INSTALLATION & SETUP GUIDE

# Aries 213




DTF STATION

www.dtfstationglobal.com

BEFORE YOU BEGIN

*INSTALLATION & SETUP GUIDE*

**Thank you for purchasing this product.**

To ensure correct and safe operation of the system and to fully understand its features, requirements, and limitations, please read this manual completely before installing, configuring, or operating the equipment.

This manual is provided to help users operate the product correctly and safely. Please retain it for future reference.

Product specifications and the information contained in this manual are subject to change without notice.

If you identify any errors, omissions, or unclear information, contact your authorized representative for clarification.

The manufacturer shall not be liable for any direct, indirect, incidental, or consequential damages arising from the use of this product.

The manufacturer assumes no liability for any direct or indirect loss or damage resulting from items, materials, or output produced using this product.

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# 1. Pre-Installation Check

## 1.1 Documentation Overview

The following documentation is provided with this machine:

**PRINTED DOCUMENTS**

| DOCUMENT | DESCRIPTION |
|---|---|
| Accessories List | Identifies the supplied accessories, including included items, fasteners, and related components. |
| Stand Assembly Guide (this document) | Provides instructions and safety precautions for assembling the stand. |
| User's Manual | Describes machine functions, operating procedures, and important operational considerations. |
| Safety Instructions | Contains mandatory safety information that must be observed when using the machine. |

## 1.2 Installation and Placement

Installation and placement of this machine must be performed by trained and qualified personnel.

**WARNING**

Transportation, unloading, and installation must be carried out by trained and qualified personnel only.

Proper handling requires appropriate equipment and technical expertise. Failure to use suitable equipment or qualified personnel may result in serious injury, property damage, or major accidents.

## 1.3 Installation Location Precautions

Install the machine in a stable, vibration-free environment suitable for reliable operation.

Installing the machine in an unsuitable location may result in accidents, fire hazards, operational malfunction, or equipment damage.

**WARNING**

Install the machine on a level, stable surface capable of supporting its full weight.

The total weight of the machine may reach 170 kg or more. Failure to install the machine on an appropriate surface may result in serious accidents, including tipping, falling, or structural collapse.

**WARNING**

Install the machine so that the power plug remains easily accessible at all times.

In the event of an emergency, the power plug must be disconnected quickly. Position the machine near a suitable power outlet and maintain sufficient clearance.

**WARNING**

Install the machine in a clean, well-lit environment suitable for safe operation.

Working in a dark, obstructed, or cluttered area may result in accidents, including tripping hazards or becoming caught in moving components.

**WARNING**

Do not install the machine near flammable materials or in areas where combustible gases may be present.

Failure to comply may result in fire or explosion.

**WARNING**

Ensure that the work area is adequately ventilated in accordance with applicable environmental, health, and safety requirements.

Insufficient ventilation may result in health hazards or increased fire risk due to the accumulation of ink vapors.

#### UNSUITABLE INSTALLATION LOCATIONS

Do not install the machine in any of the following environments:

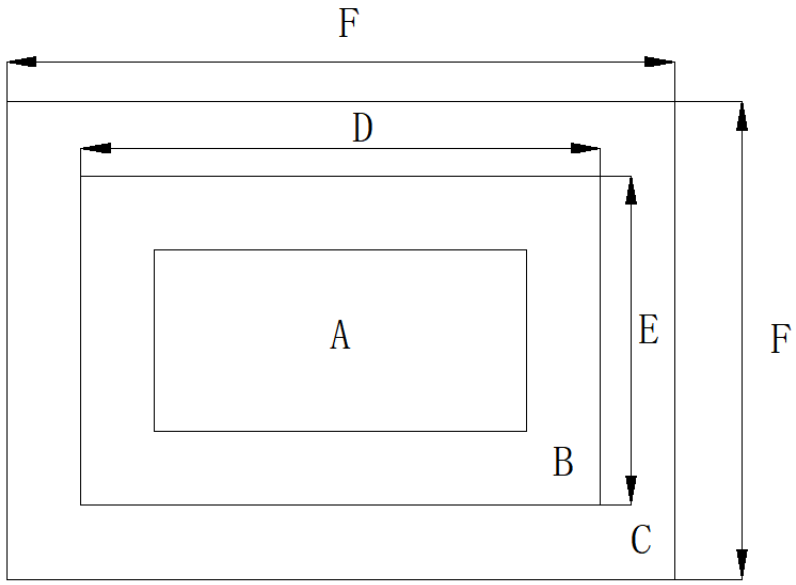
- Areas subject to significant temperature or humidity fluctuations
- Locations exposed to vibration or mechanical shock
- Sloped, uneven, or structurally unstable flooring
- Dusty or contaminated environments
- Areas exposed to direct sunlight
- Locations near air conditioners, heaters, or other heat sources
- Areas exposed to water, moisture, or strong airflow
- Locations subject to electrical noise, magnetic interference, or electromagnetic disturbance

## 1.4 Temperature and Humidity

Maintain the specified temperature and humidity conditions at all times, even when the machine is not in operation.

| CONDITION | TEMPERATURE | HUMIDITY |
|---|---|---|
| During Operation | 20 to 28 °C (68 to 82 °F) | 40 to 60% RH (no condensation) |
| When Not in Operation | 5 to 40 °C (41 to 104 °F) | 20 to 80% RH (no condensation) |

## 1.5 Installation and Working Space

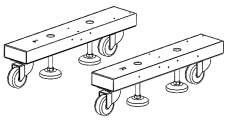



The space shown below is required for installing and operating this machine.

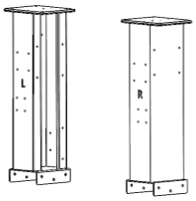
| REFERENCE | DIMENSION | VALUE |
|---|---|---|
| A: Equipment Size | Length | 1,266 mm |
| | Width | 905 mm |
| | Height | 1,145 mm |
| B: Recommended Installation Space | Length | 2,266 mm |
| | Width | 1,905 mm |
| C: Recommended Operating Space | Length | 3,266 mm |
| | Width | 2,905 mm |

# 2. Checking the Supplied Items

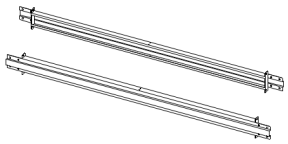
### STAND COMPONENTS



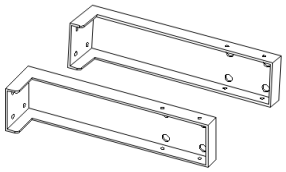
Support Leg Base



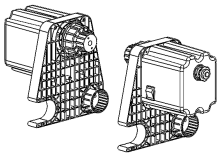

Support Leg



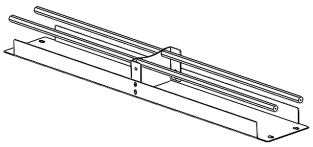
Support Leg Reinforcement Plate



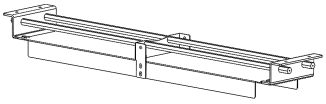
Take-Up Reel Bracket x2



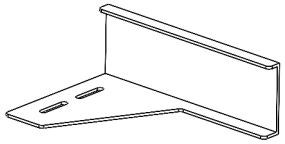
Dual-Motor Take-Up Reel



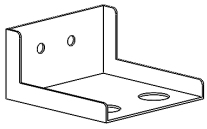
Front Take-Up Reel Bracket Reinforcement Plate



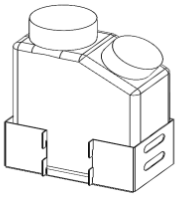
Rear Take-Up Reel Bracket Reinforcement Plate



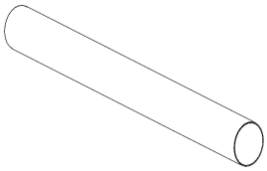
Center Positioning Plate



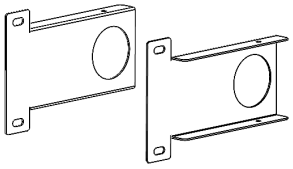
Media Sensor Bracket



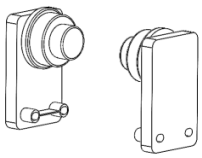
Waste Ink Bottle Holder



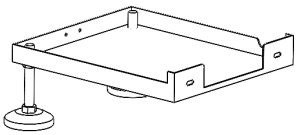
Film Tension Bar



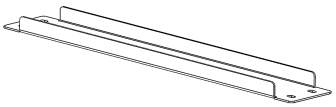
Film Tension Bar Fixing Plate



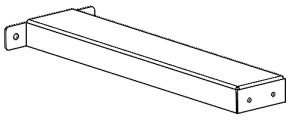
Non-Motor Media Holder



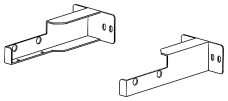
Fume Extractor Holder



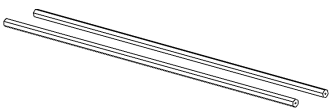
Fume Extractor Holder Reinforcement Plate 2



