

# Safety Precautions

INKJET PRINTER  
**UJ330H-160**

## Safety Precautions

You can also download the latest manual from official website.

MIMAKI ENGINEERING CO., LTD.

<https://mimaki.com/>

D203900-10  
Original instructions

# TABLE OF CONTENTS

---

Introduction .....	3
To Ensure Safe Use .....	4
Symbols .....	4
Prohibited Dangerous Actions .....	5
Usage Restrictions.....	7
Connecting the Power .....	9
Notes on Handling Ink or any Other Liquid Used with the Machine .....	10
Installation Precautions.....	12
Installation Space .....	13

# Introduction

Thank you for purchasing the Inkjet printer UJ330H-160.

Read the Request for Care and Maintenance ("this document" hereinafter) thoroughly and make sure you understand its contents to ensure safe and correct use of the product.

Please note that the illustrations contained in this manual are intended to show functions, procedures, or operations and may sometimes differ slightly from the actual machine.

Unauthorized reproduction of any portion of this document is strictly prohibited.

© 2026 MIMAKI ENGINEERING Co., Ltd.










## ● DISCLAIMERS

- MIMAKI ENGINEERING REJECTS ALL LIABILITY FOR DAMAGE ARISING DIRECTLY OR INDIRECTLY FROM THE USE OF THE UJ330H-160 ("THIS MACHINE" HEREINAFTER), WHETHER OR NOT THE PRODUCT IS FAULTY.
- MIMAKI ENGINEERING REJECTS ALL LIABILITY FOR DAMAGE, DIRECT OR INDIRECT, TO MATERIALS CREATED WHILE USING THIS MACHINE.
- USING THIS MACHINE IN CONJUNCTION WITH DEVICES OTHER THAN THOSE RECOMMENDED BY MIMAKI ENGINEERING MAY RESULT IN FIRE OR ACCIDENTS. SUCH INCIDENTS ARE NOT COVERED BY THE PRODUCT WARRANTY. MIMAKI ENGINEERING REJECTS ALL LIABILITY FOR DAMAGE, DIRECT OR INDIRECT, ARISING FROM SUCH INCIDENTS.
- USE ONLY GENUINE MIMAKI ENGINEERING INK AND MAINTENANCE LIQUID. USE OF OTHER PRODUCTS MAY RESULT IN FAILURES OR REDUCE PRINT QUALITY. SUCH INCIDENTS ARE NOT COVERED BY THE PRODUCT WARRANTY. MIMAKI ENGINEERING REJECTS ALL LIABILITY FOR DAMAGE, DIRECT OR INDIRECT, ARISING FROM SUCH INCIDENTS.
- DO NOT ATTEMPT TO REFILL THE INK BOTTLES WITH UNAUTHORIZED INK. SUCH INCIDENTS ARE NOT COVERED BY THE PRODUCT WARRANTY. MIMAKI ENGINEERING REJECTS ALL LIABILITY FOR DAMAGE, DIRECT OR INDIRECT, ARISING FROM SUCH INCIDENTS.
- AVOID USING UV-LED UNITS OR UV POWER SUPPLY UNITS OTHER THAN THOSE SPECIFIED BY MIMAKI ENGINEERING. USING DEVICES OTHER THAN GENUINE MIMAKI ENGINEERING DEVICES MAY RESULT IN FAILURE, ELECTRIC SHOCK, OR FIRE. SUCH INCIDENTS ARE NOT COVERED BY THE PRODUCT WARRANTY. MIMAKI ENGINEERING REJECTS ALL LIABILITY FOR DAMAGE, DIRECT OR INDIRECT, ARISING FROM SUCH INCIDENTS.

# To Ensure Safe Use

## Symbols

In this manual, symbols indicate and explain precautions. Make sure you fully understand the meaning of each symbol and use the machine safely and correctly.

