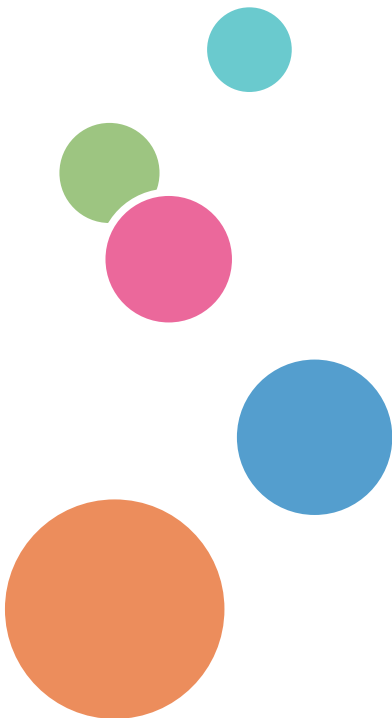




Safety Precautions

1. CAUTION

2. Safety Precautions



Read this manual carefully before you use this machine and keep it handy for future reference. For safe and correct use, be sure to read the Safety Precautions in this manual before using the machine.

CAUTION

DISCLAIMER OF WARRANTY

Contents of this manual are subject to change without prior notice.

To the maximum extent permitted by applicable laws, in no event will the manufacturer be liable for any damages whatsoever arising out of failures of this machine, losses of the registered data, or the use of this product and operation manuals provided with it. Make sure that you always copy or have backups of the data registered in this machine. Documents or data might be erased due to your operational errors or malfunctions of the machine. In no event will the manufacturer be responsible for any documents created by you using this machine or any results from the data executed by you.

FCC Statement (USA)

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.

Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note to users in the state of California (USA)

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

User Information on Electrical & Electronic Equipment

Users in the countries where this symbol shown in this section has been specified in national law on collection and treatment of E-waste

Our Products contain high quality components and are designed to facilitate recycling.

Our products or product packaging are marked with the symbol below.



The symbol indicates that the product must not be treated as municipal waste. It must be disposed of separately via the appropriate return and collection systems available. By following these instructions you ensure that this product is treated correctly and help to reduce potential impacts on the environment and human health, which could otherwise result from inappropriate handling. Recycling of products helps to conserve natural resources and protect the environment.

For more detailed information on collection and recycling systems for this product, please contact the shop where you purchased it, your local dealer or sales/service representatives.

All Other Users

If you wish to discard this product, please contact your local authorities, the shop where you bought this product, your local dealer or sales/service representatives.

For Users in India

This product complies with the "India E-waste Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

For Turkey only

EEE Yönetmeliğine Uygundur.

Bu sistem sarf malzemeleri ve yedek parçaları da dahil olmak üzere EEE Yönetmeliğine Uygundur.

complies with EEE regulation:

The system including supply and parts complies with Directive

Üretici:

Ricoh Company, Ltd.

Ricoh Building, 8-13-1 Ginza,

Chuo-ku, Tokyo 104-8222 Japan

+81-36278-2111 (English only/Sadece İngilizce)

Note for the Battery and/or Accumulator Symbol (For EU countries only)



In accordance with the Battery Directive 2006/66/EC Article 20 Information for end-users Annex II, the above symbol is printed on batteries and accumulators.

This symbol means that in the European Union, used batteries and accumulators should be disposed of separately from your household waste.

In the EU, there are separate collection systems for not only used electrical and electronic products but also batteries and accumulators.

Please dispose of them correctly at your local community waste collection/recycling centre.

Warning on Class A Product

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.

DECLARATION OF CONFORMITY

We, RICOH CO., Ltd. at address 3-6, Naka-magome 1-Chome, Ohta-Ku, Tokyo 143-8555, Japan declare under our sole responsibility that the product consisting of the following;

Product Name : Inkjet Printer
Model Name : Pro L4160, Pro L4130

to which this declaration relates is in conformity with the following standards.