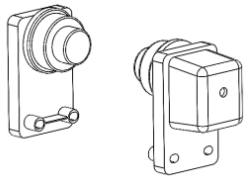
Fume Extractor Holder Reinforcement Plate 1



Take-Up Reel Bracket x2

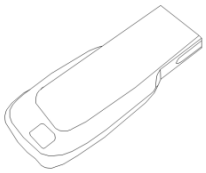


Take-Up Reel Support Bar x2

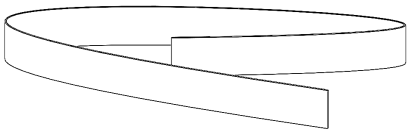


Single-Motor Take-Up Unit

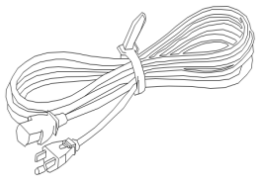
## ACCESSORIES BOX



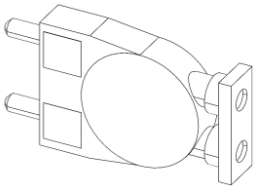
USB Flash Drive



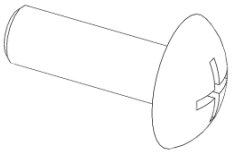
Print Head Cable



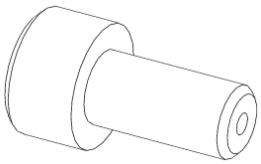
Power Cord



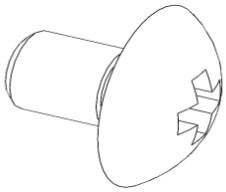
Damper



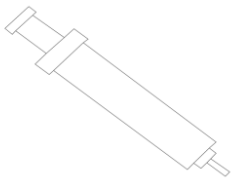
Print Head Screw M3×10



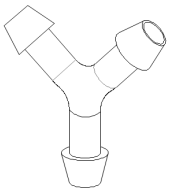
Hex Socket Screw 5×10



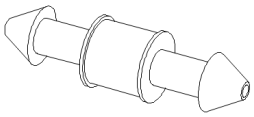
Large Flat Head Screw 4×6



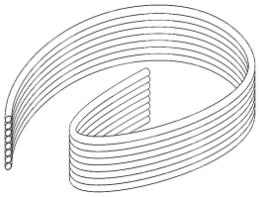
Syringe



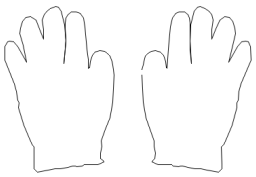
Ink Connector - Y-Shape



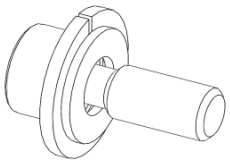
Ink Connector - Straight



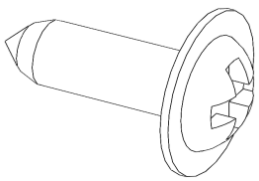
Ink Tube



Gloves



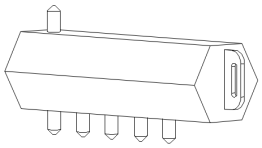
Hex Socket Screw M6×16



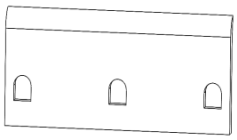
Screw with Washer M3×8



Waterproof Tape



Ink Reservoir



Wiper Blade

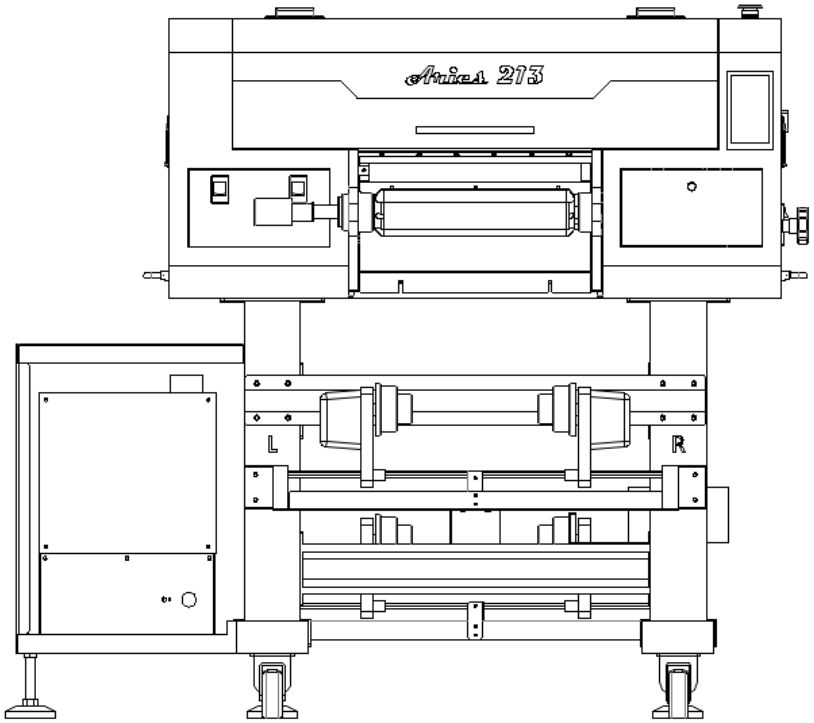
# 3. Assembly and Ink Filling

**WARNING**

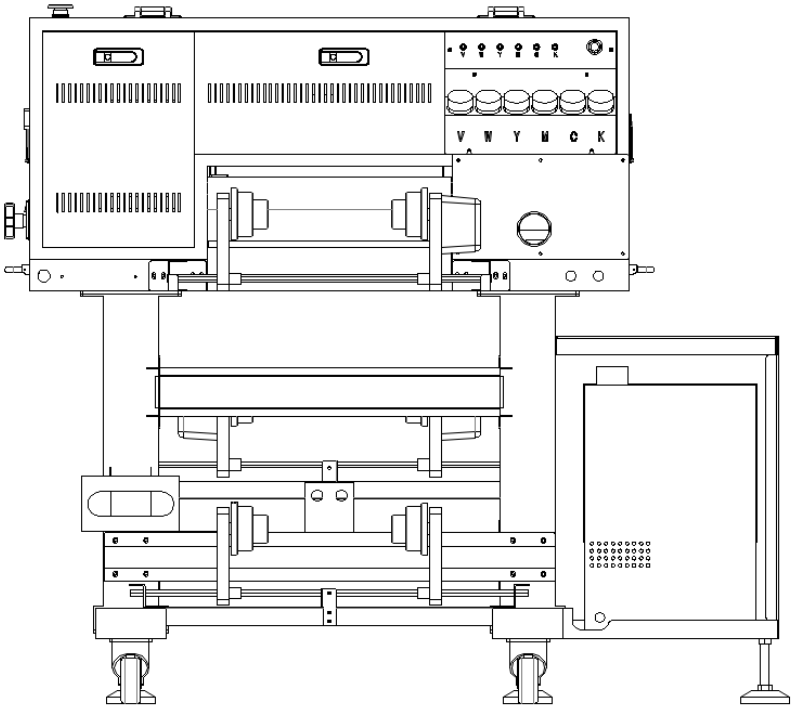
Unloading and installation must be performed by 2 to 4 or more people.

These tasks require coordinated effort by all personnel. If the machine or components are dropped, serious personal injury may result.