Explanation		
 <b>WARNING</b>	Warning	Indicates a potential hazard that may result in death or serious injury if handled improperly or if instructions are disregarded.
 <b>CAUTION</b>	Caution	Indicates a potential hazard that may result in minor or moderate injury if handled improperly or if instructions are disregarded.
 <b>NOTICE</b>	Notice	Indicates a potential hazard that may result in property damage if handled improperly or if instructions are disregarded.
	Warning sign	Indicates something that requires attention. Warning specifics are drawn inside the symbol.
	Mandatory action sign	Indicates an action that must be carried out. The specifics of the mandatory action are drawn inside the symbol.
	Prohibition sign	Indicates a prohibited action. The specifics of the prohibited action are drawn inside the symbol.
 <b>Important!</b>	Important	Indicates important information related to use of this machine.
	Tip	Indicates useful reference information.
	Reference information	Indicates the corresponding page for related information.

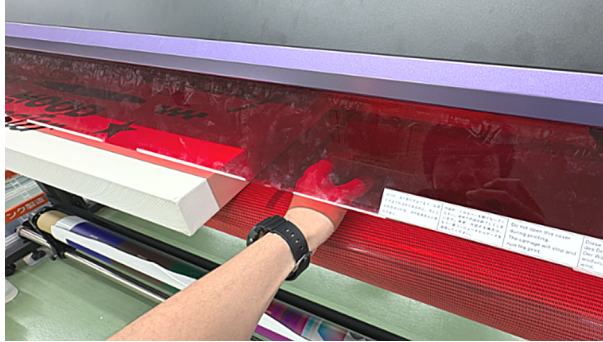
## Prohibited Dangerous Actions

The following actions are dangerous and must never be performed when the power is on.

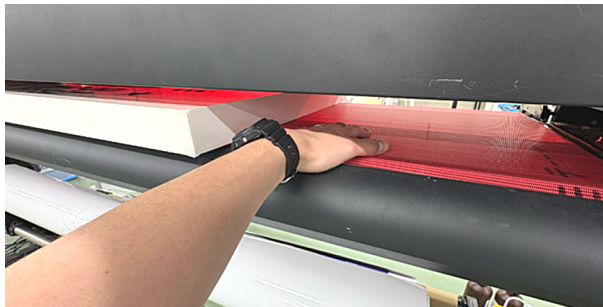
- **Do not insert your hands into the printer when the carriage is operating, such as during printing.**



- Do not insert your hands or other parts of the body into the printer from under the front cover.



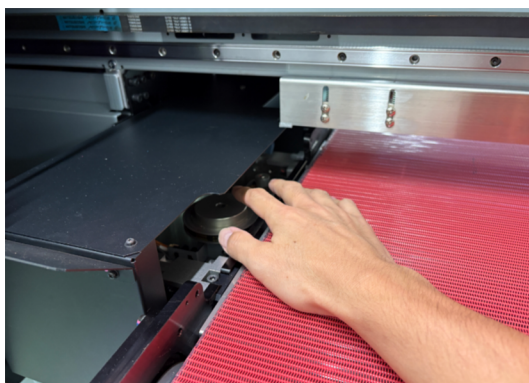
- Do not insert your hands or other parts of the body into the printer from the rear. Note that a large gap will be left open particularly when thick media is loaded. There is a risk of serious injury if hit by the carriage or head.



- **Keep hands and other parts of the body away from moving parts.**



- Ignoring this may result in machine failure or injury.
- Also take sufficient care to prevent objects from falling.



- **Do not insert your hands or other parts of the body under the media feeding belt, or place objects under it.**



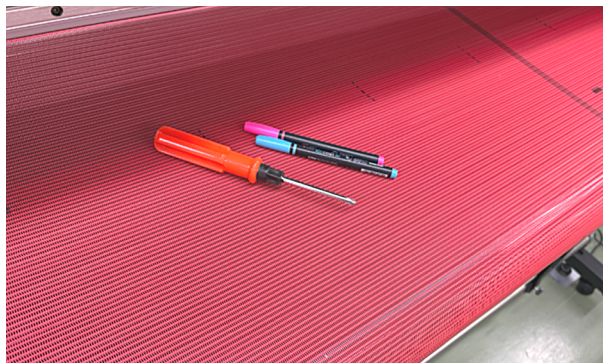
- There is a danger of becoming trapped between the main unit frames when the media feeding belt rises or lowers.



- **Do not leave objects on top of the media feeding belt.**



- There is a risk of collision with the head if the carriage moves unexpectedly.



- **Do not look directly at the UV-LED.**



- Do not look directly at the UV-LED. Take particular care when working while sitting in a chair, as your head will be at the same height as the carriage.

