegenstände darauf ablegen. Wenn Wasser in das Gerät eindringt oder Metallgegenstände hineinfallen, kann es zu Feuer oder einem elektrischen Schlag kommen.
- In der Nähe dieses Gerätes keine feuergefährlichen Sprays und entflammare Lösungsmittel verwenden. Wenn versprühte Gase oder entflammare Lösungsmittel mit elektrischen Teilen im Innern des mechanischen Systems in Kontakt kommen, besteht Brand- und Elektroschockgefahr.
- Keine Fremdkörper, wie z. B. Metallteile oder hoch entflammare Teile, durch eine Geräteöffnung in dieses Gerät einführen oder hineinfallen lassen. Andernfalls können Feuer oder elektrischer Schlag die Folge sein.
- Die Abdeckungen dieses Gerätes nicht abnehmen. Durch Abnehmen der Abdeckungen kann es zu einem elektrischen Schlag kommen.
- In Abhängigkeit von der Größe des verwendeten Siebdruckrahmens ist die Schutzabdeckung des Thermokopfes angebracht. Um die Größe (Breite) des verwendenden Siebdruckrahmens zu ändern, wenden Sie sich an Ihren Händler oder eine autorisierte Kundendienstvertretung.
- Nicht versuchen, dieses Gerät zu zerlegen oder zu modifizieren. Andernfalls können Feuer oder elektrischer Schlag die Folge sein.
- Der Thermokopf und die umgebenden Metallteile sind heiß, wenn das Gerät eingeschaltet ist oder kurz nachdem es ausgeschaltet ist. Berühren Sie die Teile nicht, um zu vermeiden, dass Sie sich verbrennen. Wenn Sie die Maschine reinigen, warten Sie, bis sie sich abgekühlt hat.
- Lassen Sie eine fremde Person, die nicht weiß, wie sie die Maschine zu verwenden hat, diese nicht berühren. Dies kann durch die Berührung der gefährlichen Teile oder das unerwartete Starten der Maschine zu einem Unfall führen.



Warning

- Sollte das Gerät übermäßige Hitze, Rauch oder üblen Geruch entwickeln, sofort den Hauptschalter ausschalten, das Netzkabel trennen und den Händler oder autorisierten Servicepartner verständigen. Andernfalls kann Feuer oder elektrischer Schlag die Folge sein. Weitere Informationen erhalten Sie von Ihrem Fachhändler oder autorisierten Servicepartner.
- Sollte ein Fremdkörper in das Gerät gelangen, sofort den Hauptschalter ausschalten, das Netzkabel trennen und den Händler oder autorisierten Servicepartner verständigen. Wenn Sie das Gerät ohne geeignete Maßnahmen weiterverwenden, besteht Brand- oder Stromschlaggefahr.



Caution

- Stecken Sie niemals Ihre Finger in eine Öffnung usw. dieser Maschine. Es kann zu Verletzungen führen.
- Wenn Sie die Maschine anheben oder transportieren, halten Sie stets die Unterseite des Hauptgeräts fest. Wenn Sie nur den oberen Teil des Hauptgeräts festhalten, kann dies dazu führen, dass es herunterfällt, und eine Verletzung verursacht.
- Die Maschine wiegt etwa 70 kg. Ergreifen Sie bei der Verpackung, Installation und beim Transport der Maschine die entsprechenden Vorsichtsmaßnahmen.

Klemmen Sie sich Ihre Hände oder Arme nicht ein

Der Warneufkleber weist auf die Möglichkeit einer Verletzung hin, wenn Ihre Hand oder Ihr Arm in einer Abdeckung oder einem Einschubschacht eingeklemmt wird usw.



- Stecken Sie Ihre Hände nicht in das Gerät und achten Sie darauf, dass sich Ihre Kleidung nicht verfängt, wenn sich die Siebdruckeinheit bewegt. Dies kann zu einer Verletzung führen.

Thermodruckkopf

Den Thermodruckkopf nicht berühren. Der Thermodruckkopf kann heiß werden und Verbrennungen hervorrufen.



Warnsymbole

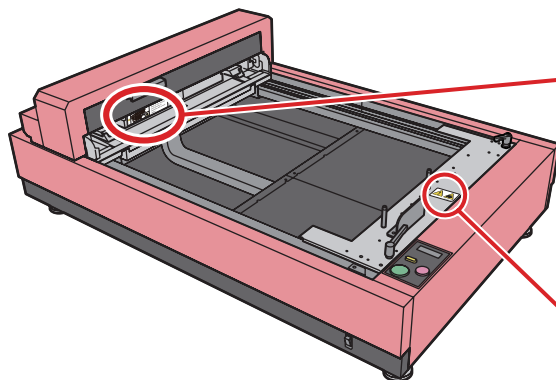
Aus Sicherheitsgründen ist dieses Gerät mit dem unten angegebenen Warnsymbol versehen. Wenn Sie mit diesem Gerät arbeiten oder dieses Gerät warten, lesen Sie bitte die Hinweise auf dem Warnsymbol, das eine sichere Benutzung des Geräts gewährleistet.

Entfernen Sie das Warnsymbol nicht und achten Sie darauf, dass es nicht beschmutzt wird. Sollte das Warnsymbol vom Gerät abfallen, die Schrift ausgeblichen oder nicht mehr leserlich sein, wenden Sie sich an Ihren Händler oder eine autorisierte Kundendienstvertretung.

Platzierung der Warnsymbole

Die Platzierungen der Warnsymbole werden wie folgt gezeigt:

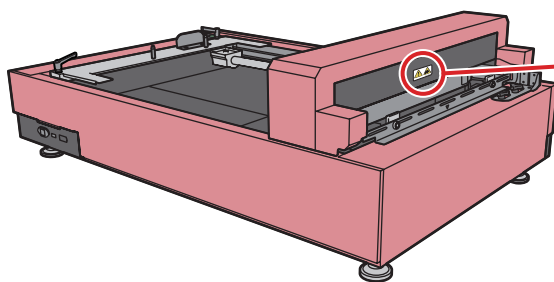
Vorder-/Unterseite



Warnaufkleber für den Thermodruckkopf



Rück-/Oberseite



Warnaufkleber



Inhalt des Warnaufklebers für den Thermodruckkopf

Der durch diesen Aufkleber angegebene Ort (Thermodruckkopf) ist sehr heiß. Da der Thermodruckkopf sehr empfindlich ist, vermeiden Sie Stöße oder Kratzer mit einem harten Gegenstand.


Inhalt des Warnaufklebers

Der Warnaufkleber weist auf die Möglichkeit einer Verletzung hin, wenn Ihre Hand oder Ihr Arm eingeklemmt wird, während sich die Siebdruckeinheit bewegt.