Front



Rear

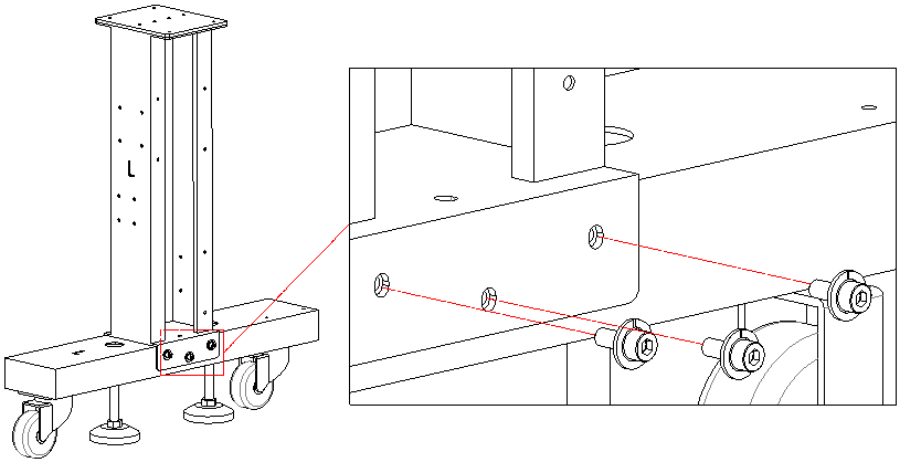



## Step 1: Stand Assembly

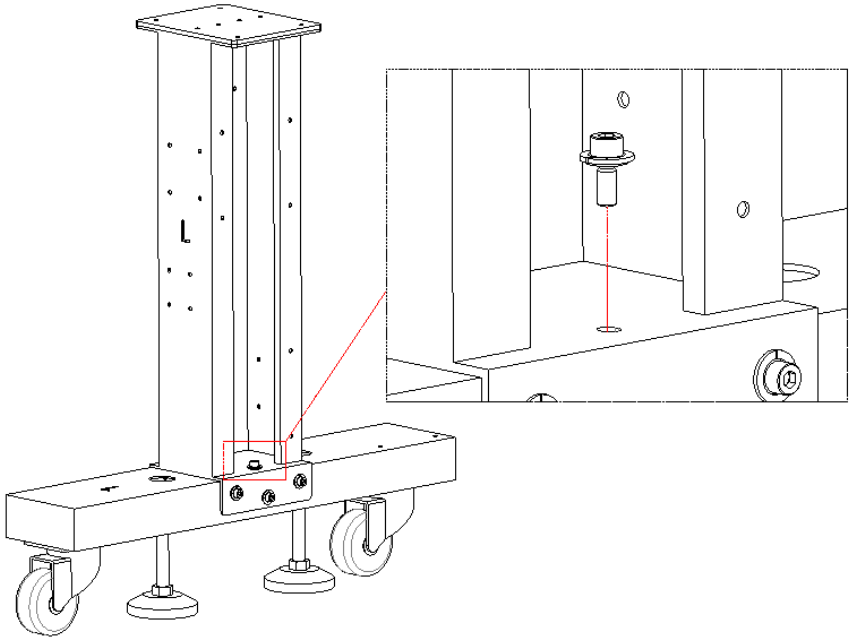
Procedure

### 1. INSTALLING THE SUPPORT LEGS

- Secure the support leg fixing plates to the left and right sides of the support leg using M6×16 hex socket screws. Do not fully tighten the screws at this stage.




- Secure the support leg to the base with M6×16 hex socket screws, then tighten all screws fully.

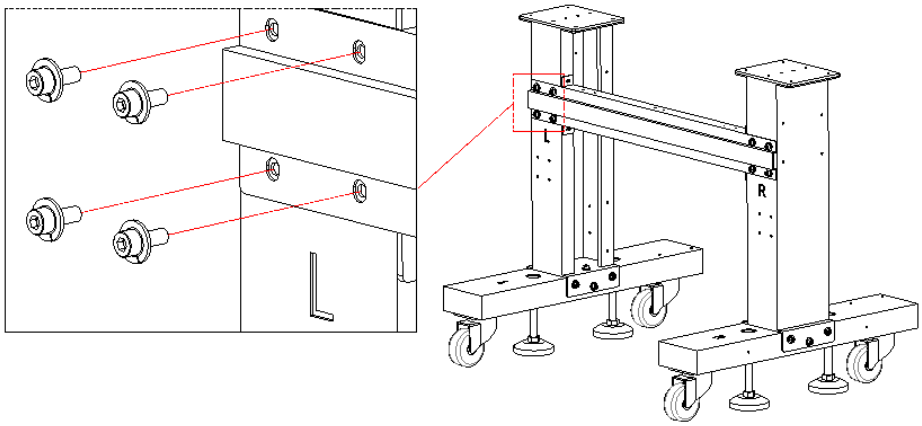



### 2. INSTALLING THE RIGHT SUPPORT LEG

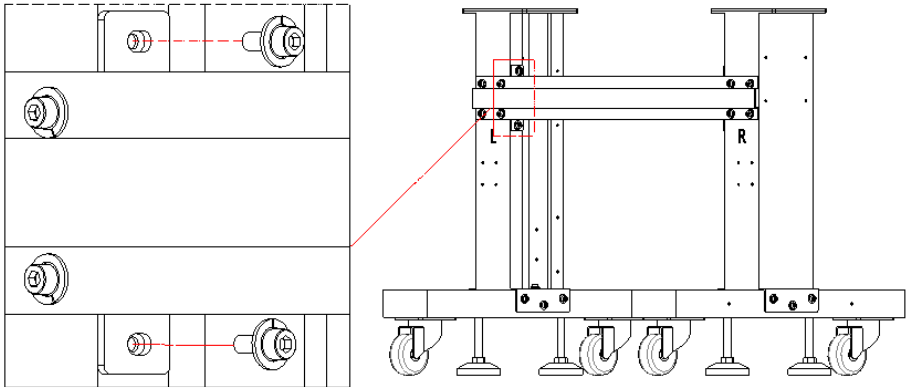
Repeat Step 1 to install the right support leg.

### 3. INSTALLING THE SUPPORT LEG REINFORCEMENT PLATE

- Secure the reinforcement plate using M6×16 hex socket screws. Do not fully tighten the screws yet.




- Secure the side of the reinforcement plate with M6×16 hex socket screws, then tighten all screws fully.



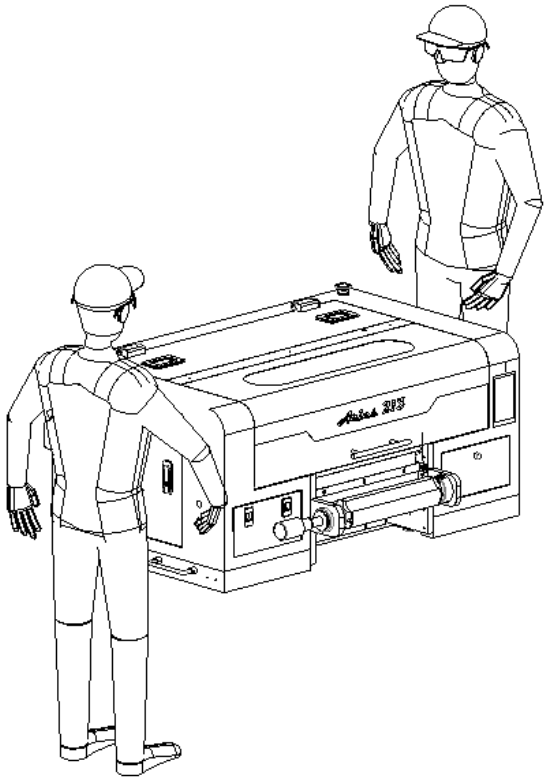

- Make sure the side of the reinforcement plate is **parallel to the support leg**.
- Ensure the reinforcement plate is **fully flush with the support leg with no gaps**.
- Any gap may affect the installation of the printer body afterward.

### 4. INSTALLING THE REAR SUPPORT LEG REINFORCEMENT PLATE

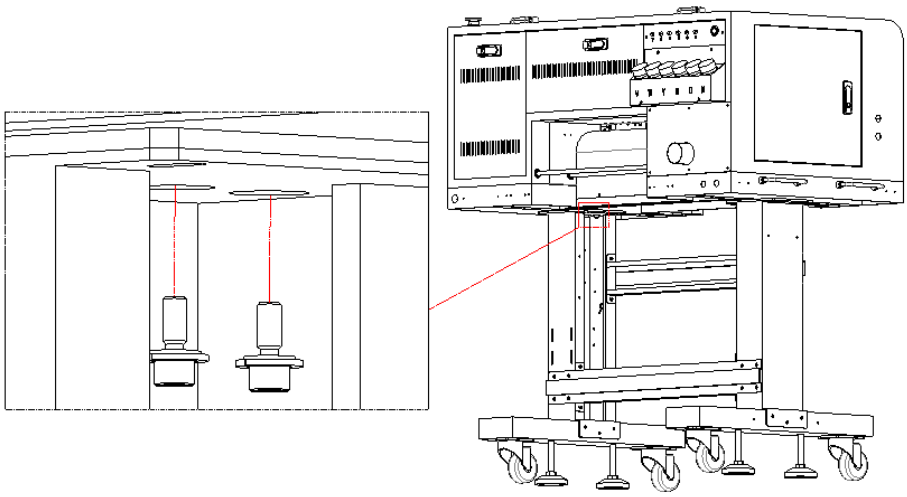
Repeat Step 3 to install the rear reinforcement plate.

### 5. INSTALLING THE PRINTER BODY

- Lift the printer body onto the stand. This operation requires 2 to 4 or more people.