- **Do not obstruct the movement of the carriage.**



- Do not touch the carriage while it is in operation (such as printing or cleaning).

## Usage Restrictions

### Usage Restrictions

#### ⚠ WARNING



- The machine is extremely dangerous, as the carriage moves at high speed from side to side, and it contains high-temperature parts, parts with hazardous voltages, and UV-LEDs. The machine must only be used by persons who are fully aware of these hazards.

### Operator Restrictions

#### ⚠ WARNING



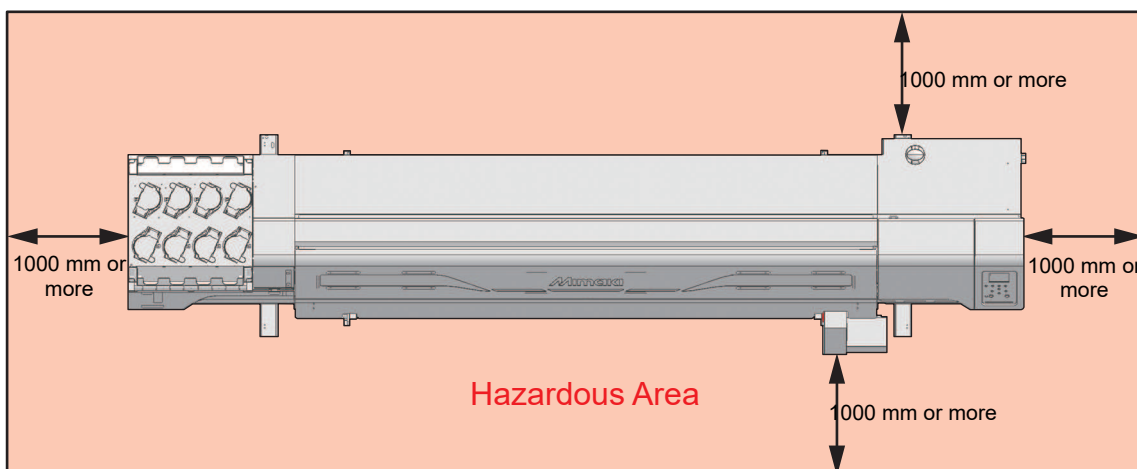
- The machine must only be operated by persons who have received Mimaki safety training or who have been trained by them.

### Area Restrictions

#### ⚠ WARNING



- Entry into the restricted area must be prohibited for anyone other than those who have received Mimaki risk assessment training or who have been trained by them. Trained personnel entering the restricted area must always wear UV safety glasses and protective gloves.



- Physically separate the machine, for example, by placing in a special room or in an area surrounded by a safety fence. It must be clear that this is a hazardous area.
  - (1) Any special room provided should incorporate a door that can be locked or has a safety interlock
  - (2) Any safety fences used must conform to the EN ISO 13857 standards.

## ● Information on ultraviolet light (UV) and handling the UV-LED unit inside the restricted area

### **WARNING**



- Do not place combustibles under the UV-LED unit, and do not cover it with paper or cloth. There is a risk of fire or burns.
- Small amounts of ultraviolet light may leak from the UV-LED unit. Wear UV safety glasses, Interface shields, masks, gloves, and long-sleeved clothing to protect the eyes and skin from ultraviolet light.
  - (1) Exposure to ultraviolet light may result in skin inflammation. Even if no inflammation occurs, extended or repeated exposure may lead to chronic problems.
    - Acute problems: Inflammation
    - Chronic problems: Skin cancer, wrinkles, blotches
  - (2) Looking directly at the lamp while the lamp is on may result in eye pain or damage to eyesight. Even if no eye pain occurs, extended or repeated exposure may lead to chronic problems.
    - Acute problems: Ultraviolet keratitis, conjunctivitis, discomfort, pain, watery eyes
    - Chronic problems: Pterygium, cataracts



- Be sure to use the UV safety glasses provided. May cause eye pain and vision problems.



- Always wear gloves and long-sleeved clothing. There is a risk of skin inflammation or skin damage due to ultraviolet (UV) radiation.

### **CAUTION**



- The UV-LED unit becomes extremely hot. Be careful not to touch the LED after it has been turned off until it has sufficiently cooled.