Vor Inbetriebnahme

Sicherheitshinweise zur Aufstellung

Aufstellungsort

- Der Aufstellungsort dieses Gerätes wird in Absprache mit Ihnen bei der Lieferung bestimmt.
- Der Aufstellungsort für dieses Gerät sollte permanent sein. Wenn Sie das Gerät bewegen möchten, wenden Sie sich an Ihren Händler oder autorisierten Servicepartner.
- Stellen Sie dieses Gerät nicht an einer der folgenden Stellen auf: Nichtbeachtung dieser Vorsichtsmaßregel kann zu Funktionsstörungen, Ausfall oder Unfällen führen.
 - Stellen mit direkter Sonneneinstrahlung und Stellen in Fensternähe (an die Fenster bei Bedarf Vorhänge anbringen) 
 - Stellen, die plötzlichen Temperaturänderungen ausgesetzt sind
 - Extrem warme und feuchte sowie kalte und trockene Stellen
 - Stellen in der Nähe von Feuer oder Hitze, direkter Kaltluft (z. B. Klimaanlage), direkter Heißluft (z. B. Heizgeräte) oder Wärmeübertragungen
 - Abgeschlossene Räume mit schlechter Lüftung
 - Staubige Orte
 - Orte ohne ausreichende Tragkraft wie zum Beispiel der Arbeitstisch

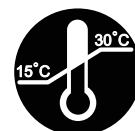
Hinweise zur Betriebsumgebung

- Installieren Sie die Maschine an einer ebenen Stelle, die folgenden Anforderungen entspricht. (Ebenheit für die Aufstellung: maximal 10 mm in der Länge und Breite)

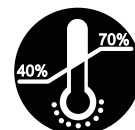
 Einstellfüße ► S. 22

- Folgende Umgebungsbedingungen sind geeignet.

- Temperaturbereich:
15 °C bis 30 °C

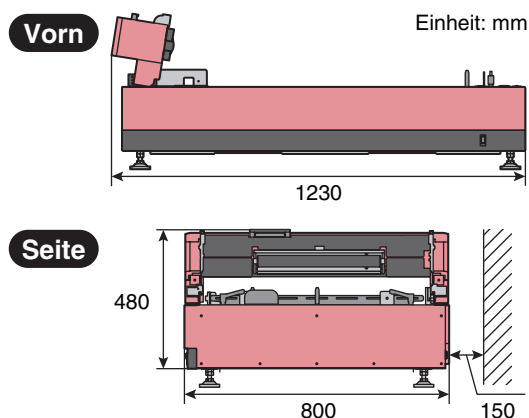


- Relative Luftfeuchtigkeit:
40 % bis 70 %
(nicht kondensierend)



Erforderlicher Platz

Für dieses Gerät ist der folgende Raum erforderlich.



Vorsichtsmaßnahmen beim Anschließen

Vorsichtsmaßnahmen beim Anschließen der Stromversorgung

- Achten Sie darauf, dass das Netzkabel sicher mit der Steckdose verbunden ist, um einen schlechten Netzsteckerkontakt zu vermeiden.
- Stellen Sie dieses Gerät in der Nähe einer Steckdose auf.



Der Druckertreiber

Dieser Druckertreiber ist für die Übertragung der Originaldaten von Ihrem Computer und die Erstellung der Siebdrucke ausgelegt.

Der Druckertreiber befindet sich auf der beigefügten CD-ROM. Wenn Sie das erste Mal eine Siebdruckvorlage erstellen, müssen Sie den Druckertreiber installieren.

Vorsichtsmaßnahmen bei der Verbindung mit einem Computer

- Bevor Sie die Maschine verwenden, müssen Sie den Druckertreiber von der beigefügten CD-ROM installieren.

! Important


Schließen Sie die Maschine nicht an den Computer an, bevor Sie den Druckertreiber installieren.

- Diese Maschine muss über ein handelsübliches USB-Kabel (weniger als 3 m, kompatibel mit Highspeed-USB) an einem Computer angeschlossen werden.
- Die höchstzulässige Spannung für einen USB-Anschluss beträgt 5 V.

Sicherheitshinweise für den Gebrauch

Behandlung

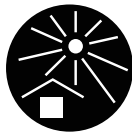
- Diese Maschine ist eine Präzisionsmaschine. Stellen Sie keine schweren Gegenstände auf die Maschine und üben Sie keine Stöße oder starken Kräfte auf sie aus.
- Stecken Sie Ihre Finger oder Hände nicht in den Thermokopf und die beweglichen Teile.
- Bewegen Sie die Siebdruckeinheit nicht mit Ihren Händen. Verwenden Sie den Benutzereinstellungsmodus, um die Siebdruckeinheit in die Mitte zu bewegen.
- Während des Betriebes das Netzkabel nicht trennen oder die Stromversorgung ausschalten.
- Verschieben Sie den Siebrahmen nicht und bewegen Sie die Maschine nicht, während die Maschine läuft.
- Öffnen Sie die Siebdruckeinheit nicht, wenn sie läuft.
- Dieses Gerät enthält Präzisionsteile und Präzisionsantriebsmechanismen. Führen Sie ausschließlich die in dieser Anleitung beschriebenen Verfahren aus.
- Reinigen Sie die Maschine regelmäßig. Wenn sich Fremdkörper auf einem Sieb befinden, wird der Thermokopf beschädigt. Verwenden Sie keine leichtlöslichen organischen Lösungsmittel wie zum Beispiel Verdünnung oder Waschbenzin zur Reinigung. Bei deren Verwendung kann die Beschichtung abblättern, dadurch können Fehler auftreten. Verwenden Sie zur Reinigung ein neutrales Reinigungsmittel.
- Verwenden Sie für die Maschine die vorgesehene RISO Digital Screen Master und RISO DIGITAL SCREEN QS MASTER. Wenn Sie andere Siebdruckeinheiten verwenden, kann die Qualität nicht garantiert werden.

 Siebdruckvorlage ► S. 84

Aufbewahrung der Siebdruckvorlage

Bewahren Sie diese Teile nicht an einer der folgenden Stellen auf:

- Stellen mit direkter Sonneneinstrahlung und Stellen in Fensternähe (an die Fenster bei Bedarf Vorhänge anbringen)
- Stellen, die plötzlichen Temperaturänderungen ausgesetzt sind
- Extrem warme und feuchte sowie kalte und trockene Stellen



Materialien, die nicht bedruckt werden dürfen

Verwenden Sie diese Gerät ausschließlich gemäß den gesetzlichen Bestimmungen und den bestehenden Urheberrechten (Copyrights), auch dann, wenn Sie Kopien für den persönlichen Gebrauch erstellen. Im Zweifelsfall wenden Sie sich an die örtlichen Behörden. Seien Sie diskret und handeln Sie nach gesundem Menschenverstand.