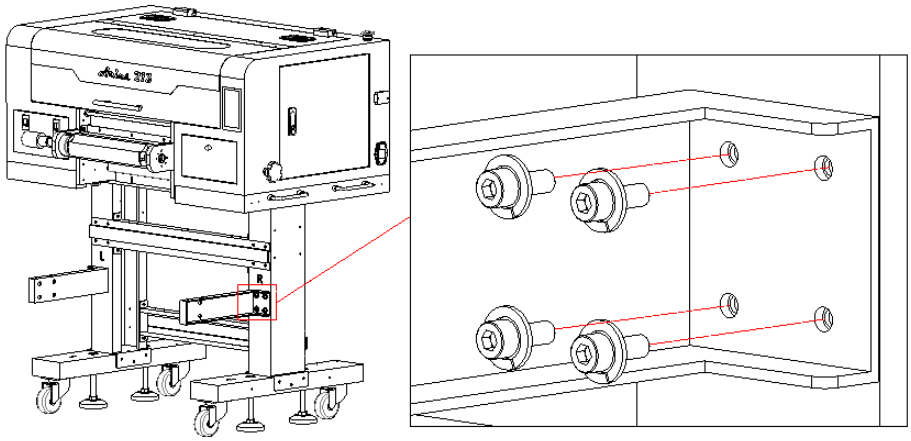


- Secure the printer body using M6×16 hex socket screws.

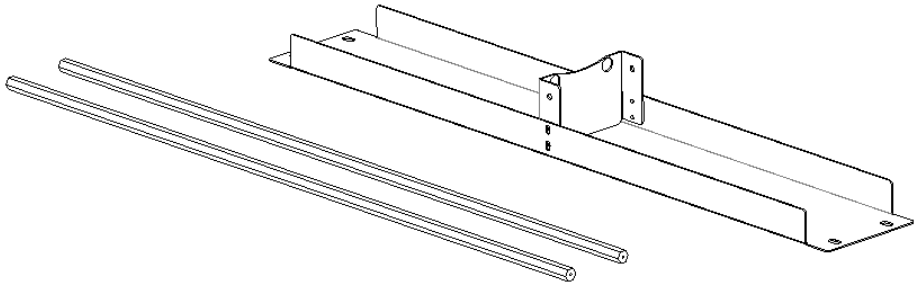


### 6. INSTALLING THE FRONT TAKE-UP REEL

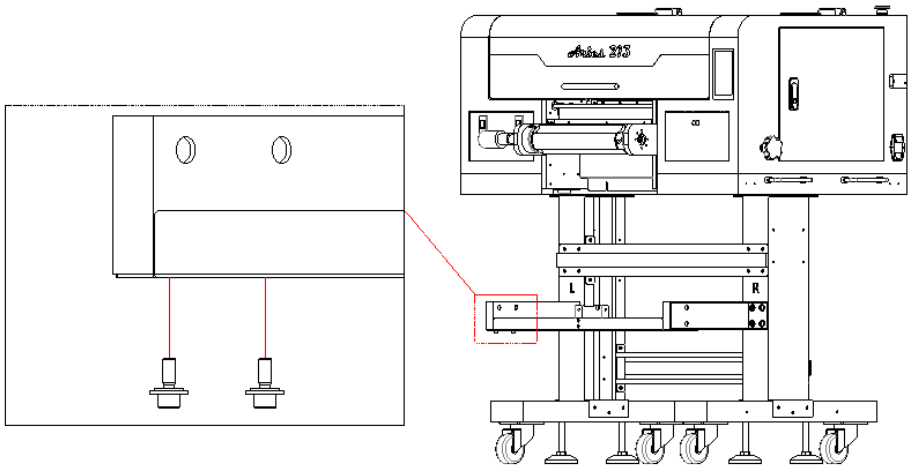
- Install the take-up reel bracket onto the support leg using M6×16 hex socket screws.



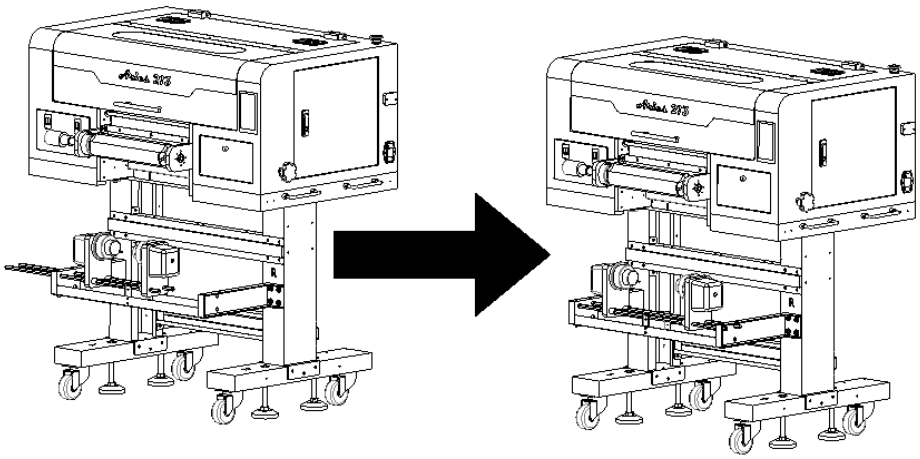
- Loosen the screws and separate the take-up reel bracket reinforcement plate from the take-up reel bar.



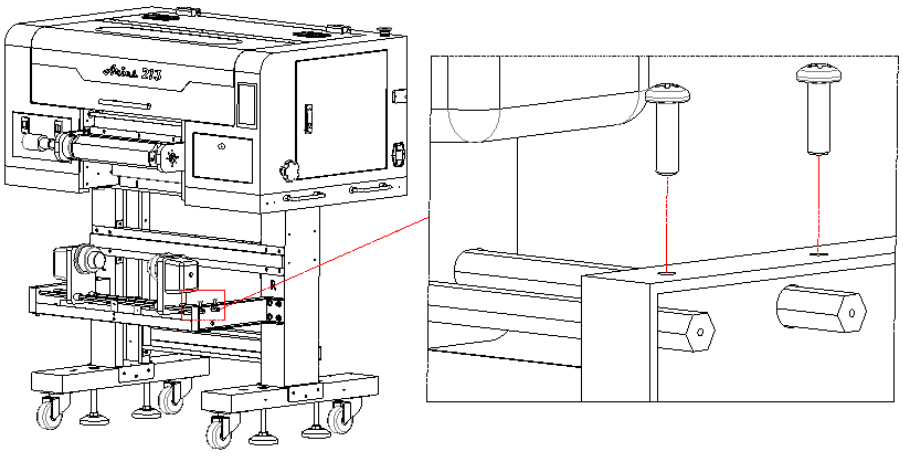
- Install the take-up reel bracket reinforcement plate onto the take-up reel bracket using M6×16 hex socket screws.



- Install the media holder and media holder bar.

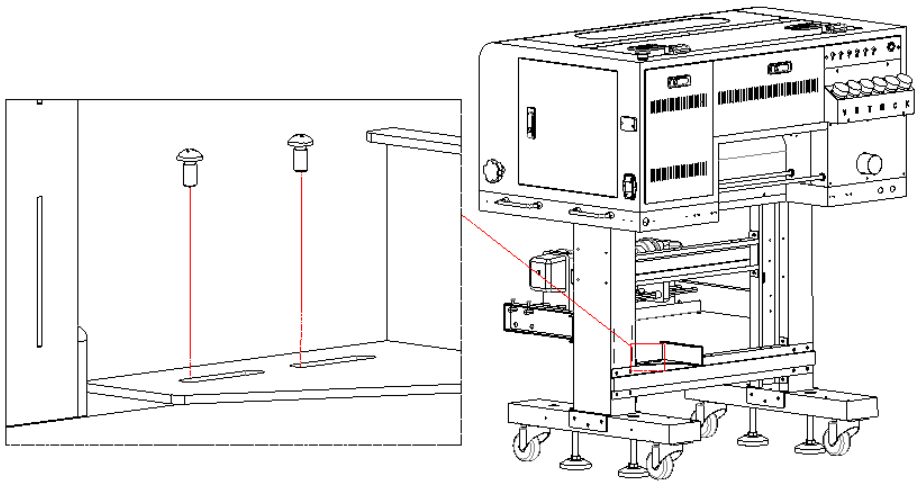


- Secure the take-up reel bar using M6×20 hex socket screws.