- Do not expose the skin or eyes directly or indirectly to light from the UV-LED unit. The UV-LED unit emits ultraviolet (UV) light. Skin or eye exposure may result in inflammation.

### **NOTICE**



- Avoid scratching or subjecting the UV-LED unit to excessive force. Disregarding this precaution may result in deformation or failure of the unit.
- Avoid touching the glass on the underside of the UV-LED unit with bare hands. Disregarding this precaution may impair UV ink curing. If the glass becomes dirty, wipe clean using a soft, clean cloth soaked with ethanol. Be careful to keep ethanol from splashing on the covers or other parts while cleaning. Disregarding this precaution may result in deformation or failure of the unit.

# Connecting the Power

---



- Plug the power cable plug into a grounded power outlet. Otherwise there is a risk of failure, electric shock, or fire.
  - When installing electrical outlets, perform grounding work to prevent electric shock. All electrical work (Class C grounding work; formerly Type 3 grounding work) must be handled by a licensed electrician.
- 



- Make sure the connections are correct. Incorrect connections may result in damage to the equipment.
  - Be careful to avoid problems in wiring configuration.
-

# Notes on Handling Ink or any Other Liquid Used with the Machine

Precautions regarding ink, maintenance liquid, or other liquids used with this machine are included with the containers. Thoroughly read them and make sure you understand the contents.



- Be sure to read the safety data sheet (SDS) before use. <https://mimaki.com/supply/sds/>

## CAUTION



- Pay close attention to ventilation and be sure to wear safety glasses, gloves, and a mask when handling ink, maintenance liquid, waste ink, or other solutions used with the machine. Leaking ink may adhere to the skin or get into the eyes or mouth.



- Do not subject cases containing ink to strong shock or violent shaking. Do not attempt to refill the ink. Leaking ink may adhere to the skin or get into your eyes or mouth.



- Do not disassemble cases containing ink. Leaking ink may adhere to the skin or get into your eyes or mouth.



- Do not store ink, maintenance liquid, or other liquids used with the machine in locations where children may enter.



- When disposing of ink, maintenance liquid or other liquid used with the product, or containers or non-woven fabric contaminated with ink or other liquid, contact an industrial waste disposal operator or dispose of the product in accordance with the local laws and regulations.

## NOTICE



- Do not store ink, maintenance liquid, or other liquids used with the machine in locations exposed to direct sunlight.
- Do not store ink, maintenance liquid, or other liquids used with the machine in environments where cutting fluid or other volatile substances (such as amines or modified amine alcohol) are present in significant quantities. Storage in such places increases the risk of failure or ejection failures (e.g., nozzle clogging or deflection).
- Do not use ink, maintenance liquid, or other liquids used with this machine with other printers. Doing so may cause failure.



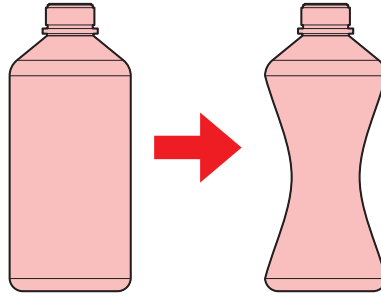
- Be sure to store them in a low place no higher than 1 m above the floor. Otherwise there is a risk of scattering if the containers fall.
- Store in tightly sealed containers.
- Store in a cool, dark place.
  - (1) Store ink in a place where ink does not freeze. Using defrosted ink may deteriorate ink constituents and reduce print quality.
  - (2) When ink is moved from a cold place to a warm place, leave it in the environment where the machine is installed for at least three hours before using it.
  - (3) Open the container just before installing it, and use it up as quickly as possible. If it is opened and left for an extended period of time, print quality may be reduced.



- Do not touch the metal parts of the ink IC chip. Static electricity may damage the ink IC chip, and dirt or damage may cause the ink IC chip read error.



- Printing is not possible when different types of ink IC chips are used.
- If the ink bottle mounted on the machine is dented, it may still be used.



# Installation Precautions

## ⚠ WARNING



- Adhesive and releasing agents may contain flammable constituents such as thinner. This machine is not explosion proof. There is a risk of explosions.



- Do not install the machine in a place close to fire.
- Do not place flower vases, pots, cups, containers containing cosmetics, chemicals or water, or small metal items on or close to the machine. If they enter the machine, there is a risk of failure, electric shock, or fire.



- Do not install this machine in humid locations or locations where it may be exposed to splashing water. Otherwise there is a risk of failure, electric shock, or fire.



- Do not install the machine in a place where children may enter.



- When disabling safety functions (such as interlocks) during installation or maintenance, be sure to check and follow all warning instructions described in each procedure beforehand. Improper handling may result in serious personal injury.

## ⚠ CAUTION



- A ventilation system must be provided if the machine is installed in a poorly ventilated area or sealed room.
- Be sure to observe the following points regarding exhaust port installation:
  - (1) Exhaust port installation must conform to local environmental, health, and safety (EHS) guidelines.
  - (2) If the exhaust port is fitted with a shutoff valve, the valve must be open when the machine is in use.

## NOTICE



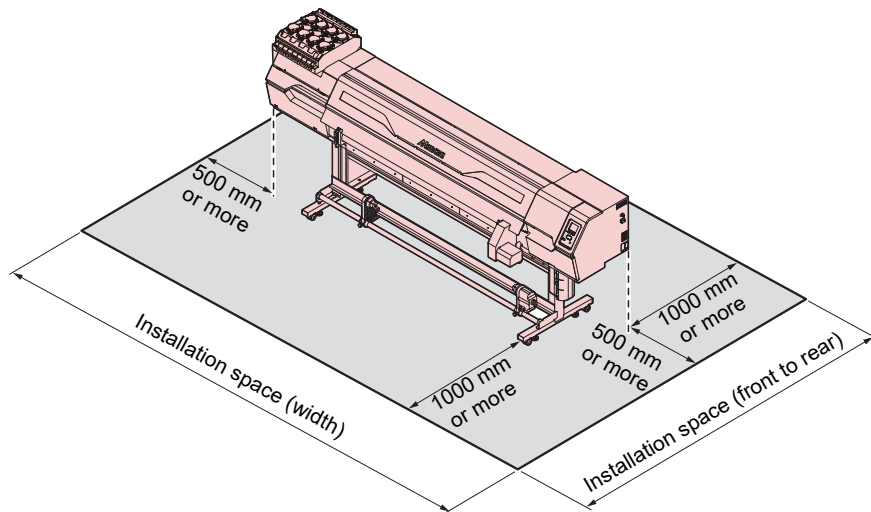
- Do not install the machine in a dusty location. Dust ingress inside the machine increases the risk of failure or ejection failures (e.g., nozzle clogging or deflection).
- Do not install the machine where it is exposed to drafts, such as near an air conditioner. This increases the risk of dust ingress inside the machine.
- Do not install the machine in unstable locations or locations subject to vibration. This increases the risk of failure or ejection failures (such as nozzle clogging or deflection).
- Do not install the machine in a location subject to direct sunlight.
- Do not install the machine in a location subject to extreme temperature fluctuations. This increases the risk of failure or ejection failures (such as nozzle clogging or deflection).
- Do not install the machine in a location where large equipment generating noise is situated.
- Do not install the machine in locations where photographic fixing agent vapors, acid fumes (such as acetic acid or hydrochloric acid), cutting fluid, or other volatile substances (such as amines or modified amine alcohol) are present. Installing in such environments increases the risk of ink solidifying on the print head surface, causing failure or ejection failures (e.g., nozzle clogging or deflection).



- Operating environment: 20 to 30 °C (68 to 86 °F), 35 to 65 %RH (no condensation)
- Temperature range in which accuracy is guaranteed: 20 to 25 °C (68 to 77 °F)

## Installation Space

Provide the following space around the machine to allow safe and proper replacement of ink and media:



Item	UJ330H-160
Width <sup>*1</sup>	At least 4,225 mm (3,225 mm)
Depth <sup>*1</sup>	At least 2,785 mm (785 mm)
Height <sup>*1,*2</sup>	(1,420 mm)
Weight	386 kg

\*1. The figures in parentheses indicate machine dimensions.

\*2. Excluding the Ink bottle height



## **Safety precautions**

---

---

April, 2026

MIMAKI ENGINEERING CO.,LTD.

2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN

---

---

D203900-10-01042026