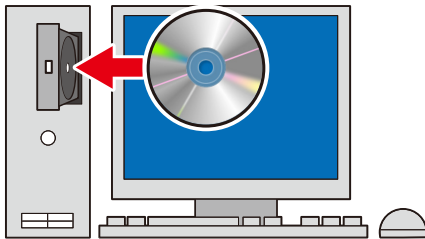
Merkmale dieser Maschine


Diese Maschine ist ein Digitalsiebdrucker, der ausschließlich für den RISO Digital Screen Masters konzipiert ist. Setzen Sie ein Sieb in den Siebdruckrahmen ein und legen Sie ihn auf die Maschine, um einen Siebdruck durchzuführen. Dieses Handbuch beschreibt den Vorgang bis "3. Siebdruck".

Vorgang vom Siebdruck bis zum Bedrucken

1. Ersteinstellung

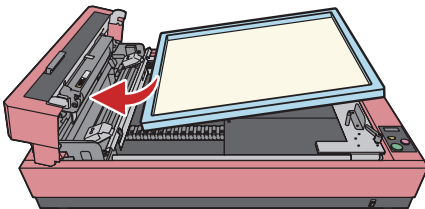
Installieren Sie den "RISO-GOCCO-PRO-Druckertreiber" auf Ihrem Computer.



 Installationsvorgang:
Für Windows ► S. 41
Für Mac OS ► S. 44

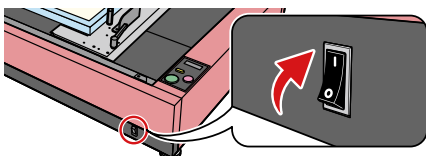
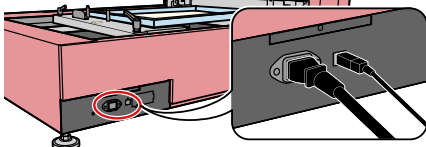
2. Vorbereitung des Siebdrucks


Legen Sie den Siebdruckrahmen auf die Maschine.



 Einstellungen des Siebdruckrahmens ► S. 34

Schließen Sie die Maschine mit einem USB-Kabel an den Computer an, und schalten Sie den Netzschalter der Maschine an.




 Kabelverbindung und Stromversorgung
► S. 38

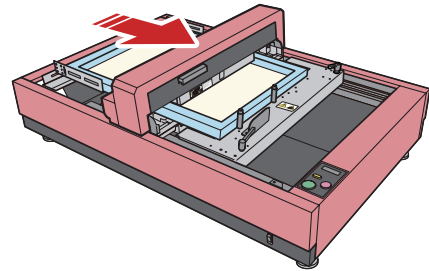
3. Siebdruck

Übertragen Sie die Originaldaten.

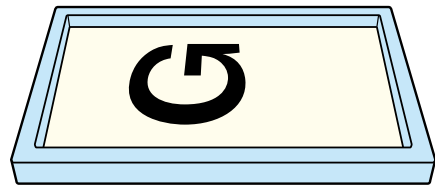


 Senden der Originaldaten:
Für Windows ► S. 48
Für Mac OS ► S. 56

Der Siebdruck startet.

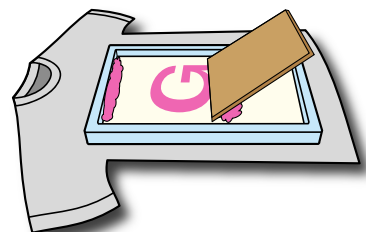


Der Siebdruck ist abgeschlossen.



4. Bedrucken

Bedrucken Sie mit der für das Material und den Verwendungszweck geeigneten Tinte.



Technische Daten

GOCCOPRO QS1836

Siebdruckverfahren	Highspeed-Digitalsiebdruck
Siebdruck Zeit	Ca. 200 Sek. (Wenn die Größe des Bildbereichs 350 mm x 594 mm beträgt)
Bildbereichgröße	Minimum: 10 mm (Breite) x 10 mm (Länge) Maximum: 350 mm (Breite) x 759 mm (Länge) (mit einer Rahmenstärke von 20 mm) 350 mm (Breite) x 734 mm (Länge) (mit einer Rahmenstärke von 45 mm)
Auflösung (Horizontaler scan x vertikaler scan)	600 dpi (Perforationsdichte: 1200 dpi) x 1200 dpi
Bedienfeld	Harzgeformte Tasten / Abschnitt 7 Anzeige
Schreibstartposition	90 ± 2 mm von der Oberkante (Mit Halterung für den Siebdruckrahmen) 98 ± 2 mm von der Oberkante (Ohne Halterung für den Siebdruckrahmen)
Rand	45 mm oder mehr an der Unterseite 25 mm oder mehr auf der Vorderseite, 25 mm oder mehr auf der Rückseite
Siebdruck Positionsgenauigkeit	± 0.5 mm oder weniger (Positionsgenauigkeit bei wiederholtem Siebdruck)
Benutzerdefinierter Einstellmodus	Piepton / Screenmaster Zähler (Nr. der Siebe) / Bild Vergrößerung / Verkleinerung / Testdruck (Kontrolle, Gitter, oder schwarze Mittellinie) / Automatischer Siebdruck Wechsel / Zentrierung der Siebdruckeinheit / Anzeigen der Versionsinformationen / Screenmaster Sensorprüfung / Siebdruck Drucksensorprüfung / Siebdruckgerät Schaltkontrolle / Unterrahmen Sensorprüfung / Temperaturfühler Temperatur / TPH Spannungsprüfung (Vorder- und Rückseite) / Siebdruck-Energievariablen
Siebrahmengröße (Außenabmessungen)	Minimum: 440 mm (Breite) x 310 mm (Länge) (Für eine Rahmenstärke von 20 mm) Maximum: 635 mm (Breite) x 914 mm (Länge) (Mit Halterung für den Siebdruckrahmen) 635 mm (Breite) x 922 mm (Länge) (Ohne Halterung für den Siebdruckrahmen)
Siebrahmenstärke	20 mm bis 45 mm
Speicherkapazität	128 MB
Strom-Quelle	Wechselstrom 100 - 240 V, 50 - 60 Hz, 3,6 - 1,4 A
Energieverbrauch	Maximum: 300 W Im Ruhezustand: 50 W oder weniger
Maße	Im Gebrauch: 1215 mm (B) x 800 mm (T) x 410 mm (H)
Erforderlicher Raum	1230 mm (B) x 800 mm (T) x 480 mm (H)
Gewicht	Ca. 70 kg
Sicherheits- Informationen	Innenraum, Verschmutzungsgrad 2*, Bei Höhenlagen von 2000 m oder niedriger
Zubehör	Treiber-CD-ROM Treiber EULA Datenschutzblatt

*Der Verschmutzungsgrad der Arbeitsumgebung durch Schmutz und Staub in der Luft. Grad "2" entspricht einer normalen Innenraumumgebung.