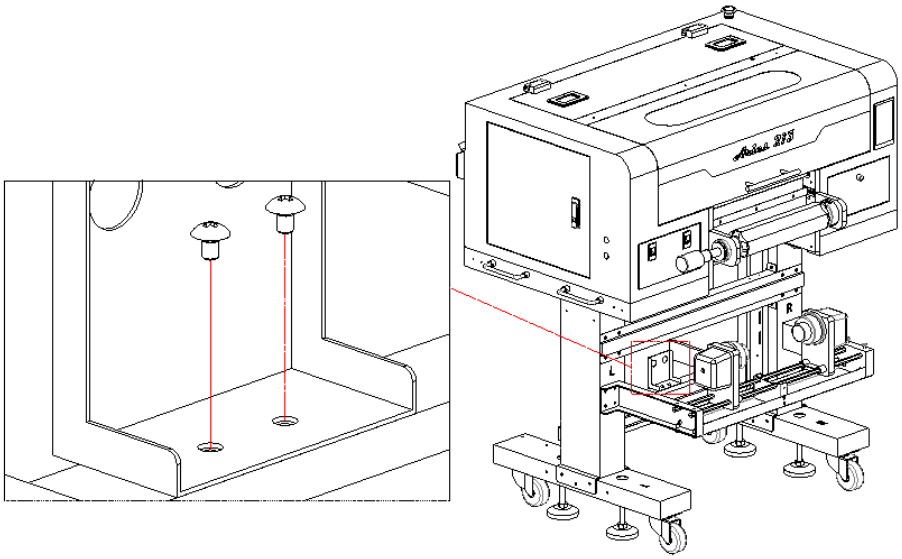
### 7. INSTALLING THE CENTER POSITIONING PLATE

Secure the center positioning plate to the support leg reinforcement plate using M3×10 round-head screws.



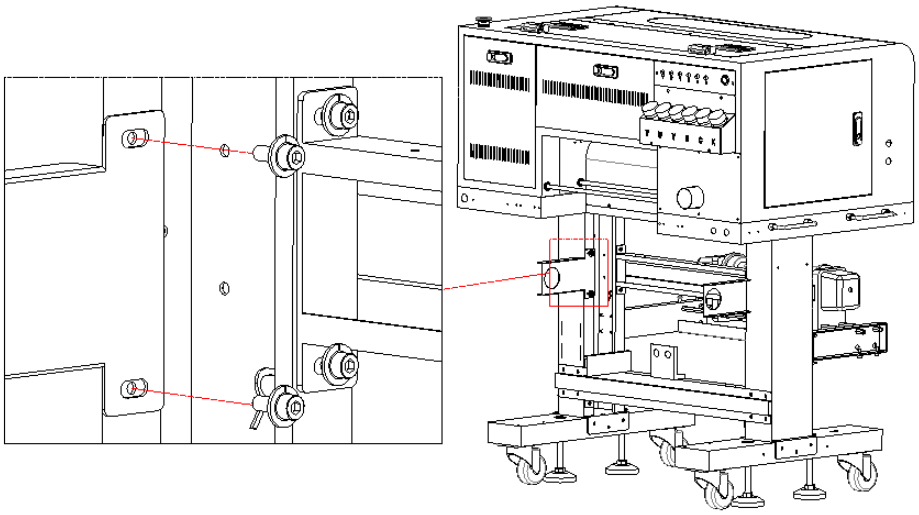
### 8. INSTALLING THE MEDIA SENSOR BRACKET

Secure the media sensor bracket to the support leg reinforcement plate using M4×6 large flat-head screws.

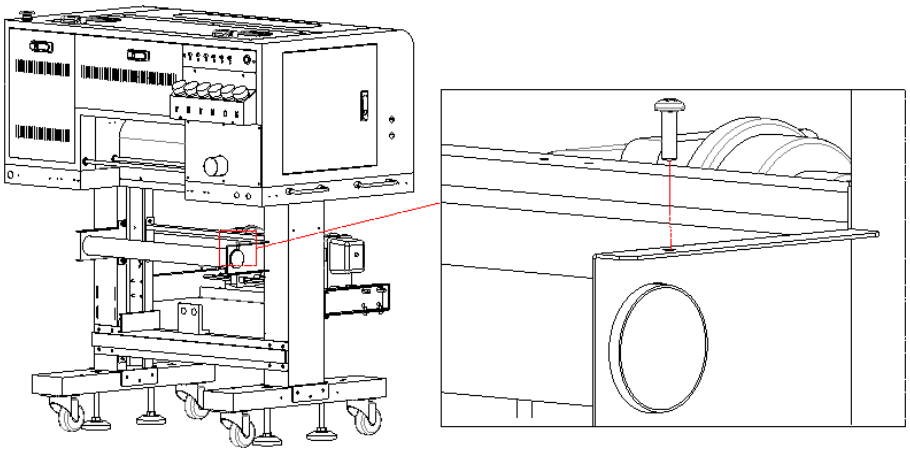


### 9. INSTALLING THE FILM TENSION BAR

- Install the film tension bar fixing plate onto the support leg using M6×16 hex socket screws.

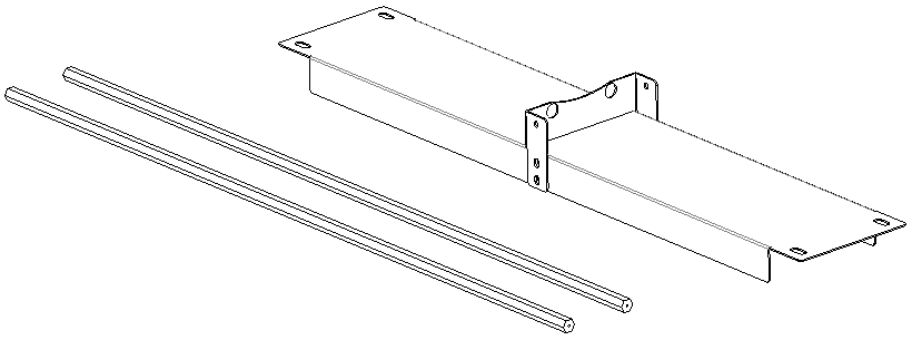


- Install the film tension bar and secure it using M6×20 hex socket screws.

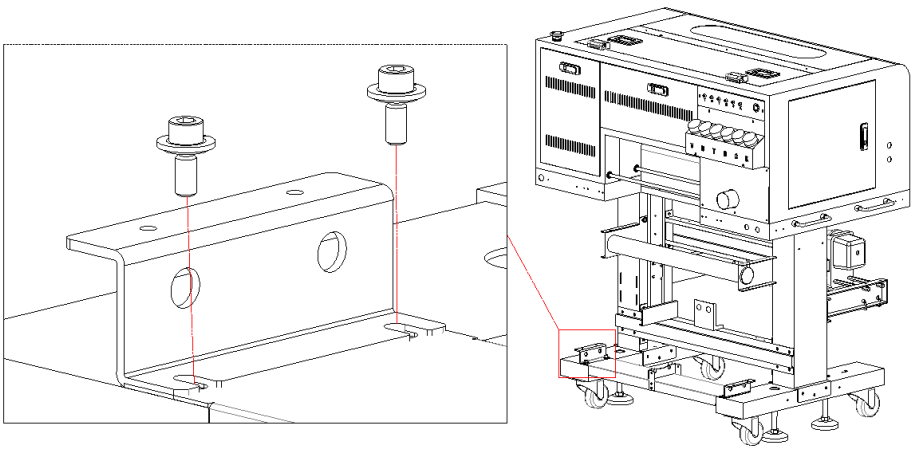


## 10. INSTALLING THE REAR MEDIA HOLDER

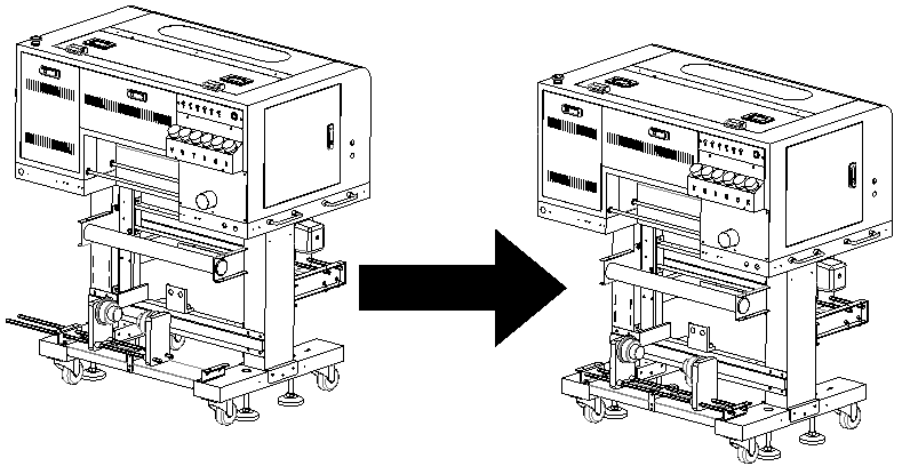
- Loosen the screws and separate the media holder bracket reinforcement plate from the media holder bar.