EN 60950-1:2006+A11:2009+A1:2010+A12:2011
EN ISO 12100:2010
EN 60204-1:2006+A1:2009
EN 55022:2010 ClassA
EN 55024:2010
EN 61000-3-2:2006+A2:2009
EN 61000-3-3:2008
EN 62311:2008
EN 50581:2012

following the provisions of

EMC Directive 2004/108/EC
Low Voltage Directive 2006/95/EC
Machinery Directive 2006/42/EC
RoHS Directive 2011/65/EU

CE Mark is affixed in 2013

Place : Tokyo, Japan
Date : September 26, 2013









Importer:
Ricoh Europe PLC
20 Triton Street, London, NW1 3BF, U.K.

Safety Precautions

Symbols

Symbols are used in this Operation Manual for safe operation and for prevention of damage to the machine. The indicated sign is different depending on the content of caution. Symbols and their meanings are given below. Please follow these instructions as you read this manual.

Examples of symbols

Meaning	
	Failure to observe the instructions given with this symbol can result in death or serious injuries to personnel. Be sure to read it carefully and use it properly.
	Failure to observe the instructions given with this symbol can result in injuries to personnel or damage to property.
	Important notes in use of this machine are given with this symbol. Understand the notes thoroughly to operate the machine properly.
	Useful information is given with this symbol. Refer to the information to operate the machine properly.
	Indicates the reference page for related contents.
	The symbol "△" indicates that the instructions must be observed as strictly as the CAUTION instructions (including DANGER and WARNING instructions). A sign representing a precaution (the sign shown at left warns of hazardous voltage) is shown in the triangle.
	The symbol "⊘" indicates that the action shown is prohibited. A sign representing a prohibited action (the sign shown at left prohibits disassembly) is shown in or around the circle.
	The symbol "●" indicates that the action shown must be taken without fail or the instructions must be observed without fail. A sign representing a particular instruction (the sign shown at left instructs to unplug the cable from the wall outlet) is shown in the circle.

Warning for Use



WARNING



- The set of power cables provided with this machine is for use with this machine only, and cannot be used with other electrical devices. Do not use any power cables other than the ones provided with the machine. Failure to observe those instructions may result in fire or electric shocks.
- Take care not to damage, break or work upon the power cable. If a heavy material is placed on the power cable, or if it is heated or pulled, the power cable can break, thus resulting in fire or electric shocks.
- Do not use this machine in an environment where humidity is high or the machine may get wet. Using the machine under such environment may result in fire or electric shock, or cause malfunction.
- Use of the machine under an abnormal condition where it produces smoke or strange smell can result in fire or electric shocks. If such an abnormality is found, be sure to turn off the power switch immediately and unplug the cable from the wall outlet. Check first that the machine no longer produces smoke, and then contact your distributor or a sales office of RICOH for repair.
- Never repair your machine by yourself since it is very dangerous for you to do so.
- Never disassemble or remodel the main unit of the machine or the ink cartridge. Disassembly or remodeling can result in an electric shock or breakdown of the machine.
- Take care that no dust or dirt sticks to Media Transfer Surface heaters. Dust and dirt sticking heaters can cause fire.
- Do not use extension cords. Doing so may result in fire or electric shocks.
- Keep the power plug prong clear of any foreign object such as a piece of metal. Failure to do so may result in a fire or electric shocks.
- Do not plug too many leads into a single socket. Doing so may result in fire or electric shocks.
- Do not use the machine if the power cord or plug is damaged. Using the machine with damaged power cord may result in fire or electric shocks. Contact your service representative for replacement cord.
- Do not handle the power plug with wet hands. Doing so may result in electric shocks.
- Grasp by holding the plug itself when removing the power plug from wall outlet, and never hold by the cord. Holding and pulling the cord may damage the cord, leading to fire or electric shocks.