- Hinweis
 - Bitte beachten Sie, dass auf Grund von Verbesserungen und Veränderungen an der Maschine einige Bilder und Erklärungen in diesem Handbuch nicht Ihrer Maschine entsprechen könnten.
 - Technische Änderungen ohne vorherige Bekanntmachung vorbehalten.
 - Beachten Sie, dass RISO nicht für irgendwelche Schäden verantwortlich gemacht werden kann, die durch das Benutzen des Handbuchs oder der Maschine verursacht werden.

Hinweis für Mitgliedstaaten der Europäischen Union

RISO, die Umwelt und die Verordnung über Elektro- und Elektronik-Altgeräte (WEEE-Verordnung)

Was ist die WEEE-Verordnung?

Die WEEE-Verordnung soll Abfall reduzieren und sicherstellen, dass elektrische und elektronische Geräte am Ende ihrer Nutzungsdauer wiederverwertet werden.



Was bedeutet das Symbol einer durchgestrichenen Abfalltonne auf Rädern?

Das Symbol einer durchgestrichenen Abfalltonne auf Rädern bedeutet, dass dieses Produkt vom normalen Müll getrennt gesammelt werden muss.

Bitte wenden Sie sich an Ihren RISO-Kundendienst für weitere Informationen über die Entsorgung.

Was bedeutet das Balkensymbol?

Der Balken unter der durchgestrichenen Abfalltonne auf Rädern bedeutet, dass dieses Produkt nach dem 13. August 2005 auf den Markt gebracht worden ist.

An wen kann ich mich wenden, wenn ich mehr über die WEEE-Verordnung wissen möchte?

Für weitere Informationen sollten Sie sich an Ihren örtlichen RISO-Kundendienst wenden.

RISO KAGAKU CORPORATION LONDON OFFICE

Avda. de les Garrigues, 38-44 planta 2a local B1 08820 Prat de Llobregat - Barcelona, Spain

Quadro serigrafico digitale

Modello: GOCCOPRO QS1836

L'uso è subordinato al fatto che cambiamenti o modifiche non autorizzati possono inficiare la libertà dell'utente di utilizzare l'attrezzatura.

Avvertenza



Il presente apparecchio è di classe A. Utilizzato in aree residenziali, il presente apparecchio può causare interferenza radio. In tal caso, l'utente potrebbe essere tenuto ad adottare adeguate misure correttive.

Informazioni sulla sicurezza (It)

Grazie per aver acquistato questo macchinario.
Questo è uno screen maker digitale facile da utilizzare.

Questa guida contiene le istruzioni di base per il funzionamento del macchinario, le precauzioni per l'uso, i metodi per la gestione dei materiali di consumo e una guida per la risoluzione dei problemi.

Leggere attentamente questa guida prima di utilizzare il macchinario. Leggere questa guida anche quando si hanno dei dubbi durante l'uso ed ogni volta che è necessario, e utilizzarla per molti anni.

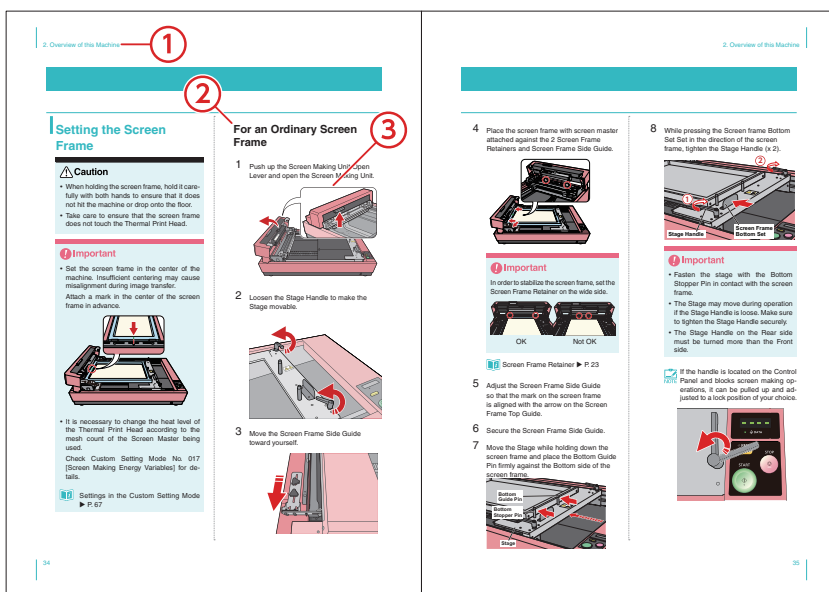
- Microsoft e Windows sono marchi di fabbrica o marchi di fabbrica registrati di Microsoft Corporation negli Stati Uniti e/o in altri Paesi.
- Mac e Mac OS sono marchi di fabbrica di Apple Inc.
- , , GOCCOPRO e RISORINC sono marchi o marchi registrati di RISO KAGAKU CORPORATION negli Stati Uniti e in altri Paesi.
- Tutti gli altri nomi dei prodotti e i nomi aziendali sono marchi di fabbrica o marchi di fabbrica registrati di ciascuna società, rispettivamente.
- Le schermate e i contenuti che appaiono in questo manuale potrebbero differire dal prodotto reale.
- Le schermate e i messaggi che appaiono nelle procedure potrebbero differire a seconda del tipo di computer e dell'applicazione .

Notazione a questa guida

La notazione, i simboli e la terminologia utilizzati in questa guida sono indicati di seguito.

Notazione di pagine contenenti descrizioni delle operazioni e delle funzioni

Pagine contenenti descrizioni delle funzioni e delle operazioni utilizzano la seguente notazione. Inoltre, i nomi dei tasti fissi sul pannello operativo e dei tasti sulle finestre del computer sono indicati con parentesi quadre [].



① **Titolo del capitolo**

② **Procedura operativa**

Una procedura operativa viene descritta in varie fasi.

③ **Illustrazione del funzionamento**

Mostra una parte correlata al funzionamento, ad esempio il macchinario, il pannello di controllo o il display del computer.

Simboli utilizzati in questa guida

	Warning	Una precauzione relativa alla sicurezza. Per i dettagli, fare riferimento a "Indicazioni di avvertenza" a pagina 12 di questa guida.
	Caution	Un punto importante da osservare quando il macchinario è in funzione.
	Important	Informazioni supplementari utili all'utilizzo del macchinario.
	NOTE	Indica una pagina di riferimento relativa.