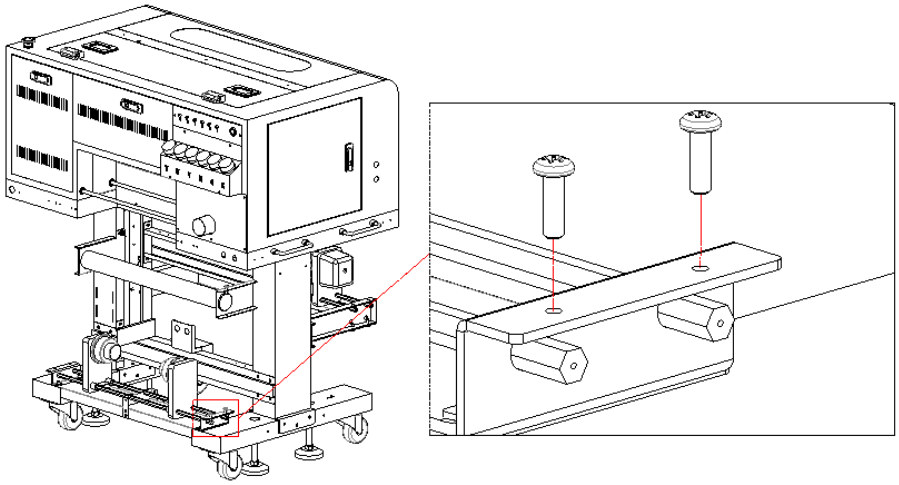
- Place the media holder bracket reinforcement plate and media holder fixing plate on the support leg base, and secure using M6×16 hex socket screws.



- Install the media holder and media holder bar.

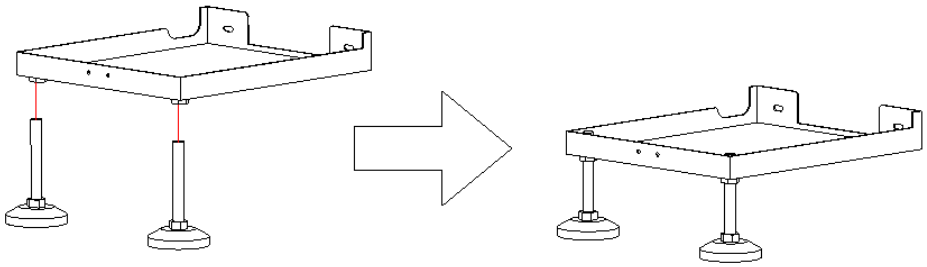


- Secure the media holder bar using M6×20 hex socket screws.

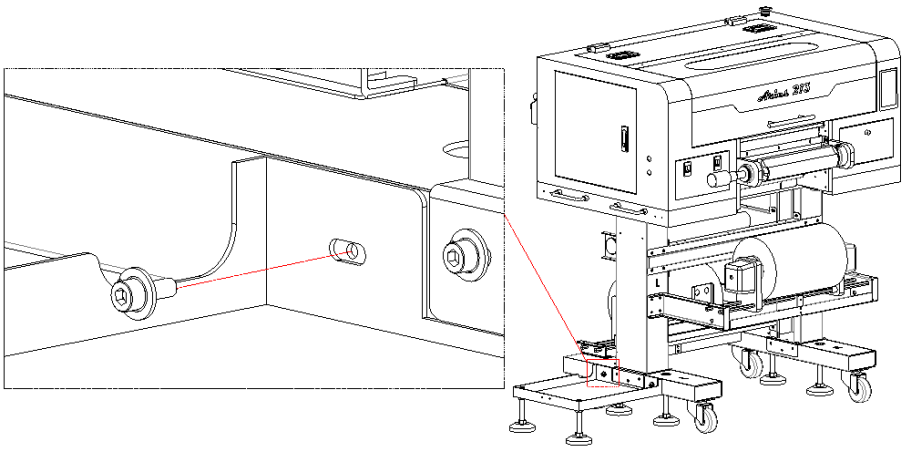


## 11. INSTALLING THE FUME EXTRACTOR HOLDER

- Install the leveling feet onto the Fume Extractor Holder.

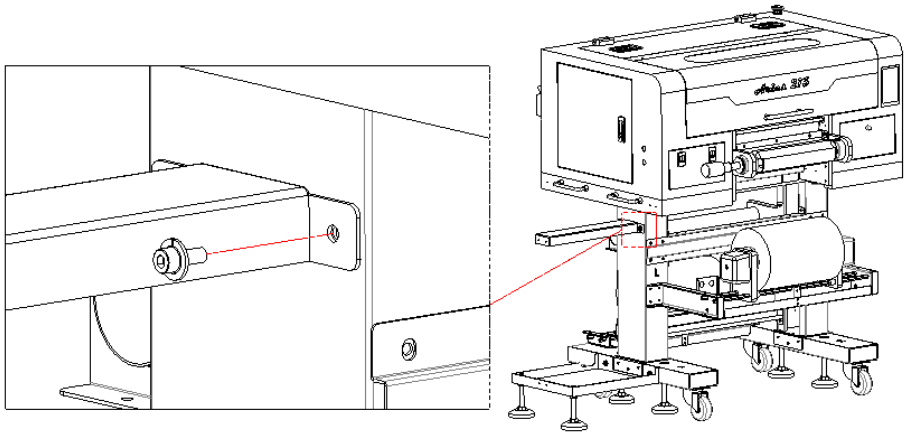


- Secure the Fume Extractor Holder to the support leg base using M6×16 hex socket screws.

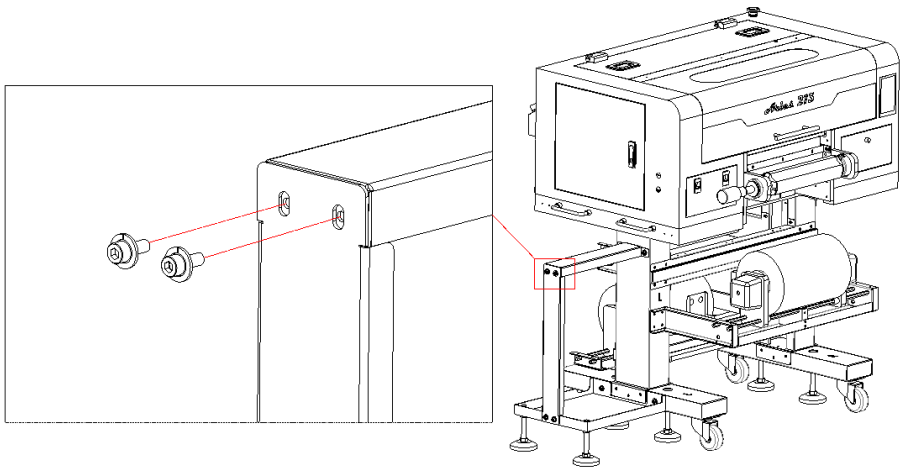


## 12. INSTALLING THE FUME EXTRACTOR HOLDER REINFORCEMENT PLATES

- Install Fume Extractor Holder Reinforcement Plate 1 onto the support leg using M6×16 hex socket screws.

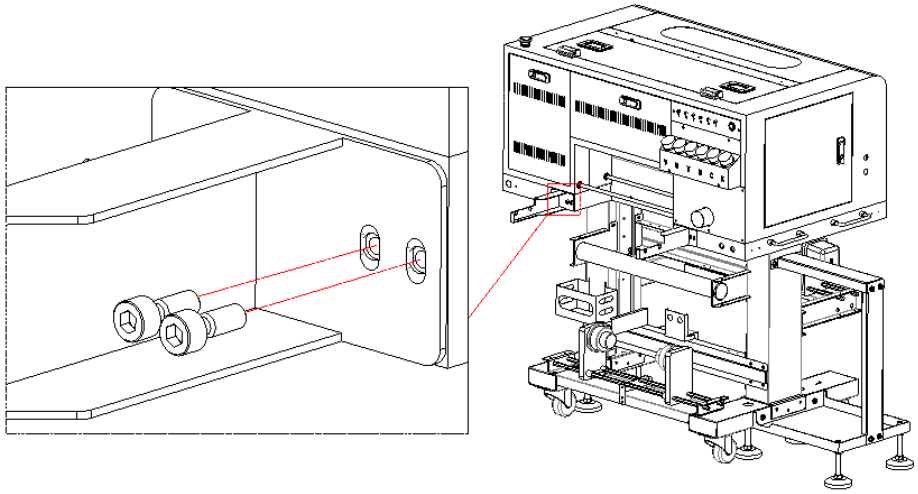


- Install Fume Extractor Holder Reinforcement Plate 2 onto Fume Extractor Holder Reinforcement Plate 1 and the Fume Extractor Holder using M6×16 hex socket screws.