Hazardous Moving Parts








- Keep Fingers and Other Body Parts Away
- If a foreign object such as a small piece of metal or a liquid such as water gets inside the machine, turn off the machine and unplug the power cord immediately, then consult your service representative. Continuing to use the machine without proper maintenance or repair may result in fire or electric shocks.



- Do not use a flammable spray or solvent inside or around the machine. Doing so may result in fire or electric shocks.
- Do not place a vase, flower pot, water glass, container with liquid such as water or chemicals inside, or small metallic object near or on top of this machine. Liquid or foreign object may get inside the machine, leading to fire or electric shocks.



CAUTION

Handling of the power cable		Power supply	
	<ul style="list-style-type: none">• Connect to a socket-outlet with determinate polarity.• For Inlet 1 and 2, be sure to supply power from the outlet of the same voltage.• for PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.• Unplug the cord from the wall outlet and remove dust from the power plug periodically, at least once a year. Failure to do so may result in fire or electric shocks.• Do not use the machine unless it is connected to a power supply that satisfies the displayed voltage condition.• Check the voltage of the wall outlet and the capacity of the circuit breaker before you plug the power cords. Plug each power cord to different outlet that has independent circuit breaker. If you plug more than one power cord to wall outlets that share the same circuit breaker, the power may be cut off by the breaker.		<ul style="list-style-type: none">• Leave the breaker turned ON.• Do not turn off the main power switch on the right side of this machine.
		Handling of ink	
	<ul style="list-style-type: none">• Do not spill liquid on the Media Transfer Surface as this may cause failure of the heater or firing.• Do not touch Media Transfer Surface heaters with bare hand while it is hot; otherwise, you can get burned.		<ul style="list-style-type: none">• Keep ink away from an open flame. Also keep the room well ventilated when you use or handle ink.• If you get ink in your eyes, immediately wash your eyes with a lot of clean water for at least 15 minutes. In doing so, also wash eyes to rinse ink away completely. Then, consult a doctor as soon as possible.• If anyone drinks ink by mistake, keep him or her quiet and see a doctor immediately. Do not allow him or her to swallow the vomit. After that, contact the Poison Control Center.• If you inhale a lot of vapor and feel bad, immediately move to a location of fresh air and then keep yourself warm and quiet. Then, consult a doctor as soon as possible.• Store ink cartridges in a place that is out of the reach of children.• Black and white cause serious eye irritation, suspected of damaging fertility or the unborn child, causes damage to the lungs through prolonged or repeated exposure. Please use protective equipment in order to avoid exposure to liquid.• Orange, green, cyan, magenta and yellow cause serious eye irritation, suspected of damaging fertility or the unborn child. Please use protective equipment in order to avoid exposure to liquid.
 	<ul style="list-style-type: none">• When cleaning the ink-station or the heads, make sure to wear the attached goggles and gloves.		
	<ul style="list-style-type: none">• Do not to touch the sharp edge of the blade when replacing the cutter. Touching the sharp edge may result in injury.• Turn off the machine and unplug the power cord from the wall outlet for safety when moving the machine.		

**CAUTION****Notes on Handling the Machine**

- Do not use the machine in a confined or poorly ventilated room.
- Keep the room well ventilated when using the machine.
- Do not use the machine under humid or dusty environment. Doing so may result in fire or electric shocks.
- Do not place the machine on unstable or inclined surface. The machine may fall or topple over and cause a damage or injury.
- There is a cutter inside the machine for cutting print media. Do not touch any other parts other than the ones described in this manual when loading or replacing paper, or removing jammed paper. Otherwise, it may cause an injury.
- Be careful not to get your fingers get caught inside the machine and injured when replacing print paper.
- The dust collected inside the machine may result in fire or cause malfunction. If the machine has not been cleaned for a long period of time, contact your service representative for cleaning the machine. For the cleaning charge, consult your sales or service representative.
- Consult our service office in your area before moving this machine.

CAUTIONS and NOTES



Warning


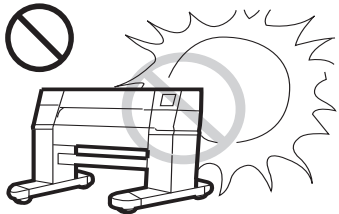


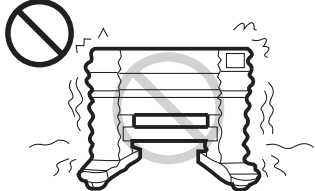
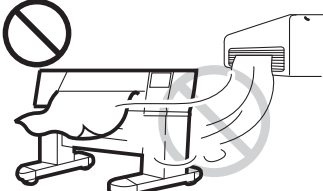
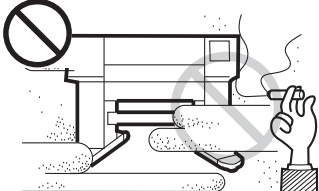
Handling of ink cartridges	Front cover and lever
<ul style="list-style-type: none"> • The safety evaluation of this machine assumes that the ink recommended by this company is used. For safe usage of this machine, use the ink recommend by this company • Never refill the ink pack and white ink cartridge with ink. Refilled ink cartridge can cause a trouble. Remember that RICOH assumes no responsibility for any damage caused by the use of the ink cartridge replenished with ink. • If the ink cartridge is moved from a cold place to a warm place, leave it in the room temperature for three hours or more before using it. • Open the ink cartridge just before installing it in the machine. If it is opened and left for an extended period of time, normal printing performance of the machine may not be ensured. • Make sure to store ink cartridges in a cool and dark place. • Store ink cartridges and waste ink bottle in a place that is out of the reach of children. • Be sure to thoroughly consume the ink in the ink cartridge, once it is opened, within three months. If an extended period of time has passed away after opening the cartridge tank, printing quality would be poor. • Neither pound the Eco-cartridge nor shake it violently, as doing so can cause leakage of ink. • Do not touch or stain the contacts of the ink cartridge, as doing so may cause damage to the print circuit board. • Consult your sales or service representative for proper disposal of ink cartridge, ink pack, and waste ink. Otherwise, commission an industrial waste disposal company. 	<ul style="list-style-type: none"> • Never open the front cover or raise the lever during printing. Opening the cover or raising the lever will abort printing.
	Handling of media
	<ul style="list-style-type: none"> • Use media recommended by RICOH to ensure reliable, high-quality printing. • Set the heater temperature to meet the characteristics of the media. Set the temperature of the Pre-heater, Print heater and Post-heater according to the type and characteristics of the media used. Automatic temperature setting can be made on the operation panel by setting the profile on the dedicated RIP. For setting on the RIP, refer to the instruction manual for your RIP. • Pay attention to the expansion and contraction of the media. Do not use media immediately after unpacking. The media can be affected by the room temperature and humidity, and thus it may expand and contract. The media have to be left in the atmosphere in which they are to be used for 30 minutes or more after unpacked. • Do not use curled media. The use of curled media can not only cause a media jam but also affect print quality. Straighten the sheet of media, if significantly curled, before using it for printing. If a regular-sized coated sheet of media is rolled and stored, the coated side has to face outside. • Do not leave the media with the heater ON for a long time.
	Protection of media from dust
	<ul style="list-style-type: none"> • Store media in a bag. Wiping off dust accumulated on media will adversely affect the media due to static electricity. • When leaving the workshop after the working hours, do not leave any media on the roll hanger. If any media is left on the roll hanger, it can get dusty.



Warning

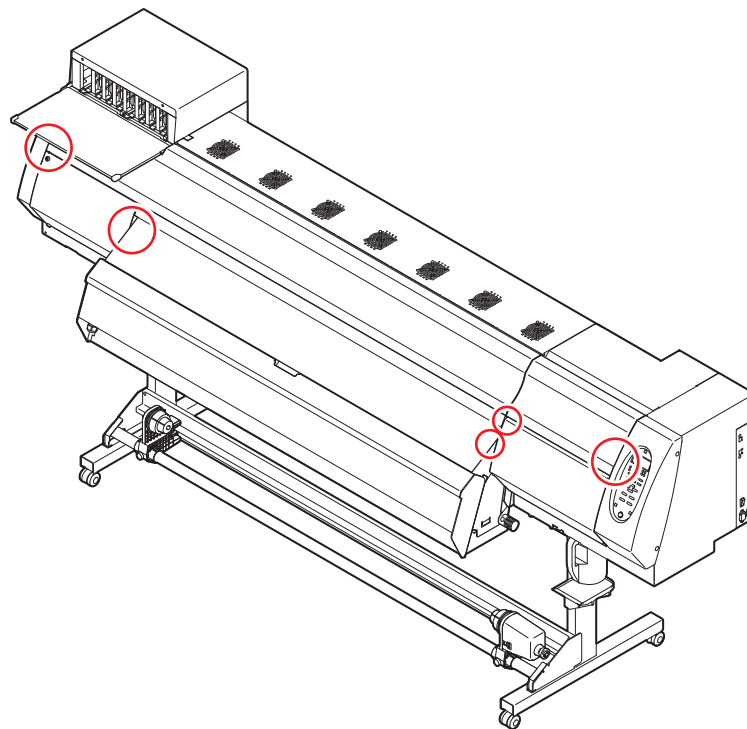
Notes on maintenance
<ul style="list-style-type: none"> • It is strongly recommended to use the machine in a room that is not dusty. • Keep the front cover closed even when the machine is not printing. If not, dust can accumulate on the nozzles in the heads. • Dust in the heads can also cause drops of ink to fall suddenly down on the media during printing. In such a case, be sure to clean up the heads. • When cleaning the ink-station or the heads, make sure to wear the attached gloves. • Perform wiping (removal of dust and paper powder) of the capping station and wiper frequently.
Periodic replacement parts
<ul style="list-style-type: none"> • Some parts of this machine must be replaced with a new one periodically by service personnel. Be sure to make a contract with your distributor or dealer for After sale service to ensure a long life of your machine.
Disposition of this machine
<ul style="list-style-type: none"> • Consult your sales or service representative for proper disposal of this machine. Otherwise, commission an industrial waste disposal company.

Cautions on Installation

 CAUTION		
A place exposed to direct sunlight	On an inclined surface	A place where temperature or humidity varies significantly
		 <ul style="list-style-type: none"> • Use the machine under the following environmental conditions: • Operating environment: 20 to 30 °C (68 to 95 °F) 35 to 65 % (Rh)
A place that vibrates	A place exposed to direct air flow from an air conditioner or the like.	Around a place where fire is used
		

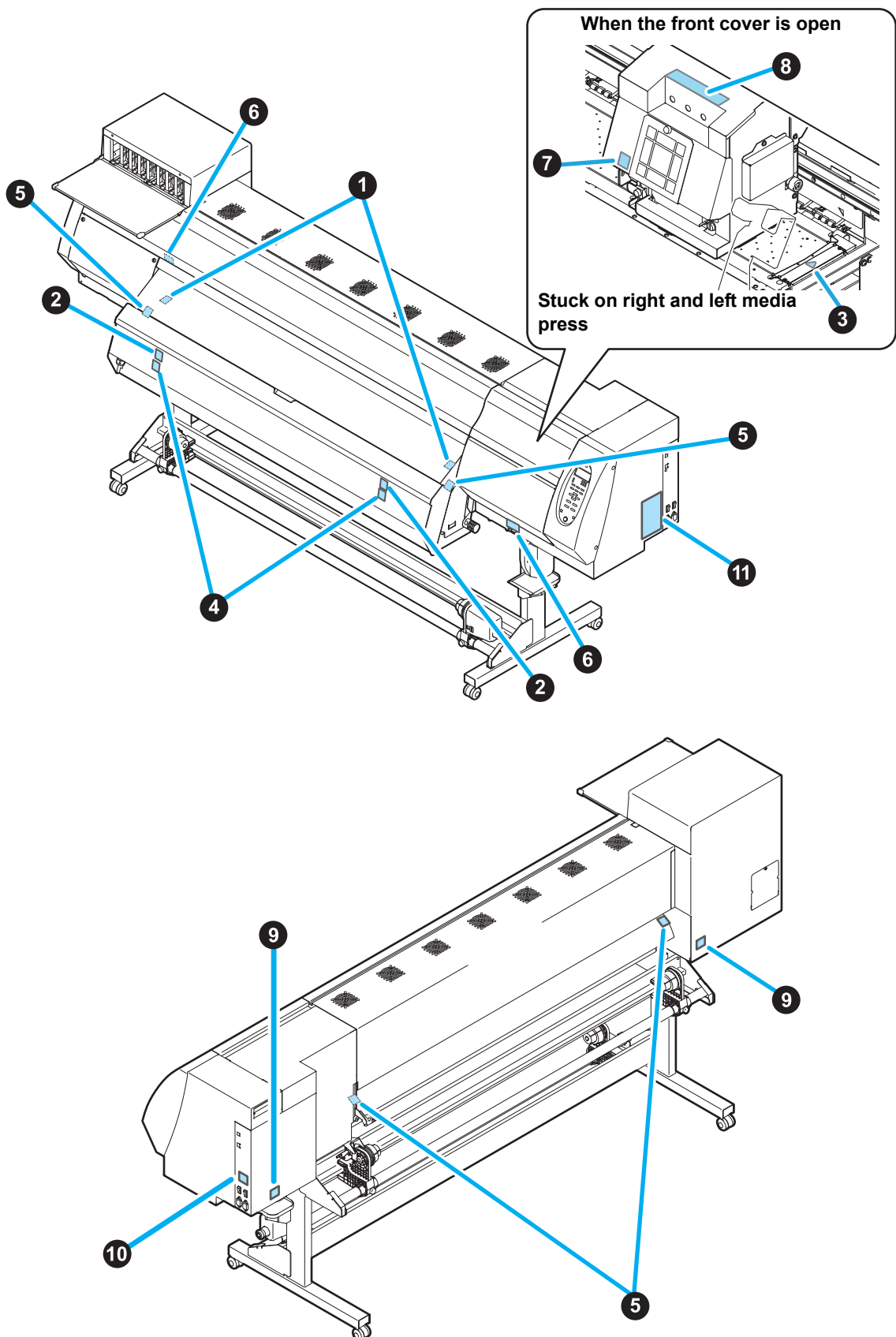
Safety interlock











This machine is equipped with interlocks to terminate the operation for your safety when the cover opens during printing etc. (red circle parts in the figure below).



Warning labels

Warning labels are stuck on the machine. Be sure to fully understand the warning given on the labels.



No.		
1		Always follow the procedure described in this manual when loading and replacing paper, removing jammed paper, cleaning the media transfer surface, and performing any other operations inside the machine. Otherwise, the carriage may hit or catch your hand and cause injury.
2 5	2  3  4  5 	There are hot surfaces inside the machine. Do not touch any parts other than the ones described in this manual when removing jammed paper. Otherwise, burn injury may result.
6		Always wear the goggle and gloves provided with this machine to prevent your skin to come in contact with the cleaning fluid when cleaning the ink station and print head.
7 8	7  8 	There is a cutter inside the machine for cutting print media. Do not touch any parts other than the ones described in this manual when loading and replacing paper, removing jammed paper, and cleaning the media transfer surface.
9 10	9  10  <ul style="list-style-type: none">•Ensure that all plugs are disconnected before conducting any maintenance.•Vor dem Beginn von Wartungsarbeiten sicherstellen, dass alle Stecker gezogen wurden.	Electrical power is supplied to this machine via multiple power cables. To completely disconnect all supply of power to the machine, all power cables must be disconnected..
	(Pro L4130)	(Pro L4160)
11	