Terminologia utilizzata in questa guida

Dati originali	I dati di immagine e di testo creati su un computer.
Screen making	Il processo di lettura dei dati originali inviati da un computer al macchinario e perforazione di uno screen master.
Valore predefinito	Il valore iniziale di ciascuna impostazione subito dopo che il macchinario viene acceso.

Nota relativa alle schermate del computer

Il modo in cui le finestre di dialogo, ecc. vengono visualizzate può differire dal modo indicato in questa guida, a seconda della versione del sistema operativo in uso sul computer.



Precauzioni in materia di sicurezza

Questa sezione descrive le informazioni da conoscere prima di utilizzare la macchina. Leggere questa sezione prima di utilizzare la macchina.

Indicazioni di avvertenza

Le seguenti indicazioni di avvertenza sono intese a garantire l'adeguato funzionamento della macchina, nonché ad evitare rischi di lesioni fisiche o di danni materiali.

Assicurarsi di comprendere bene il contenuto prima di procedere al testo principale.

 Warning	Indica che una manipolazione non corretta, che ignori questo simbolo, può provocare lesioni gravi o mortali.
 Caution	Indica che una manipolazione non corretta, che ignori questo simbolo, può provocare lesioni fisiche o danni materiali.



Ambiente di installazione

Caution

- Non collocare la macchina in una posizione instabile, su una base malferma o una superficie inclinata. La caduta o il ribaltamento della macchina possono provocare lesioni fisiche.
- La macchina non deve trovarsi in prossimità di ambienti umidi e polverosi. Il mancato rispetto di questa precauzione può dar luogo ad incendi o scosse elettriche.
- Questa macchina non è adatta per l'uso da parte dei bambini. Utilizzare la macchina in un luogo non accessibile da parte dei bambini.

Allacciamento alla rete

Warning

- Il cavo di alimentazione fornito è specificamente adatto a questa macchina. Non utilizzarlo con altre apparecchiature elettriche. Vi è il rischio di incendi o scosse elettriche.
- Non utilizzare il cavo di alimentazione intrecciato con altri cavi per evitare il riscaldamento che potrebbe portare ad un incendio.
- Non utilizzare prese con derivazioni o ramificazioni o prese multiple. Vi è il rischio di incendi o scosse elettriche. 
- Non graffiare, danneggiare o trasformare il cavo di alimentazione. Non danneggiare il cavo di alimentazione collocandolo sotto oggetti pesanti, tirandolo o piegandolo con forza. Vi è il rischio di incendi o scosse elettriche. 
- Non inserire o disinserire la spina con le mani bagnate. Si rischiano scosse elettriche.

Caution

- Per staccare la spina, non tirare il cavo di alimentazione (ma afferrare la spina). Si rischia di danneggiare il cavo, con conseguente rischio di incendi o scosse elettriche.
- Se si prevede di non utilizzare la macchina per periodi prolungati, in previsione di vacanze, ecc., non dimenticare di staccare la spina del cavo di alimentazione, onde garantire la sicurezza.
- Staccare il cavo di alimentazione almeno una volta l'anno e pulire i poli della spina e la zona ad essi circostante. L'accumulo di polvere in questi punti può provocare incendi.

Messa a terra

Warning

- Assicurarsi di inserire la spina di alimentazione con un conduttore di terra nella presa a muro con una messa a terra. Se la macchina non è collegata alla messa a terra, potrebbe verificarsi un corto circuito. Vi è il rischio di incendi o scosse elettriche.



Manipolazione della macchina

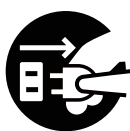
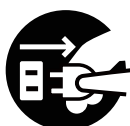
Warning

- Non poggiare sulla macchina recipienti contenenti acqua o oggetti metallici. La penetrazione di acqua o di oggetti metallici all'interno della macchina può provocare incendi o scosse elettriche.
- Non spruzzare prodotti combustibili, né utilizzare solventi infiammabili in prossimità della macchina. Il contatto tra gas spruzzato o solvente infiammabile con i componenti elettrici all'interno del sistema meccanico può provocare incendi o scosse elettriche.
- Non inserire o lasciar cadere corpi estranei come oggetti metallici o sostanze altamente combustibili in nessuna delle aperture della macchina. Vi è il rischio di incendi o scosse elettriche.
- Non rimuovere gli sportelli della macchina. La rimozione degli sportelli comporta il rischio di scosse elettriche.
- Il guscio protettivo della testina termica è collegato a seconda delle dimensioni del telaio dello schermo utilizzato. Per modificare le dimensioni (larghezza) del telaio dello schermo utilizzato, contattare il proprio rivenditore o un centro assistenza autorizzato.
- Non smontare, né modificare la macchina. Vi è il rischio di incendi o scosse elettriche.
- La testina termica e le parti metalliche circostanti sono molto calde quando la macchina è accesa o subito dopo lo spegnimento. Non toccarle per evitare ustioni. Quando si pulisce la macchina, attendere finché non si è raffreddata.
- Non consentire a persone che non sanno come utilizzare la macchina di toccarle. Toccare parti pericolose o avviare la macchina in modo involontario potrebbe causare un incidente imprevisto.



Warning

- Se la macchina dovesse surriscaldarsi o emettere fumo o cattivo odore, spegnerla immediatamente, staccare la spina del cavo di alimentazione dalla presa e rivolgersi al concessionario o al servizio assistenza autorizzato. Il mancato rispetto di questa precauzione può dar luogo ad incendi o scosse elettriche. Per ulteriori informazioni, rivolgersi al concessionario o al servizio assistenza autorizzato.
- In caso di penetrazione di un corpo estraneo all'interno della macchina, spegnere immediatamente l'interruttore di alimentazione dell'unità principale, staccare la spina del cavo di alimentazione e rivolgersi al concessionario o al servizio assistenza autorizzato. Continuare ad utilizzare la macchina senza adottare le misure adeguate comporta il rischio d'incendi o scosse elettriche.



Caution

- Non posizionare mai le dita in un'apertura, ecc. di questa macchina. Vi è il rischio di ferirsi.
- Per sollevare o spostare la macchina, assicurarsi di reggere la parte inferiore dell'unità principale. Mantenere la parte superiore dell'unità principale potrebbe provocarne la caduta e causare lesioni.
- La macchina pesa circa 70 kg. Prendere le dovute precauzioni quando si imballa, si installa o si sposta la macchina.

Evitare di rimanere incastrati con le mani o le braccia

L'etichetta di avvertenza indica la possibilità di lesioni causate dalle mani o dalle braccia incastrate in un coperchio o in una fessura di inserimento, ecc.