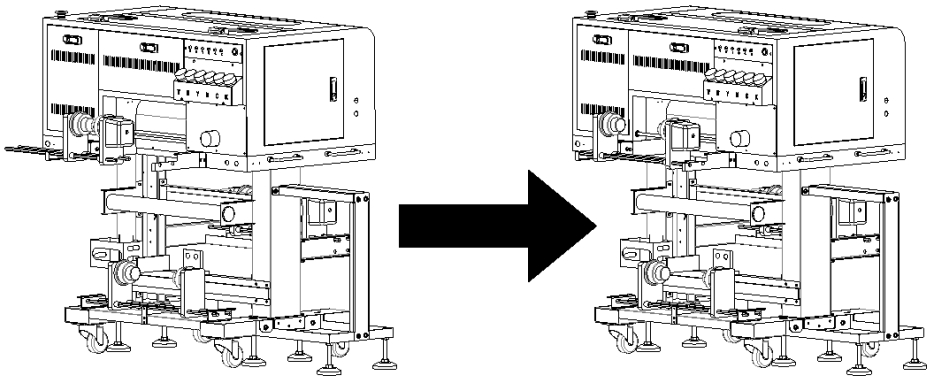


## 13. INSTALLING THE FILM TAKE-UP ASSEMBLY (FOR THE WASTE PROTECTIVE FILM FROM THE GLUED SIDE)

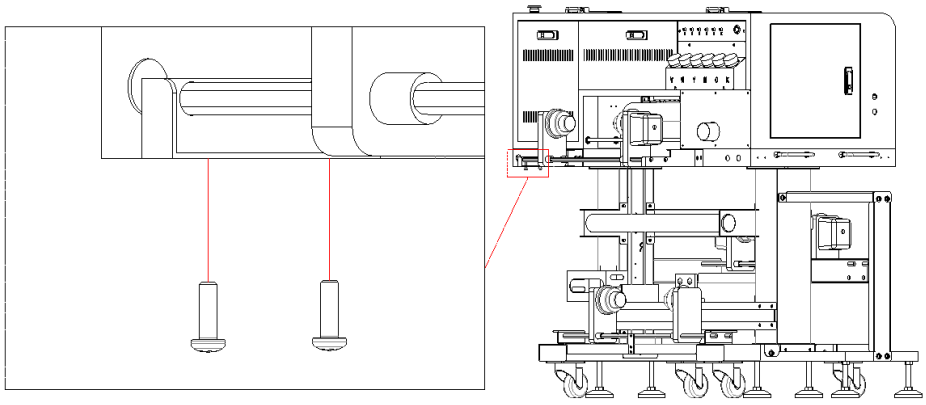
- Install the take-up reel bracket using M6×16 hex socket screws.



- Install the take-up reel support bar and media holder.



- Secure the take-up reel support bar using M6×20 hex socket screws.



## Step 2: Removing Transport Locks

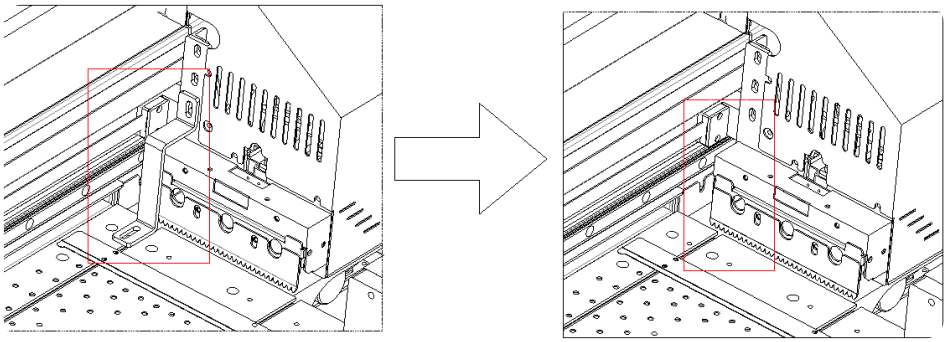
**IMPORTANT**

Remove all transport locks before powering on the machine.

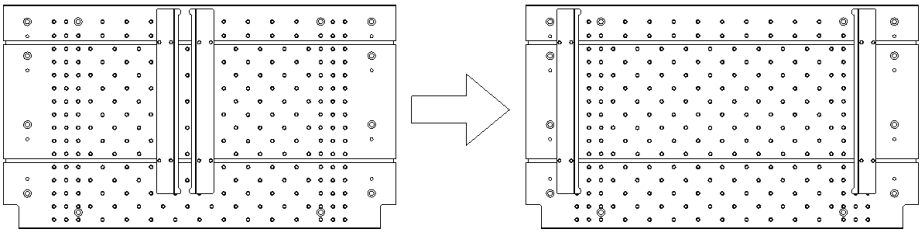
Failure to remove transport locks may result in malfunction or equipment damage during startup.

Retain all transport locks for future use. They must be reinstalled if the machine is relocated or transported.

Procedure:



- Open the front cover and remove the carriage lock.
- Remove the media guide protective stickers and move the media guide to both sides of the platen.



## Step 3: Connecting the Power Cable and Network Cable

**WARNING**

Ensure all power switches are turned off before performing this task.

Sudden movement of the machine may result in personal injury.

**WARNING**

Connect the machine only to a power source that meets the specified voltage, frequency, and current requirements.

Use of an incorrect power supply or inadequate current capacity may result in fire or electric shock.

**WARNING**

Handle the power cord, plug, and power outlet with care and in accordance with applicable safety requirements.

Do not use damaged power cords, plugs, or electrical outlets.

**WARNING**

If an extension cord or power strip is required, ensure that it is rated to meet the machine's specified requirements.

Do not overload a single outlet with multiple devices or use excessively long extension cords.

**WARNING**

Connect the machine only to a properly rated wall outlet.

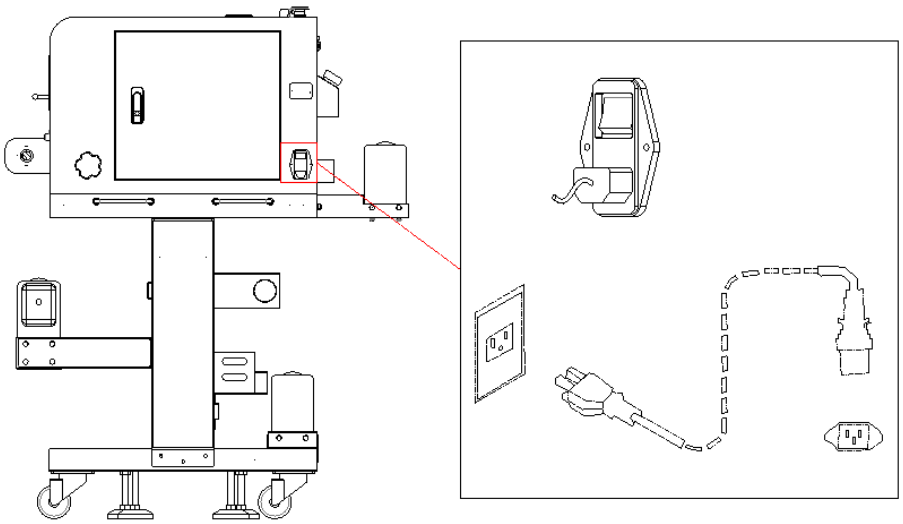
Do not connect the machine directly to a power distribution panel or permanently wired electrical equipment.

**WARNING**

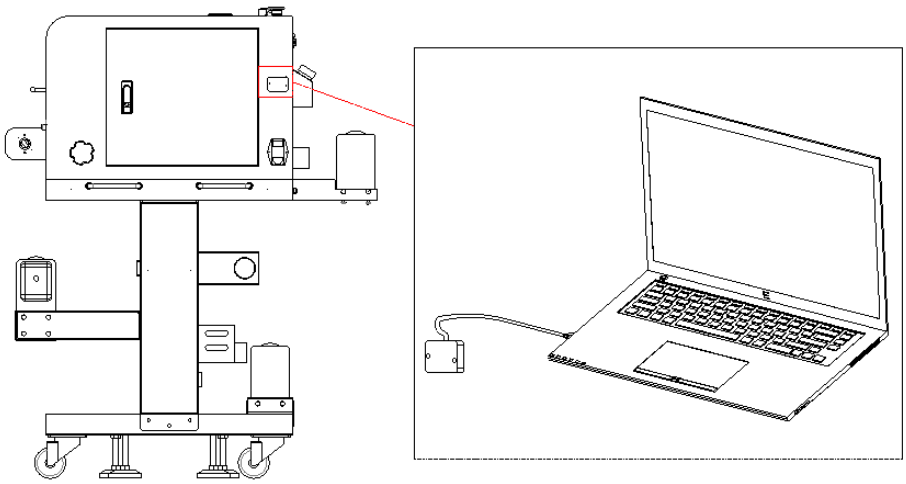
Ensure that the machine is connected to a proper protective earth (ground) connection.

Grounding reduces the risk of fire or electric shock in the event of electrical leakage or equipment malfunction.

Procedure:

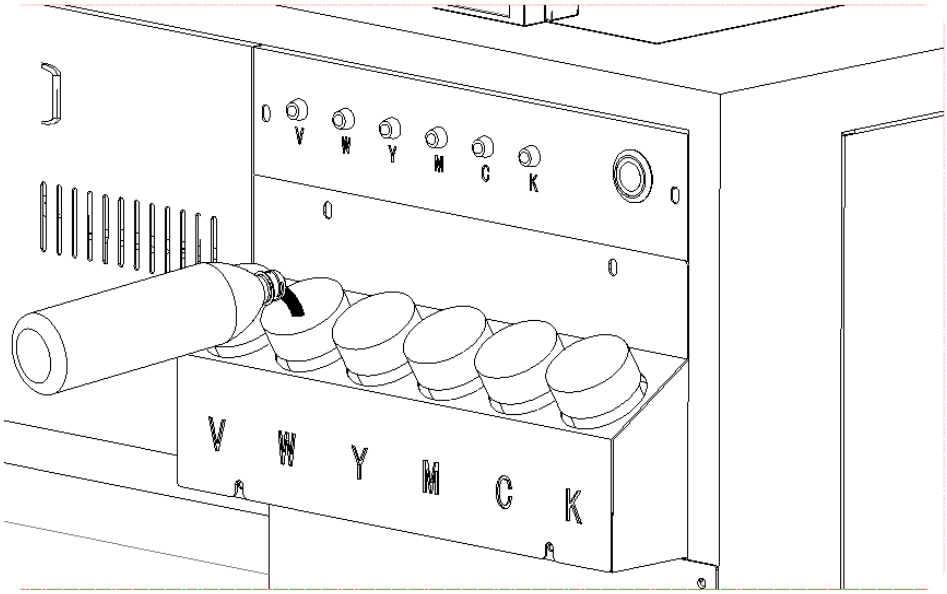


- Connect the power cable securely to the machine first, then connect the other end to a properly grounded wall outlet.
- Connect the Ethernet cable to the computer used for operation.



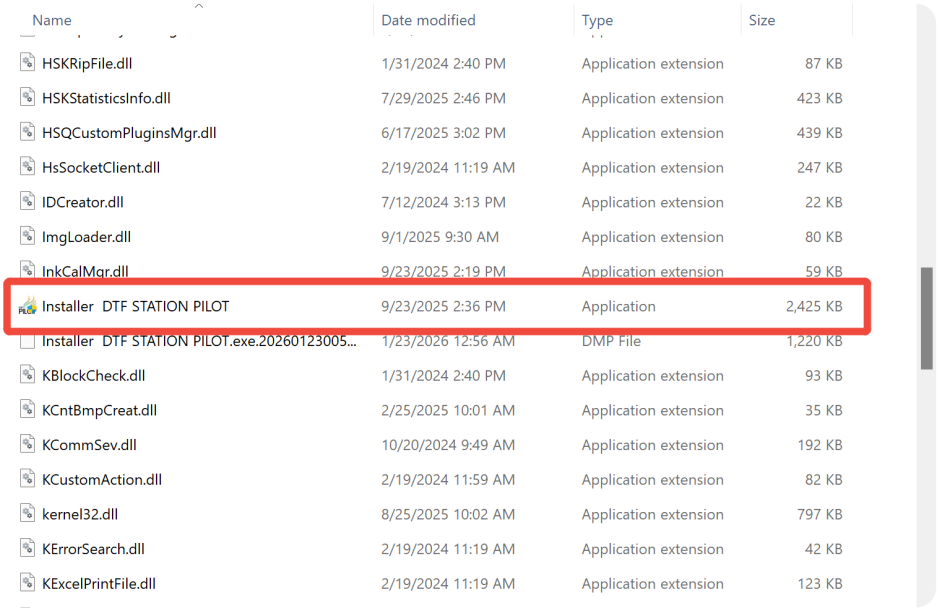
## Step 4: Adding Ink

- Match each ink bottle with the corresponding color label.

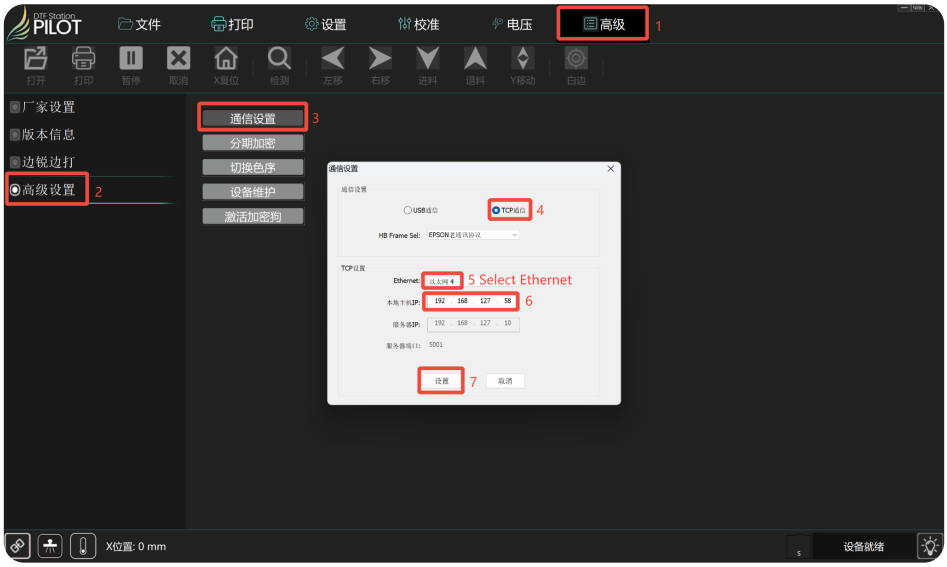



- Shake the ink bottle thoroughly before filling.
- Add the ink to the corresponding ink bottle according to the color label.

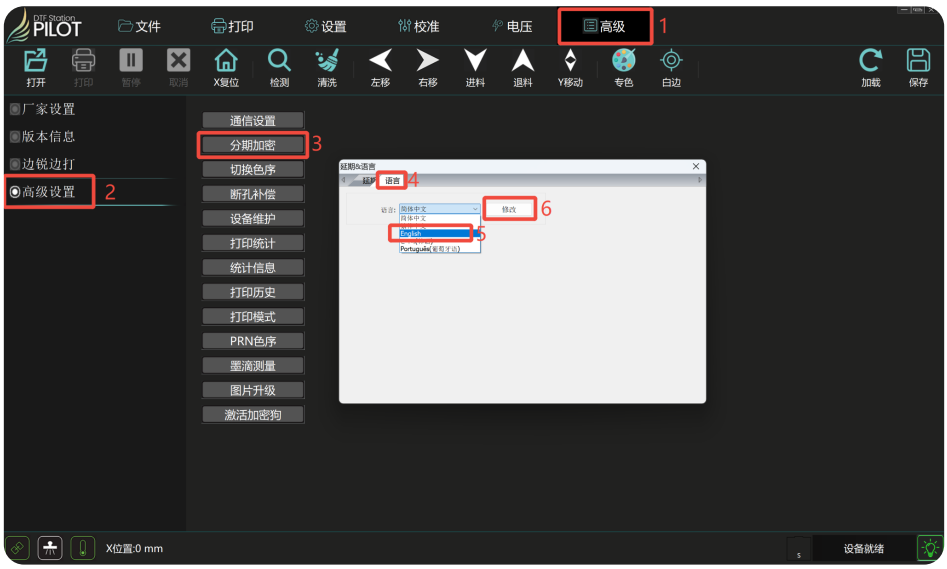
## Step 5: Installing the Software




- Insert the USB flash drive included with the machine into your computer. Copy the installation package to the computer and extract the files. Double-click the software icon to launch the installer.
- Follow the on-screen instructions to configure the IP address.




- Follow the on-screen instructions to change the language settings.




- Restart the software after completing all settings.

**INSTALLATION AND SETUP OF THE ARIES 213 ARE NOW COMPLETE.**

For detailed operation instructions, refer to the User's Manual.

Thank you for using this product.