- Non inserire le mani o lasciare che i vestiti rimangano incastrati quando il quadro serigrafico è in movimento. Ciò comporta il rischio di lesioni.

Testina di stampa termica

Non toccare direttamente la testina di stampa termica con le dita. La testina di stampa termica può riscaldarsi e provocare scottature.



Etichetta di avvertenza

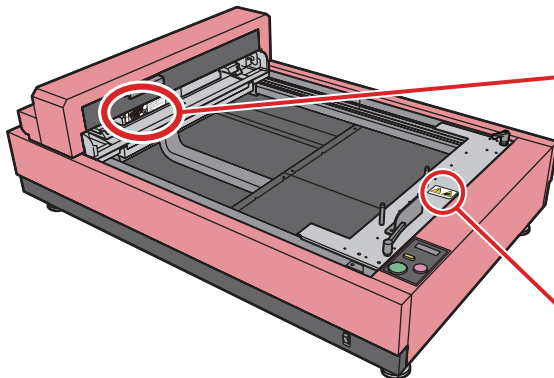
Per motivi di sicurezza, l'etichetta di avvertenza è apposta su questa unità. Durante il funzionamento o la manutenzione dell'unità, leggere le istruzioni sull'etichetta di avvertenza per garantire la sicurezza.

Non rimuovere o sporcare l'etichetta. Se l'etichetta non è posta sull'unità, è staccata o non leggibile, contattare il proprio concessionario o il rappresentante autorizzato.

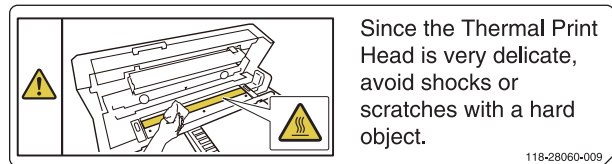
Posizione dell'etichetta di avvertenza

Le posizioni delle etichette di avvertenza (pericolo) sono indicate di seguito.

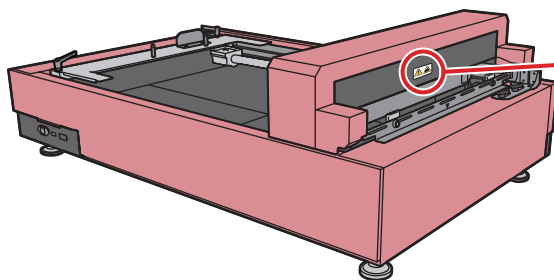
Lato anteriore/inferiore



Etichetta di avvertenza della testina di stampa termica



Lato posteriore/superiore



Etichetta di avvertenza



Contenuto dell'etichetta di avvertenza della testina di stampa termica

La posizione indicata da questa etichetta (testina di stampa termica) raggiunge temperature elevate. Poiché la testina di stampa termica è molto delicata, evitare di urtarla o graffiarla con un oggetto duro.

Contenuto dell'etichetta di avvertenza

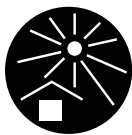
L'etichetta di avvertenza indica la possibilità di lesioni causate dalle mani o dalle braccia incastrate mentre il quadro serigrafico è in movimento.

Prima dell'uso

Precauzioni relative all'installazione

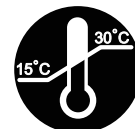
Ambiente di installazione

- Il luogo in cui installare la macchina sarà determinato insieme all'utente al momento della consegna.
- Il luogo d'installazione della macchina deve essere fisso. Qualora si preveda di spostare la macchina, rivolgersi al concessionario o al servizio assistenza autorizzato.
- Non installare la macchina negli ambienti sotto elencati. Il mancato rispetto di questa precauzione può provocare problemi di funzionamento, guasti o incidenti.
 - Ambienti direttamente esposti alla luce solare diretta, come ad esempio vicino ad una finestra (se necessario, munire di tende le finestre)
 - Ambienti soggetti a improvvisi sbalzi di temperatura
 - Ambienti estremamente caldi e umidi oppure freddi e secchi
 - Ambienti esposti a fuoco o calore, a flussi diretti di aria fredda (condizionatore d'aria) o di aria calda (impianto di riscaldamento), oppure a calore trasmesso
 - Ambienti scarsamente aerati e ventilati
 - Luoghi polverosi
 - Posizioni senza forza sufficiente come un tavolo da lavoro

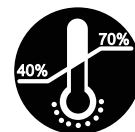


- Le condizioni ambientali adatte sono le seguenti.

- Fascia di temperatura: da 15 °C a 30 °C

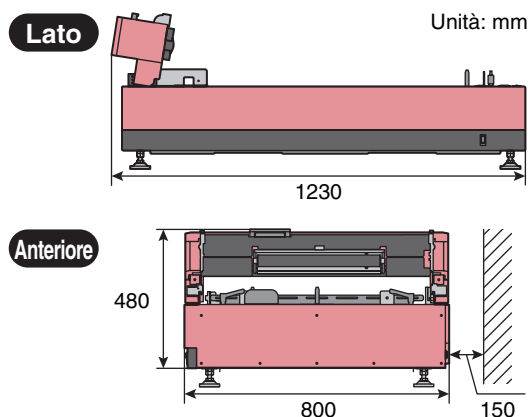


- Fascia di umidità: dal 40 % al 70 % (senza condensa)



Spazio necessario

La macchina richiede lo spazio seguente.



Note sull'ambiente di funzionamento

- Installare la macchina in un luogo il cui livello rientri nel seguente intervallo. (dislivello massimo ammesso: 10 mm, sia in lunghezza che in larghezza)

 Piedini di regolazione ► P. 22

Precauzioni relative al collegamento

Precauzioni relative al collegamento dell'alimentazione

- Fare attenzione ad inserire fino in fondo la spina del cavo di alimentazione nella presa.
- Collocare la macchina vicino alla presa di corrente.



Driver della stampante

Questo driver della stampante è stato realizzato per la realizzazione di quadri tramite trasmissione dei dati originali dal computer.

Il driver della stampante è contenuto nel CD-ROM in dotazione. Quando si realizza un quadro principale per la prima volta, è necessario installare il driver della stampante.

Precauzioni relative al collegamento con un computer

- Prima di utilizzare la macchina, assicurarsi di installare il driver della stampante dal CD-ROM in dotazione.

! Important

Non collegare la macchina con il computer prima di installare il driver della stampante.

- Questa macchina deve essere collegata con un computer tramite un cavo USB disponibile in commercio (inferiore a 3 m, compatibile con Hi-Speed USB).
- La tensione massima consentita per il connettore USB, in ingresso e in uscita, è pari a 5 V.

Precauzioni per l'uso

Utilizzo

- La macchina è un dispositivo di precisione. Non collocare oggetti pesanti sulla macchina, non urtarla o applicare una forza eccessiva su di essa.
- Non inserire le dita o le mani nella testina termica e in altre parti mobili.
- Non spostare il quadro serigrafico con le mani. Utilizzare la modalità Impostazione personalizzata per spostare il quadro serigrafico al centro.
- Non spegnere la macchina, né staccare la spina durante il funzionamento.
- Mentre la macchina è in funzione, non spostare il quadro e non spostare la macchina.
- Non aprire il quadro serigrafico durante il funzionamento.
- La macchina contiene componenti di precisione e parti in movimento. Eseguire solo le procedure specificamente descritte nella presente guida.
- Pulire la macchina frequentemente. Se del materiale estraneo è presente su un quadro, la testina termica potrebbe subire danni. Non utilizzare solventi organici altamente solubili come diluenti e benzina per la pulizia. Se vengono utilizzati, il rivestimento potrebbe staccarsi e si potrebbero verificare dei guasti. Per la pulizia, utilizzare un detergente neutro.
- Per la macchina, utilizzare RISO Digital Screen Master specificato e RISO DIGITAL SCREEN QS MASTER. Se vengono utilizzati altri quadri, la qualità non è garantita.

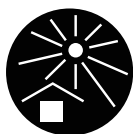


Quadro principale ► P. 84

Conservazione del quadro principale

Non conservare i materiali di consumo negli ambienti sotto elencati.

- Ambienti direttamente esposti alla luce solare diretta, come ad esempio vicino ad una finestra (se necessario, munire di tende le finestre)
- Ambienti soggetti a improvvisi sbalzi di temperatura
- Ambienti estremamente caldi e umidi oppure freddi e secchi



Materiali da non stampare

Non utilizzare la macchina in alcun modo che possa violare le leggi o i diritti di riproduzione, nemmeno per eseguire copie a fini personali. Per ulteriori dettagli, consultare le autorità locali. In generale, usare discrezione e buon senso.

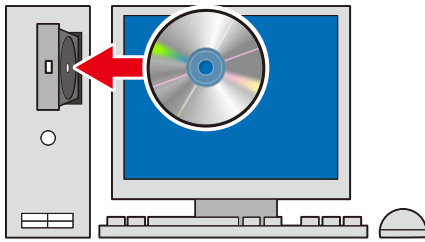
Caratteristiche di questa macchina

Questa macchina è un creatore di schermi digitali progettato esclusivamente per RISO Digital Screen Masters. Fissare uno schermo alla cornice dello schermo e impostarlo sulla macchina per eseguire lo screen making (creazione dello schermo). Questa guida descrive la procedura fino al punto "3. Screen making".

Processo da Screen making a Stampa

1. Configurazione iniziale

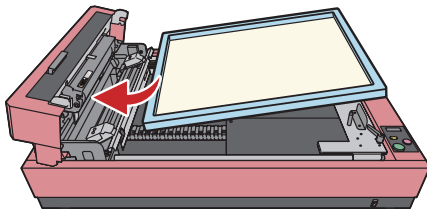
Installare il "Driver della stampante RISO GOCCOPRO" sul proprio computer.



i Procedura di installazione:
Per Windows ► P. 41
Per Mac OS ► P. 44

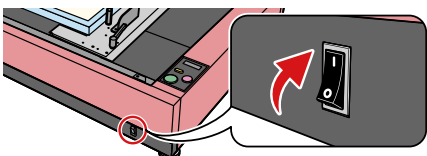
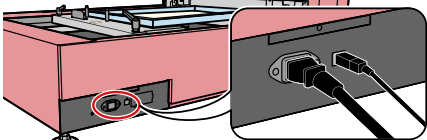
2. Preparazione dello screen making

Impostare la cornice dello schermo sulla macchina.



i Impostazioni della cornice dello schermo ► P. 34

Collegare il dispositivo al computer tramite un cavo USB, quindi accendere l'interruttore di alimentazione della macchina.



i Connessione del cavo e fonte di alimentazione
► P. 38

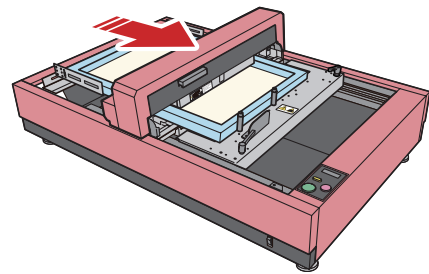
3. Screen making

Trasmettere i dati originali.

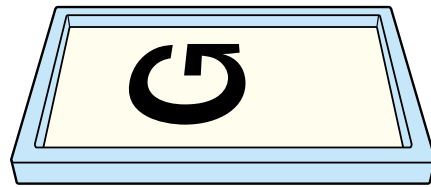


i Invio dei dati originali:
Per Windows ► P. 48
Per Mac OS ► P. 56

Lo screen making ha inizio.

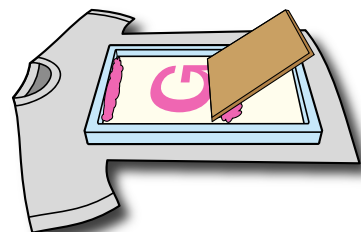


Lo screen making è terminato.



4. Stampa

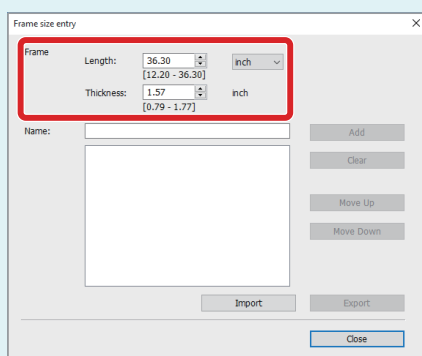
Stampa con inchiostro adatto al materiale e all'uso previsto.



Punti di controllo del funzionamento

◆ Registrazione delle dimensioni della cornice dello schermo

Impostare in anticipo la cornice dello schermo da utilizzare.



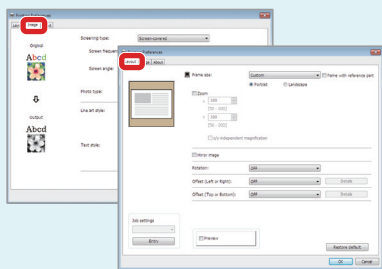
Dimensioni della cornice dello schermo ► P. 26



Registrazione della dimensione della cornice dello schermo (Windows) ► P. 49

◆ Impostazione del driver della stampante

Il tipo di screening può essere specificato in base all'immagine da trasferire, al materiale sul quale stampare e all'inchiostro da utilizzare.



Registrazione delle dimensioni della cornice dello schermo (Windows) ► P. 52



Registrazione l'area dell'immagine (Mac OS) ► P. 57



Impostazione del processo di screen making:
Per Windows ► P. 52
Per Mac OS ► P. 60

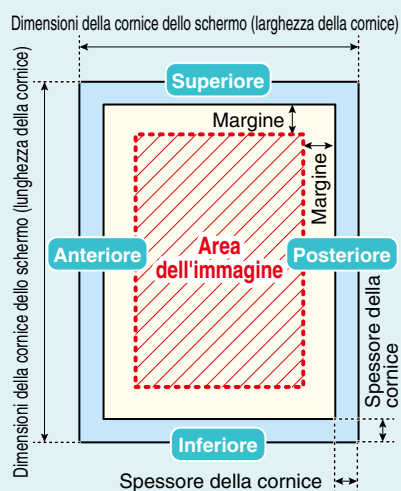


Impostazione del tipo di screening:
Per Windows ► P. 54
Per Mac OS ► P. 61

◆ Anteprima

È possibile controllare un'anteprima di come l'immagine verrà trasferita sullo schermo su [Anteprima] del driver della stampante prima di eseguire lo screen making.

- L'immagine è contenuta all'interno dell'area immagine?
- L'orientamento dell'immagine è corretto?



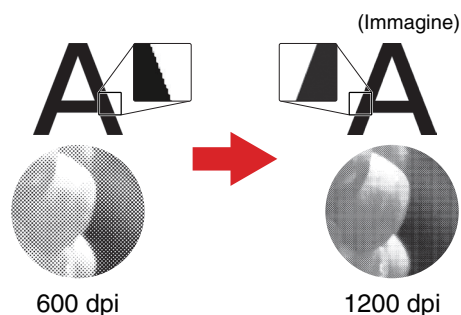
Ulteriori dettagli sull'area immagine e sull'orientamento dell'immagine sono descritti altrove in questa guida.



Informazioni sullo screen making ► P. 25

Funzionalità della macchina

La macchina consente la riproduzione accurata di testi e gradazioni con un'alta precisione tramite perforazione ad alta risoluzione a 600 dpi (densità perforazione 1200 dpi) x 1200 dpi.



Potrebbe essere necessario una lavorazione speciale, a seconda del tipo di supporto.

Specifiche

GOCCOPRO QS1836

Metodo screen making	Screen making digitale ad alta velocità
Durata dello screen making	Circa 200 sec (Quando le dimensioni dell'area dell'immagine sono pari a 350 mm x 594 mm)
Dimensioni dell'area immagine	Minimo: 10 mm (larghezza) x 10 mm (lunghezza) Massimo: 350 mm (larghezza) x 759 mm (lunghezza) (con uno spessore della cornice di 20 mm) 350 mm (larghezza) x 734 mm (lunghezza) (con uno spessore della cornice di 45 mm)
Risoluzione (Scansione orizzontale x scansione verticale)	600 dpi (densità di perforazione: 1200 dpi) x 1200 dpi
Pannello di controllo	Pulsante in resina/display a 7 segmenti
Posizione di avvio scrittura	90 ± 2 mm dal lato superiore (Con fermo per cornice serigrafica) 98 ± 2 mm dal lato superiore (Senza fermo per cornice serigrafica)
Margine	45 mm o più sul lato inferiore 25 mm sul lato anteriore, 25 mm o più sul lato posteriore
Precisione della posizione dello screen making	± 0.5 mm o meno (precisione della posizione quando si effettuano più stampe)
Modalità di impostazione personalizzata	Segnale acustico/Contatore dello screen master (n. di stampe)/Espansione/riduzione dell'immagine/Stampa di prova (controllo, griglia o linea centrale)/Commutazione automatica dello screen making/Centratura dello screen making/Visualizzazione delle informazioni sulla versione/Controllo del sensore dello screen master/Controllo del sensore di pressione dello screen master/Controllo dell'interruttore di impostazione dello screen master/Controllo del sensore cornice inferiore/Termistore/Controllo della tensione TPH (fronte e retro)/Variabili energia dello screen making
Dimensioni della cornice (dimensioni esterne)	Minimo: 440 mm (larghezza) x 310 mm (lunghezza) (Per uno spessore della cornice di 20 mm) Massimo: 635 mm (larghezza) x 914 mm (lunghezza) (Con fermo per cornice serigrafica) 635 mm (larghezza) x 922 mm (lunghezza) (Senza fermo per cornice serigrafica)
Spessore della cornice	Da 20 mm a 45 mm
Capacità di memoria	128 MB
Sorgente di alimentazione	CA 100 - 240 V, 50 - 60 Hz, 3,6 - 1,4 A
Consumo di energia	Massimo: 300 W In standby: 50 W o meno
Dimensioni	Durante l'uso: 1215 mm (L) x 800 mm (P) x 410 mm (A)
Spazio necessario	1230 mm (L) x 800 mm (P) x 480 mm (A)
Peso	Circa 70 kg
Informazioni sulla sicurezza	Uso interno, grado di inquinamento 2*, Ad altitudini di 2000 m o inferiori
Accessori	Driver CD-ROM Driver EULA Scheda di tutela della privacy

*Il grado di inquinamento dell'ambiente di utilizzo dovuto a sporcizia e polvere nell'aria. Il grado "2" corrisponde a un ambiente interno generale.

- Nota
 - Notare che a causa di migliorie e modifiche al macchinario, alcune immagini e spiegazioni contenute in questa guida potrebbero non corrispondere al vostro macchinario.
 - Le specifiche sono soggette a modifiche senza preavviso.
 - Notare che RISO non sarà ritenuta responsabile per qualsiasi problema derivante dall'uso di questa guida o del macchinario.

Avviso per gli Stati membri dell'Unione Europea

RISO, l'ambiente e la direttiva sui rifiuti di apparecchiature elettriche ed elettroniche (direttiva RAEE)

Che cos'è la direttiva RAEE?

La direttiva RAEE mira alla riduzione dei rifiuti e ad assicurare il riciclo delle apparecchiature elettriche ed elettroniche al termine del loro ciclo di vita.



Che cosa significa il simbolo del bidone dei rifiuti barrato?

Il simbolo del bidone dei rifiuti barrato indica che il prodotto deve essere smaltito separatamente rispetto ai normali rifiuti.

Per informazioni sullo smaltimento contattare il servizio di assistenza tecnica RISO.

Che cosa significa la barretta nera?

La barretta nera sotto al bidone dei rifiuti indica che il prodotto è stato immesso sul mercato dopo il 13 agosto 2005.

Come fare per ottenere ulteriori informazioni sulla direttiva RAEE?

Per ottenere ulteriori informazioni contattare il servizio di assistenza tecnica RISO più vicino.



Please contact the following for supplies and service: