INSTALLATION & SETUP GUIDE

Aries 124



DTF STATION

www.dtfstationglobal.com

BEFORE YOU BEGIN

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.

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

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

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

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

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

Contents

1. Pre-Installation Check 4

1.1 Documentation Overview 4

1.2 Installation and Placement 4

1.3 Installation Location Precautions 4

1.4 Temperature and Humidity 5

1.5 Installation and Working Space 6

2. Checking the Supplied Items 7

3. Assembly and Ink Filling 9

Pre-Operation Check 9

Step 1: Enclosure Assembly 10

Step 2: Stand Assembly 14

Step 3: Removing Transport Locks 23

Step 4: Connecting the Power Cable and Network Cable 24

Step 5: Adding Ink 26

Step 6: Installing the Software 27

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 443 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 to ensure immediate access to the power outlet.

> ⚠ **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

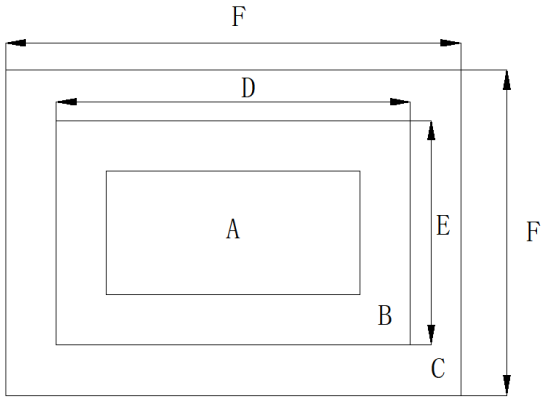
1.4 Temperature and Humidity

Maintain the specified temperature and humidity conditions at all times, even when the machine is not in operation. Failure to comply may result in malfunction, reduced performance, or equipment damage.

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	2,253 mm
	Width	1,206 mm
	Height	1,649 mm
B: Recommended Installation Space	Length	3,253 mm
	Width	2,206 mm
C: Recommended Operating Space	Length	4,253 mm
	Width	3,206 mm

2. Checking the Supplied Items

STAND COMPONENTS

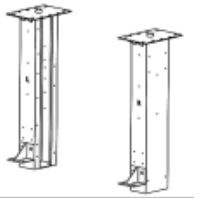
Left Enclosure



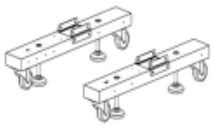
Right Enclosure

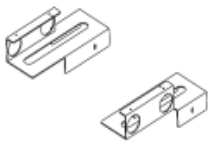


Support Leg



Support Leg Base

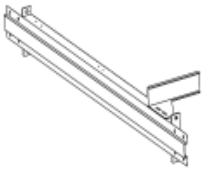




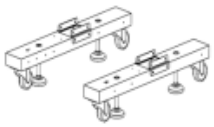
Film Take-Up Fixing Bracket



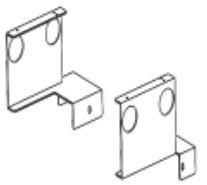
Media Holder Bar



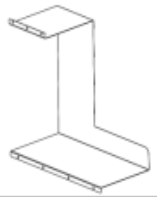
Support Leg Reinforcement Plate 2



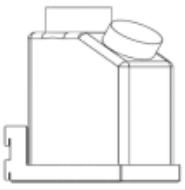
Support Leg Reinforcement Plate



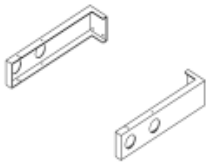
Film Holder Fixing Bracket



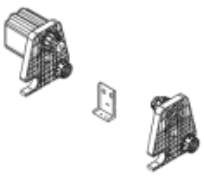
Computer Host Tray



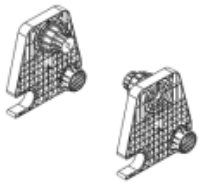
Waste Ink Bottle Holder



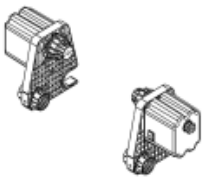
Media Holder Bracket



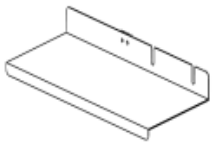
Single-Motor Media Holder



Non-Motor Media Holder



Dual-Motor Media Holder



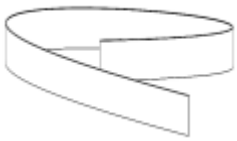
Keyboard Tray



Monitor Bracket

ACCESSORIES BOX

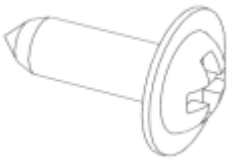

USB Flash Drive

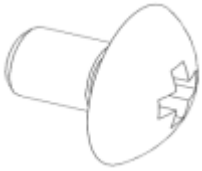

Print Head Cable

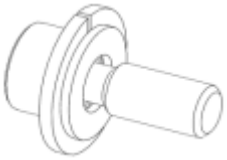

Power Cord

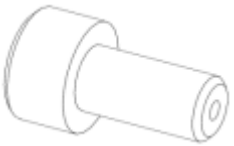

Damper


Print Head Screw M3×10


Screw with Washer M3×8


Large Flat-Head Screw 4×6


Hex Socket Screw M6×16


Hex Socket Screw 5×10

Syringe

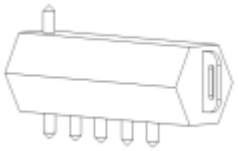

Ink Tube

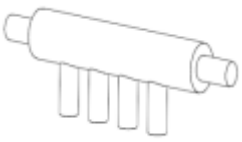

Gloves


Ink Connector - Y-Shape


Ink Connector - Straight


Waterproof Tape


Ink Reservoir


2-to-4 Connector


Lock Pin

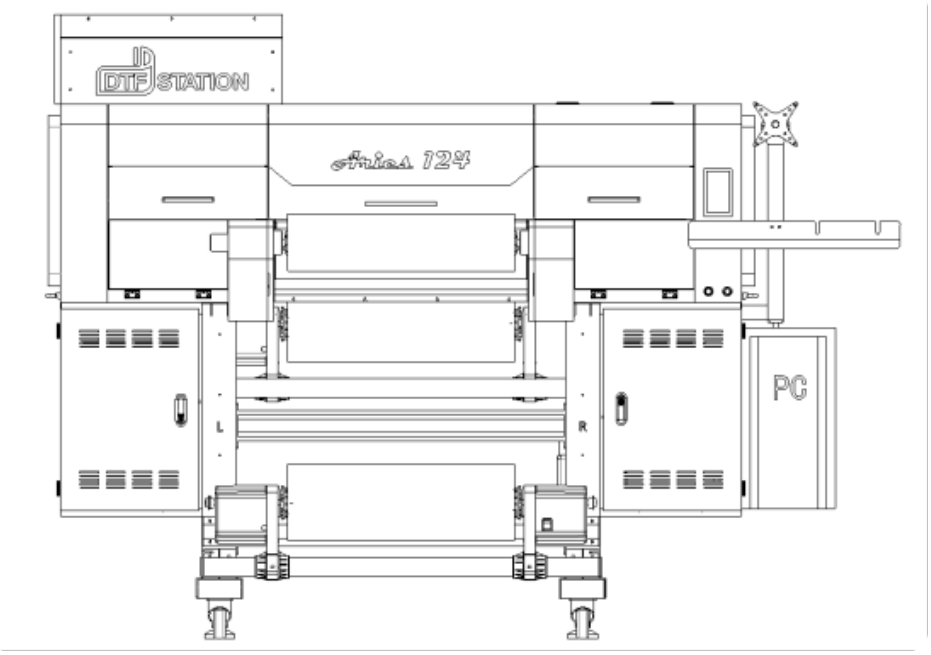
3. Assembly and Ink Filling

Pre-Operation Check

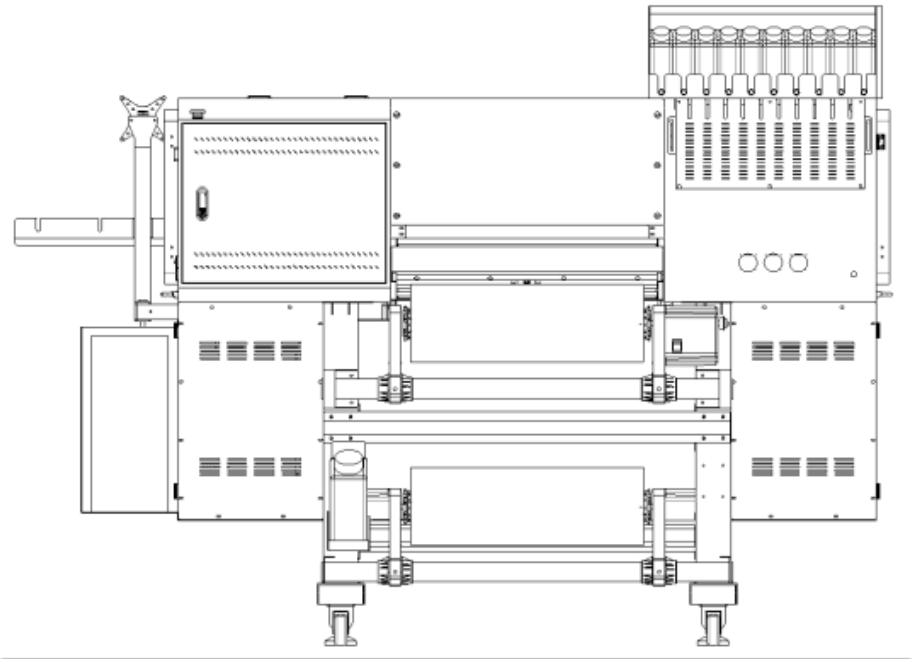
> ⚠ **WARNING**
>
> Unloading and installation must be performed by 4 to 6 or more people.
>
> These tasks require coordinated effort by all personnel. If the machine or components are dropped, serious personal injury may result.

After installation, the machine should appear as shown in the illustrations below.

FRONT



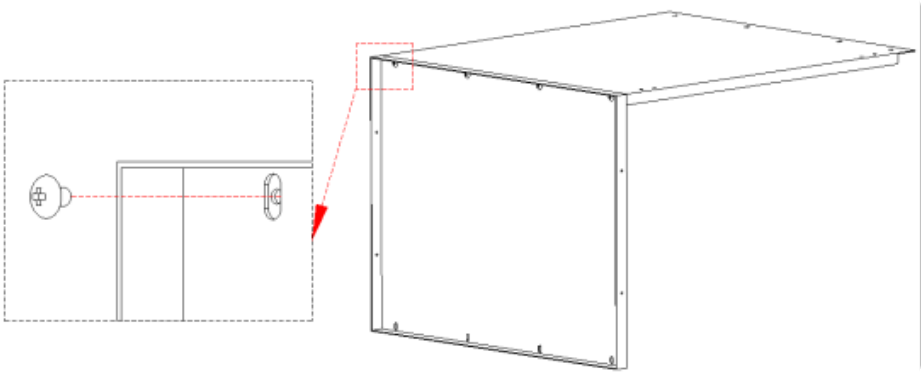
REAR



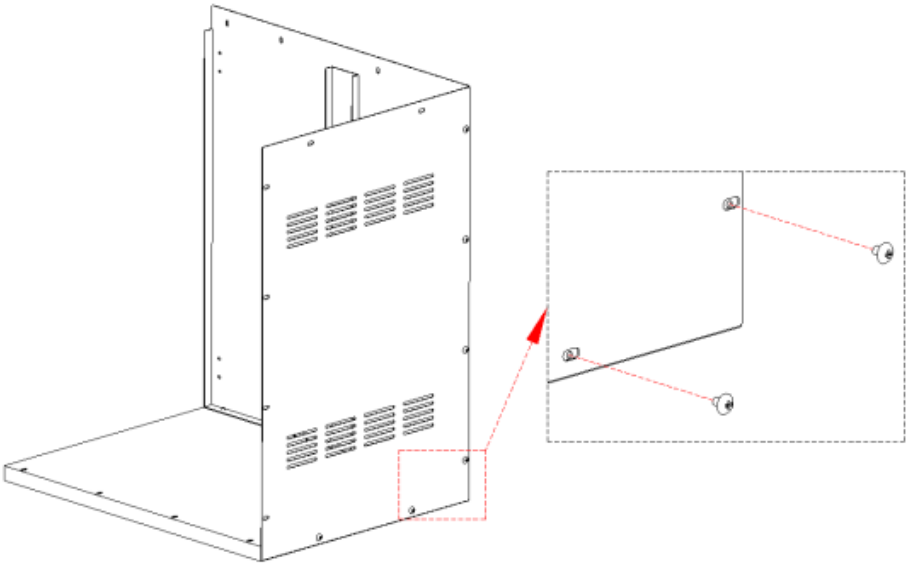
Step 1: Enclosure Assembly

LEFT ENCLOSURE

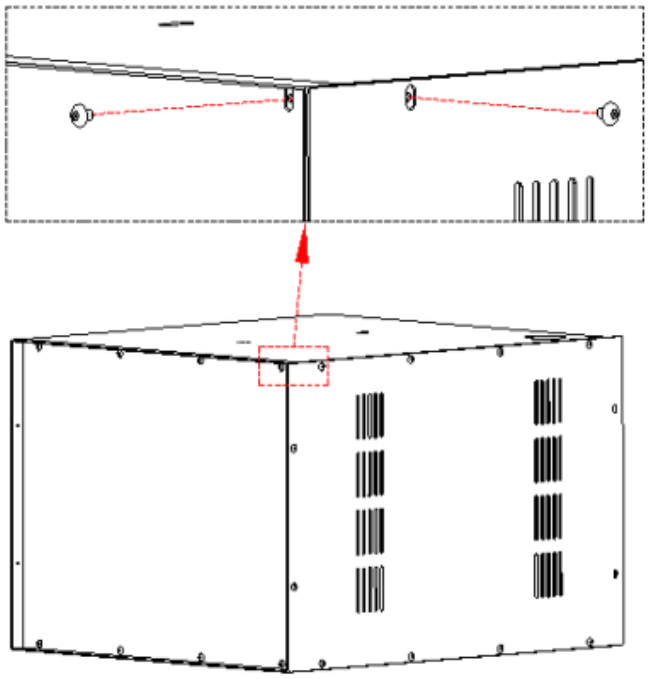
1. Install the left side panel of the left enclosure onto the bottom plate using M4×6 large flat-head screws.



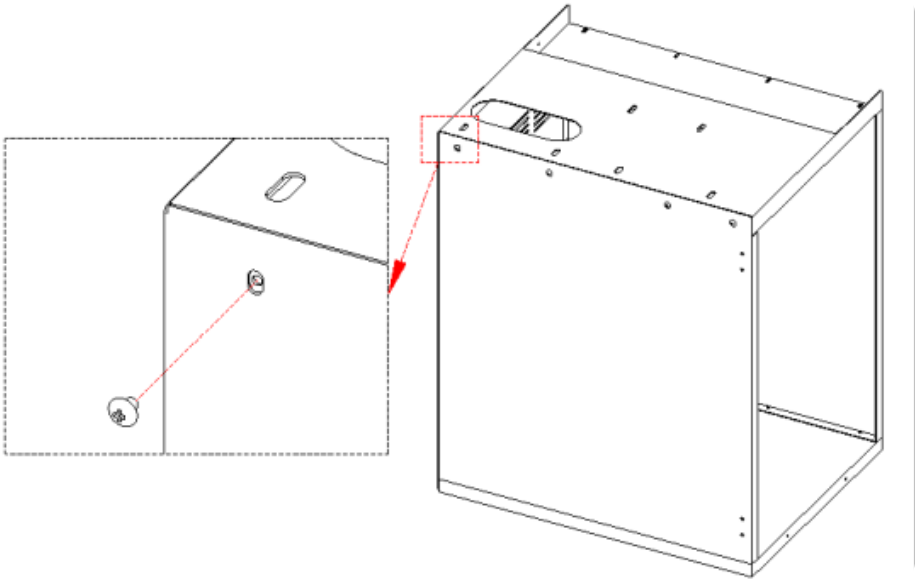
2. Install the rear panel of the left enclosure onto the bottom plate using M4×6 large flat-head screws.



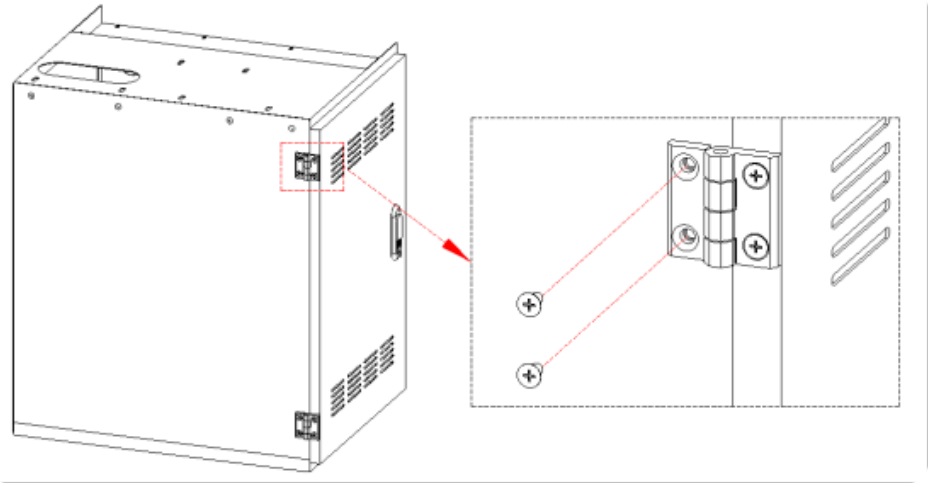
3. Install the right side panel of the left enclosure onto the bottom plate using M4×6 large flat-head screws.



4. Install the top cover plate of the left enclosure onto the bottom plate using M4×6 large flat-head screws.

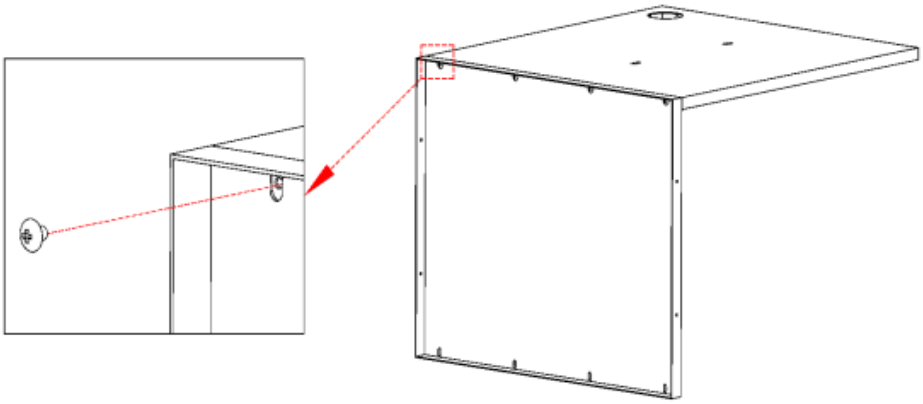


5. Install the front door panel of the enclosure onto the bottom plate using M4×8 countersunk screws.

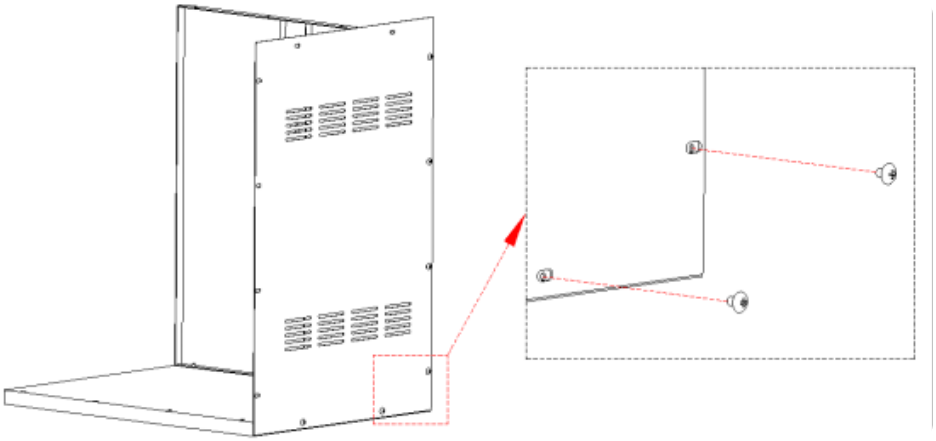


RIGHT ENCLOSURE

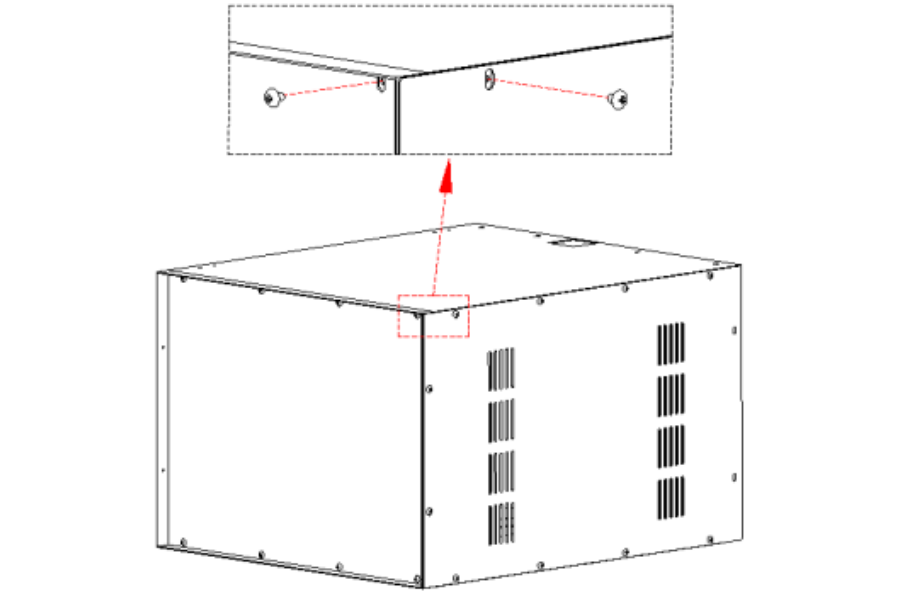
1. Install the left side panel of the right enclosure onto the bottom plate using M4×6 large flat-head screws.



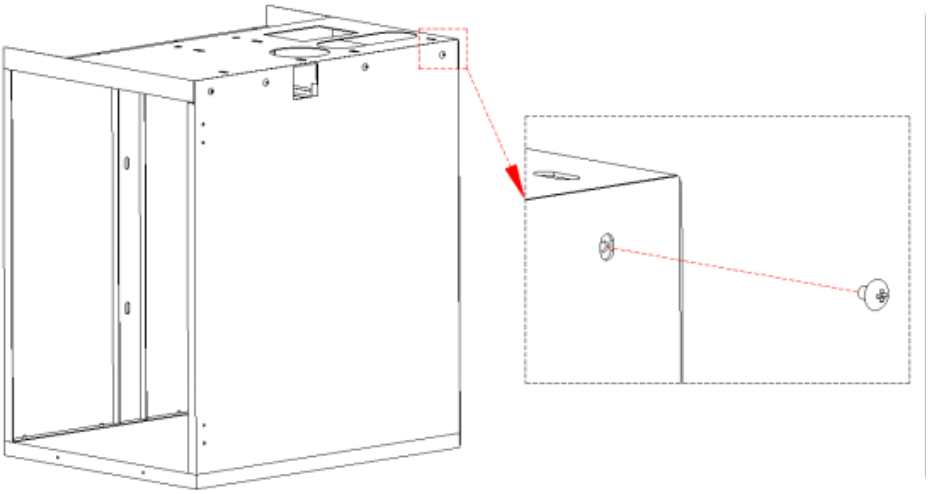
2. Install the rear panel of the right enclosure onto the bottom plate using M4×6 large flat-head screws.



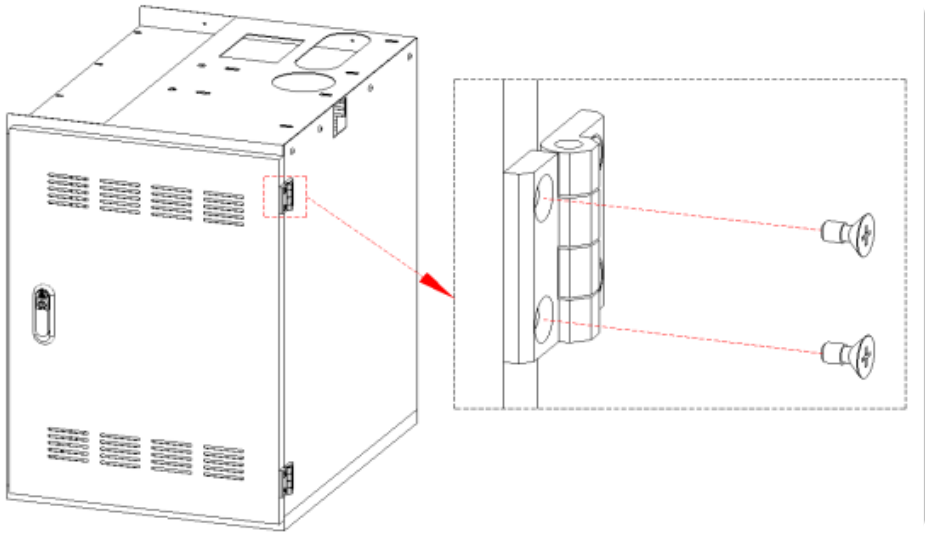
3. Install the right side panel of the right enclosure onto the bottom plate using M4×6 large flat-head screws.



4. Install the top cover plate of the right enclosure onto the bottom plate using M4×6 large flat-head screws.



5. Install the front door panel of the right enclosure onto the bottom plate using M4×8 countersunk screws.

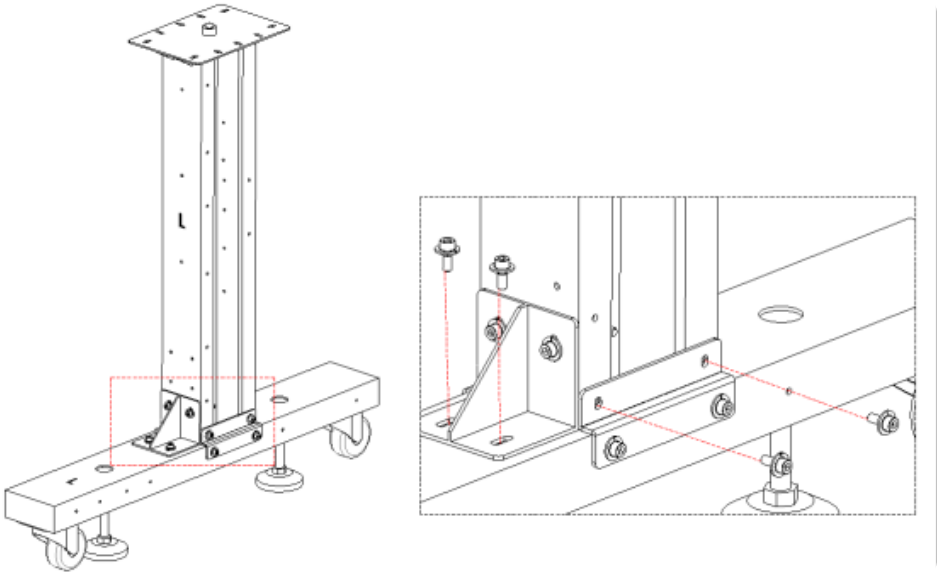


Step 2: Stand Assembly

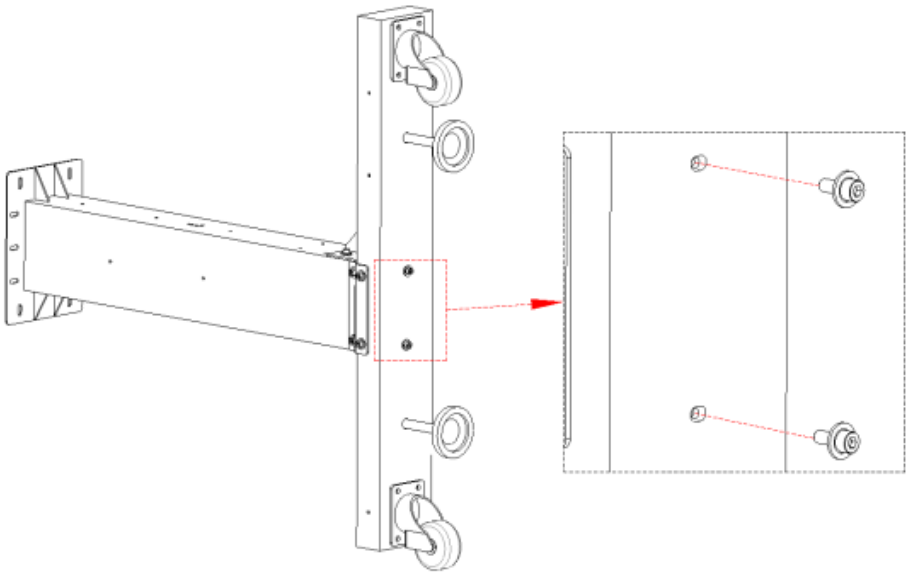
PROCEDURE

1. INSTALLING THE SUPPORT LEGS

1. Loosen the fixing plate screws on the support leg base. Align the support leg with the holes on the base, then secure the support leg fixing plate and corner brackets using M6×16 hex socket screws. Do not fully tighten the screws at this stage.



2. Secure the inner holes of the support leg using M6×16 hex socket screws, then fully tighten all screws.

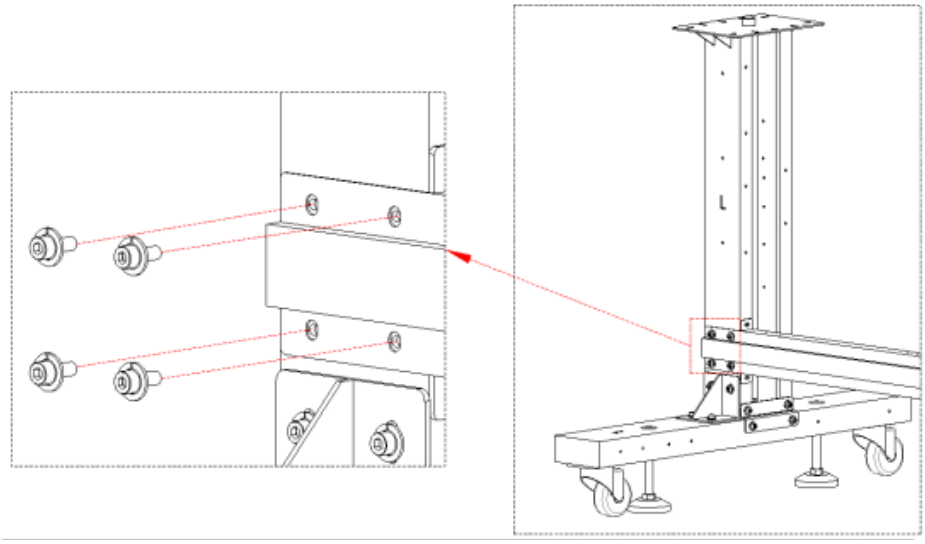


2. INSTALLING THE RIGHT SUPPORT LEG

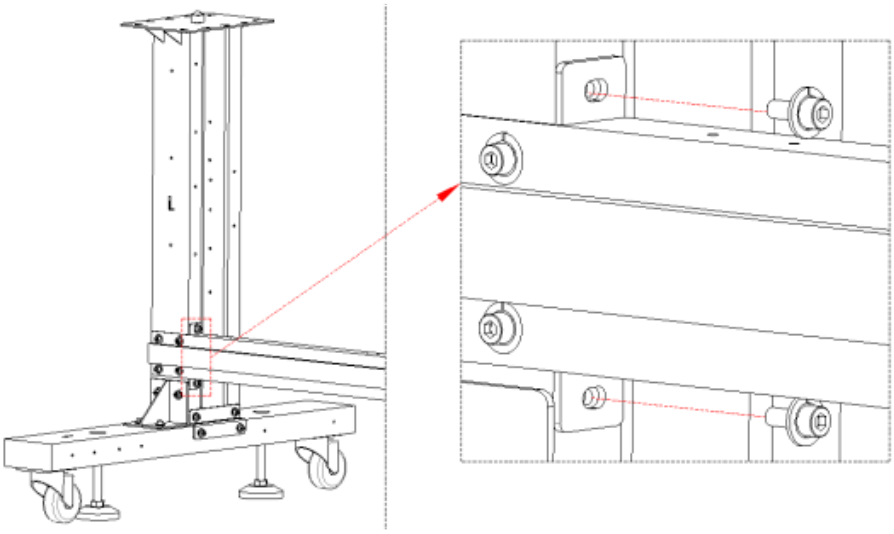
Repeat Step 1 to install the right support leg.

3. INSTALLING THE SUPPORT LEG REINFORCEMENT PLATE

1. Secure the support leg reinforcement plate using M6×16 hex socket screws. Repeat the same procedure on the other side. Do not fully tighten the screws yet.



2. Secure the side of the support leg reinforcement plate using M6×16 hex socket screws, then fully tighten all screws.



• 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

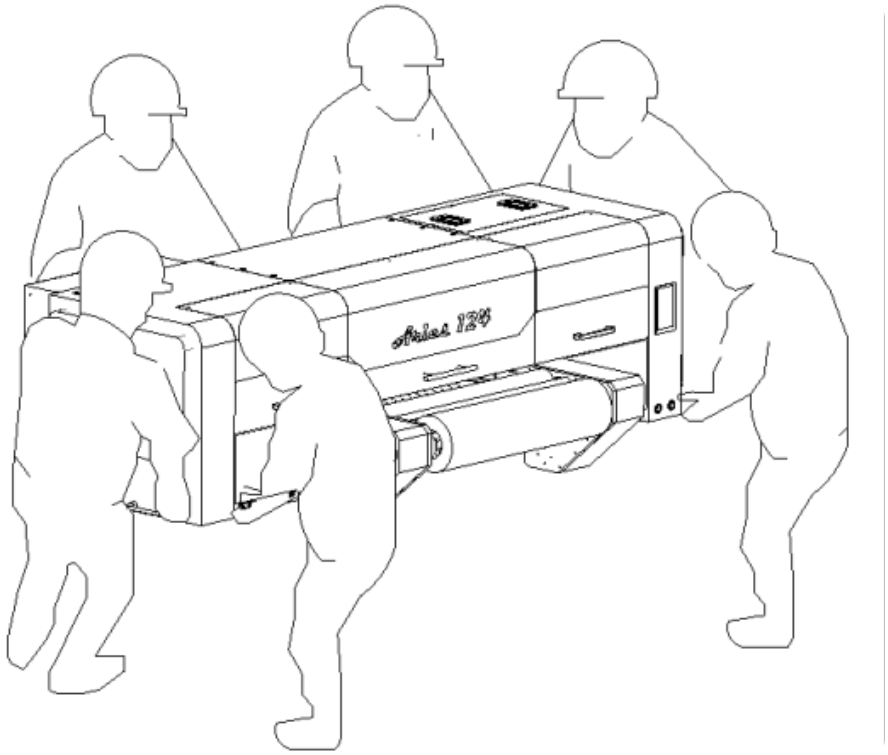
• Any gap may affect installation of the printer body afterward.

4. INSTALLING THE REAR SUPPORT LEG REINFORCEMENT PLATE

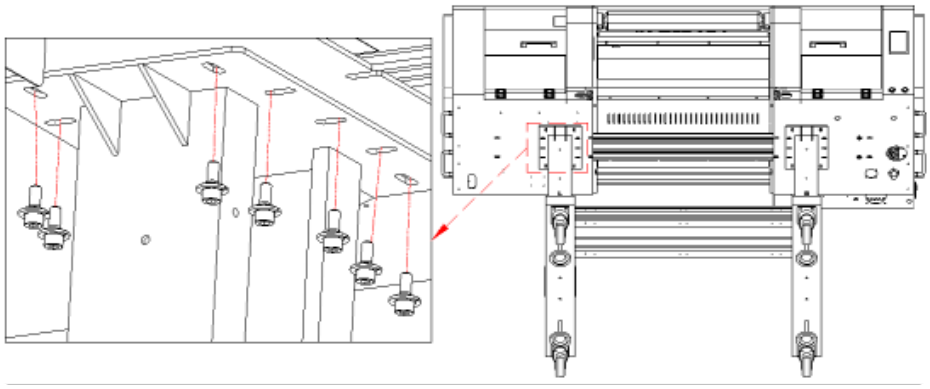
Repeat Step 3 to install the rear reinforcement plate.

5. INSTALLING THE PRINTER BODY

1. Lift the printer body onto the stand. This operation requires 4 to 6 or more people.

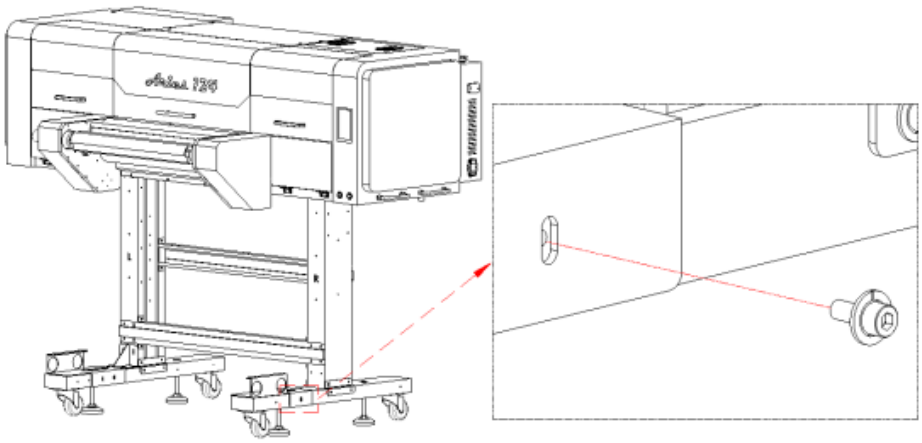


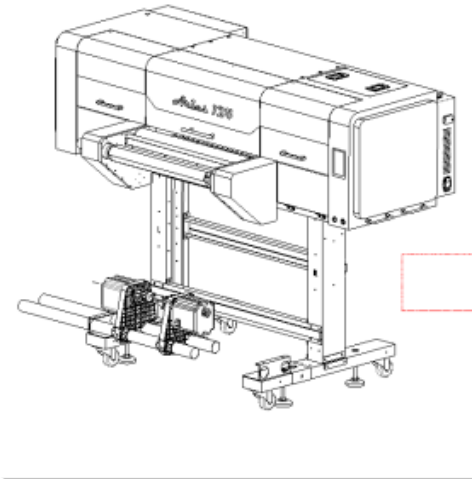
2. Secure the printer body using M6×16 hex socket screws.



6. INSTALLING THE TAKE-UP BRACKET

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

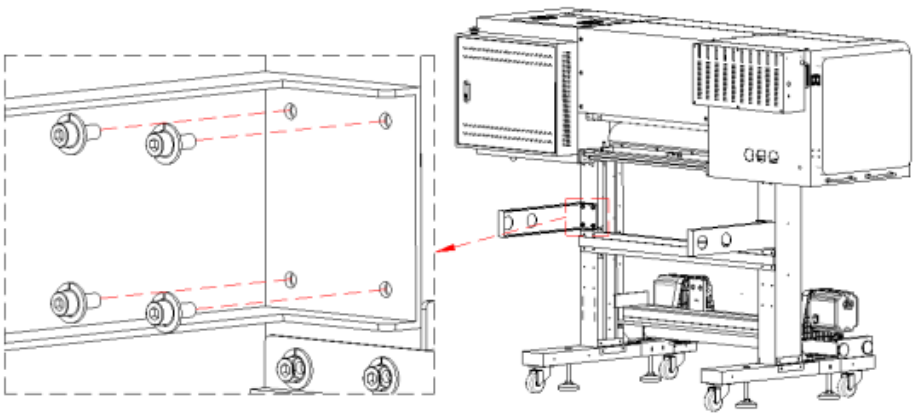




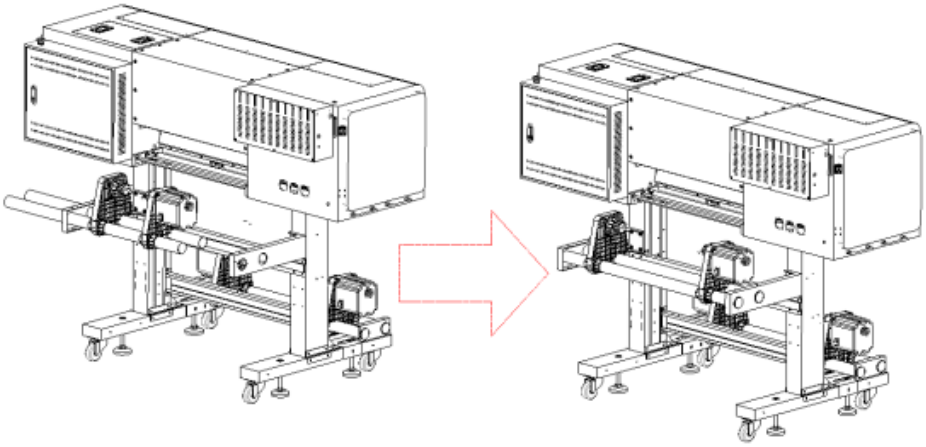
2. Insert the media holder bar and take-up reel through the film take-up fixing bracket.

7. INSTALLING THE MEDIA HOLDER BRACKET

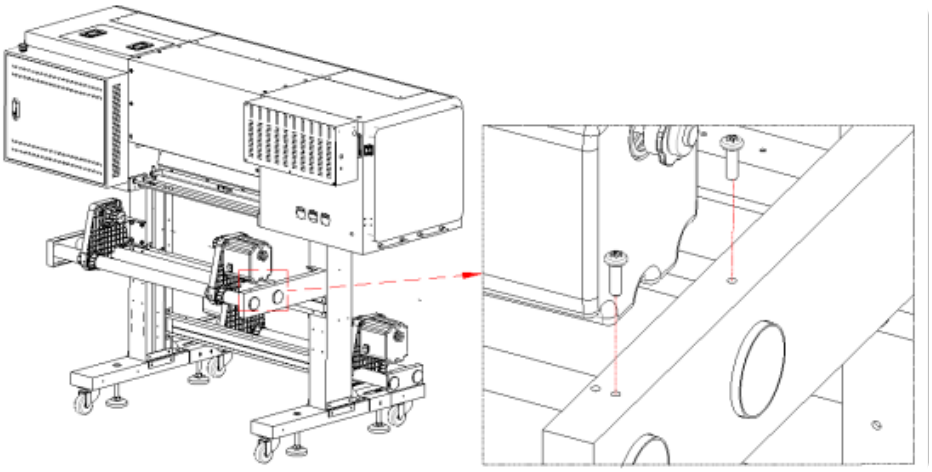
1. Install the media holder bracket using M6×16 hex socket screws. The media holder bracket and film tension bar fixing plate share the same mounting holes.



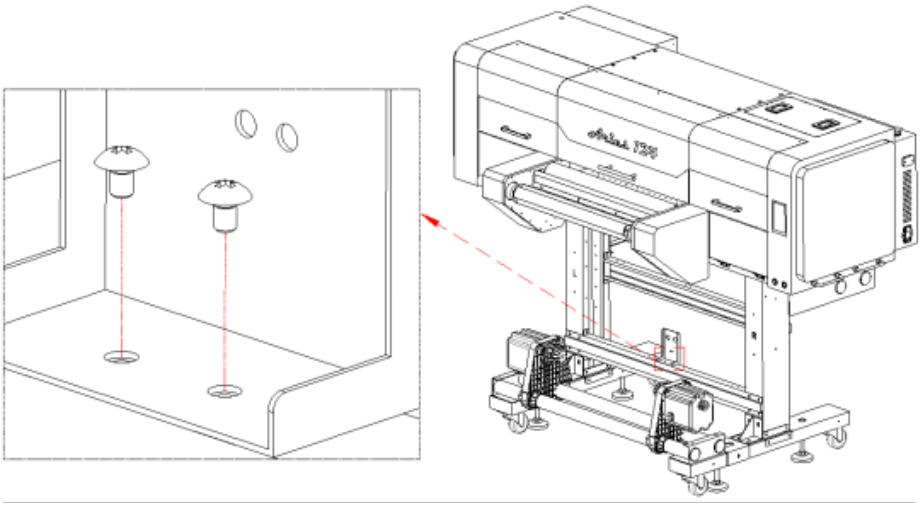
2. Insert the media holder bar and media holder through the media holder bracket.



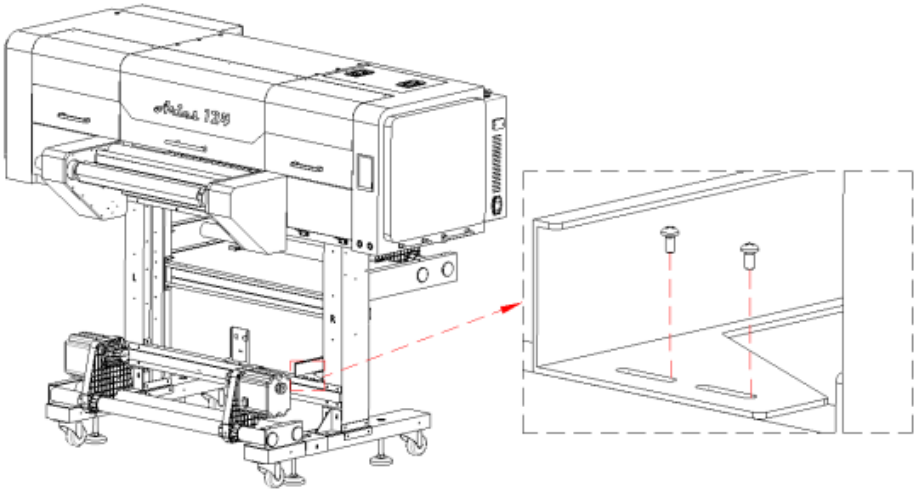
3. Secure the media holder bar using M6×20 screws.



4. Install the media sensor bracket using M4×6 large flat-head screws.

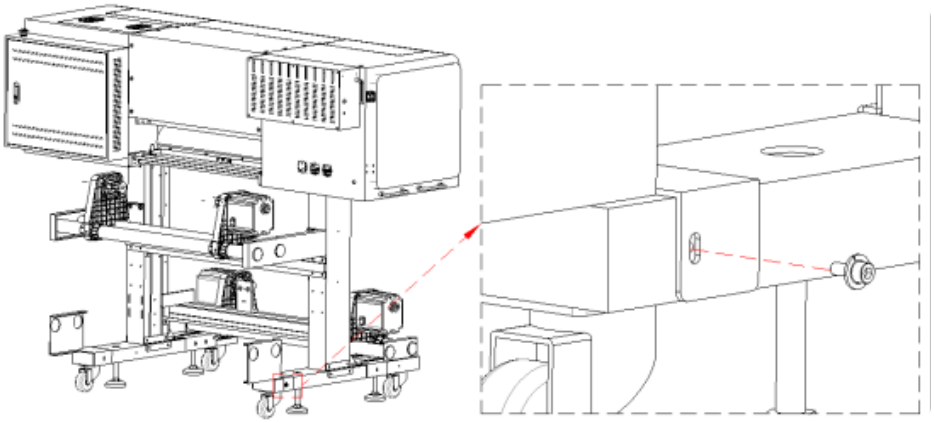


5. Install the center positioning plate using M3×10 round-head screws.

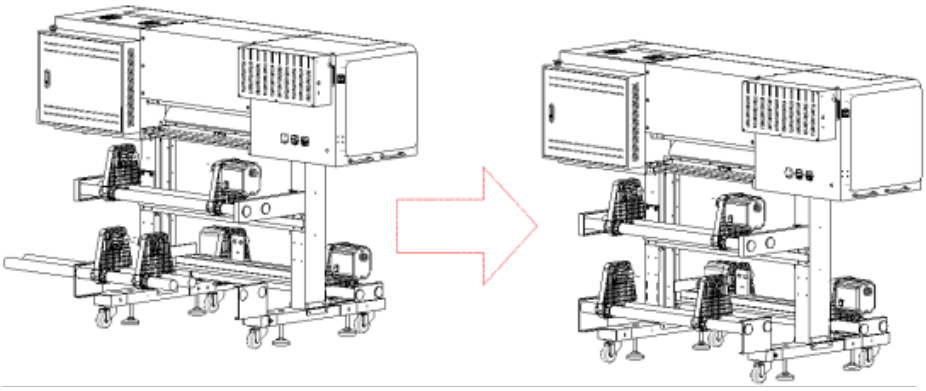


8. INSTALLING THE FILM TAKE-UP BRACKET

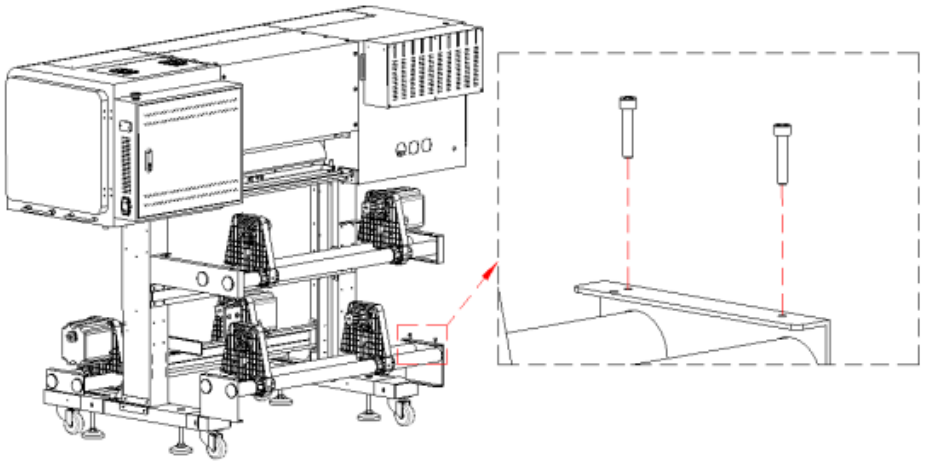
1. Install the film take-up bracket fixing plate using M6×16 hex socket screws.



2. Insert the media holder and media holder bar through the film take-up bracket fixing plate.

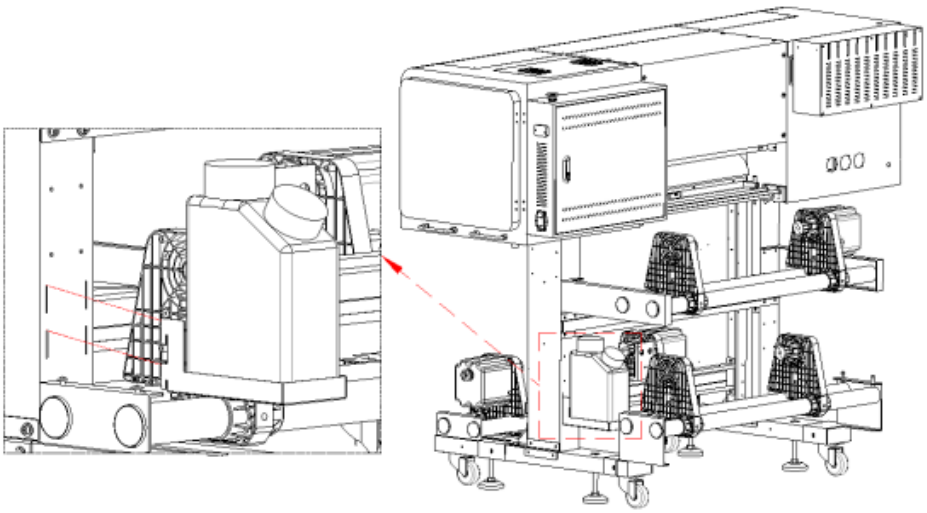


3. Secure the media holder bar using M6×30 screws.



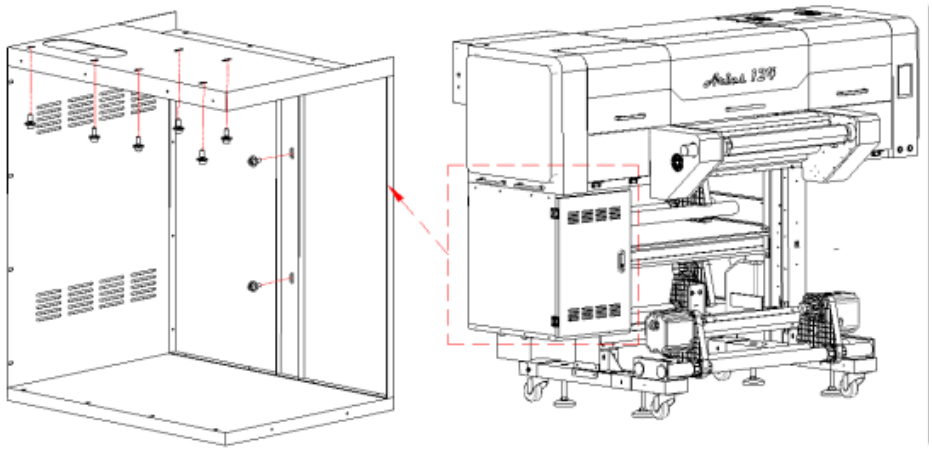
9. INSTALLING THE WASTE INK BOTTLE HOLDER

Snap the waste ink bottle bracket onto the holes in the support leg to secure it.

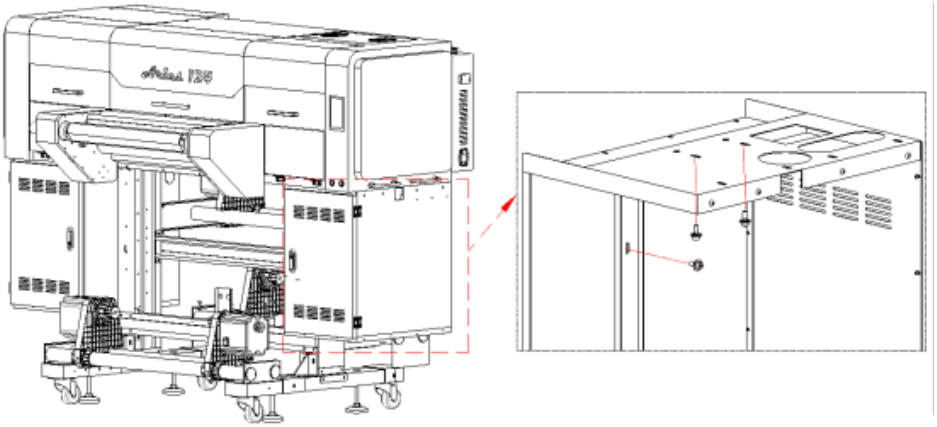


10. INSTALLING THE ENCLOSURES

Left enclosure: Use M6×16 hex socket screws to secure the right side panel of the left enclosure to the left support leg, and secure the top cover plate to the bottom plate of the printer body.

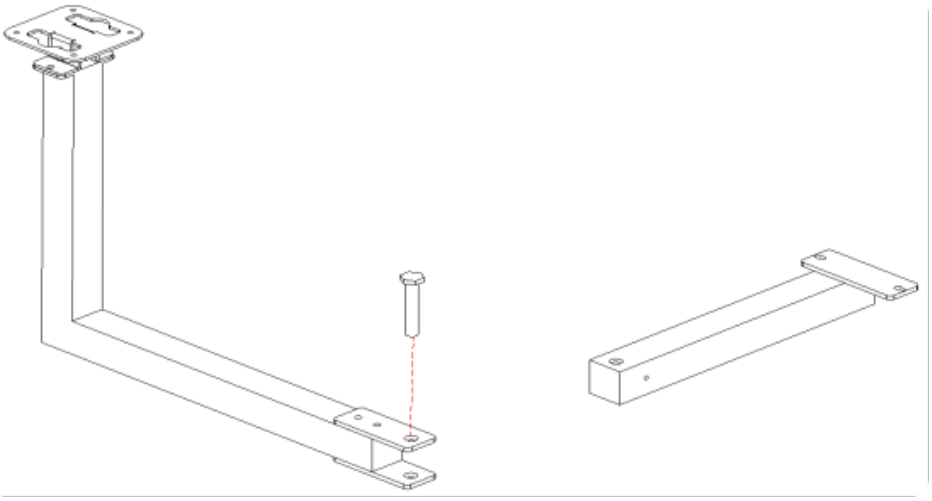


Right enclosure: Use M6×16 hex socket screws to secure the right side panel of the right enclosure to the support leg, and secure the top cover plate to the bottom plate of the printer body.

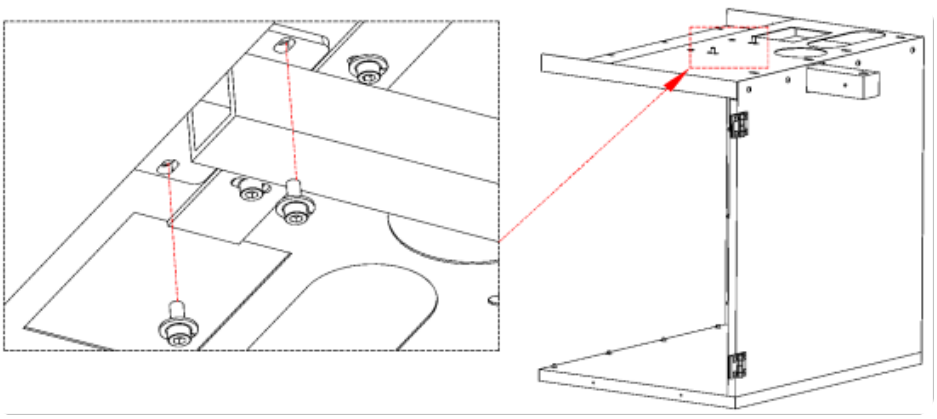


11. INSTALLING THE MONITOR SUPPORT ARM

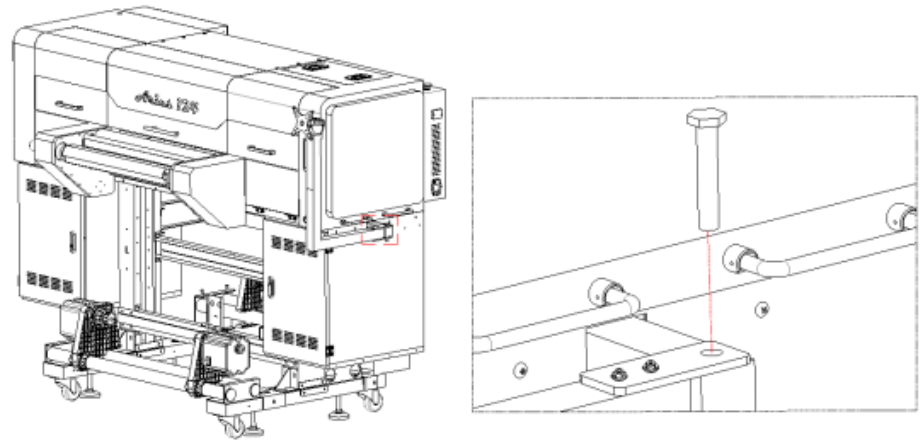
1. Use the appropriate tool to loosen the screws and separate Support Arm 1 from Support Arm 2.



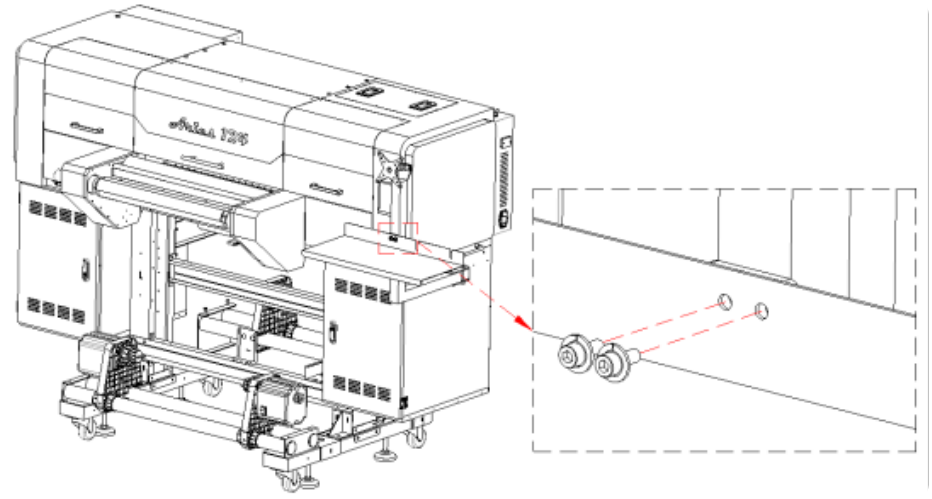
2. Pass Support Arm 2 through the right enclosure and secure it to the printer body base using M6×16 hex socket screws.



3. Install Monitor Support Arm 1 onto Support Arm 2 using the original screws.

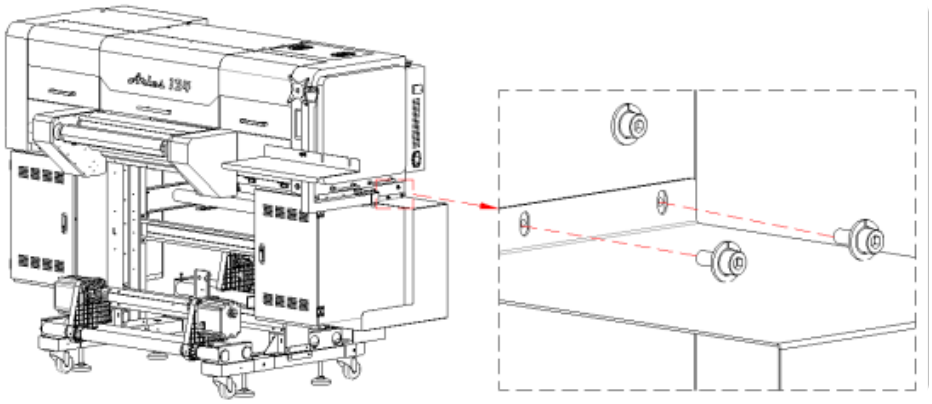


4. Install the keyboard tray.



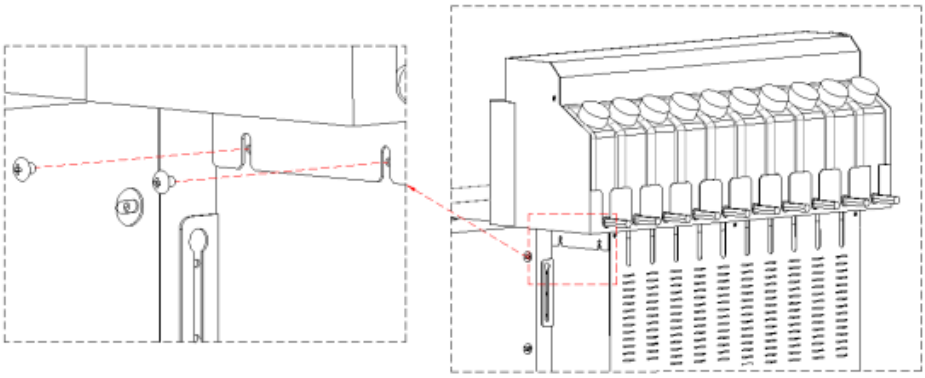
12. INSTALLING THE COMPUTER HOST TRAY

Secure it using M6×16 hex socket screws.



13. INSTALLING THE INK BOTTLES

Secure them using M4×6 large flat-head screws. The ink bottles are labeled with color stickers before shipment.

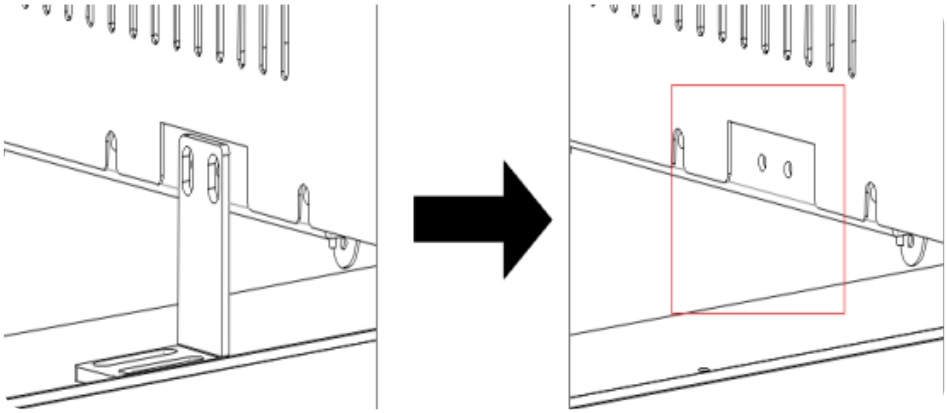


Step 3: Removing Transport Locks

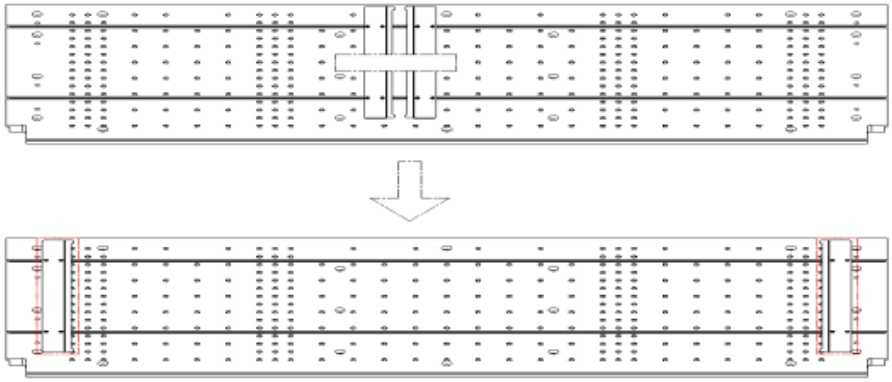
> **IMPORTANT**
>
> Remove all transport locks before powering on the machine. Failure to remove transport locks may result in malfunction or equipment damage during startup.
>
> Retain all transport locks for future use. They must be reinstalled if the machine is relocated or transported.

PROCEDURE

1. Open the front cover and remove the carriage lock.



2. Remove the media guide protective stickers and move the media guides to both sides of the platen.



Step 4: 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.

Use of damaged electrical components may result in fire or electric shock.

⚠ 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

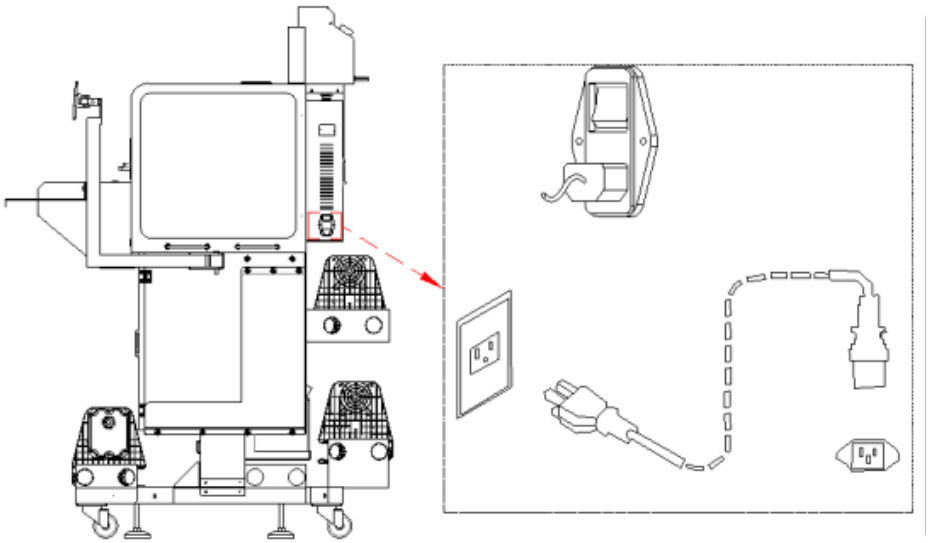
Connect the machine only to a properly rated wall outlet. Do not connect the machine directly to a power distribution panel or permanently wired electrical equipment.

Failure to comply may increase the risk of fire or electric shock.

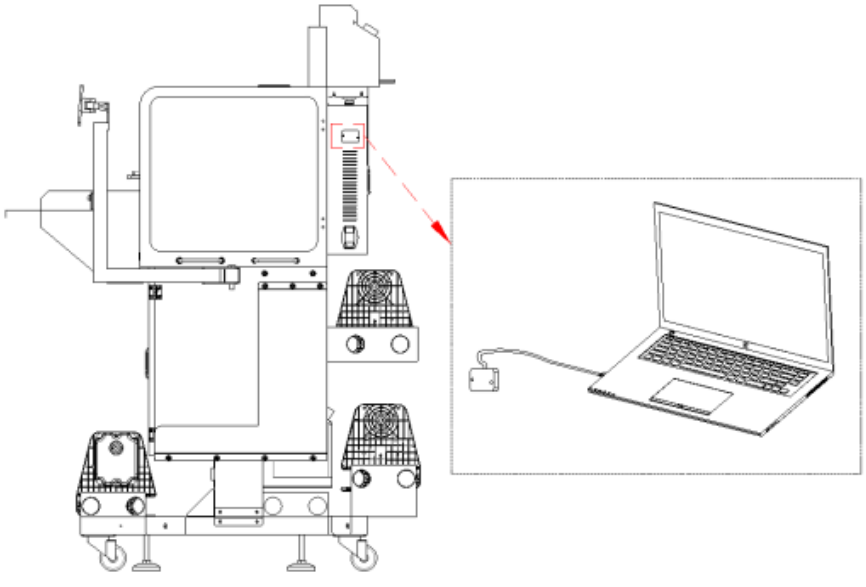
> ⚠ **WARNING**
>
> Ensure that the machine is connected to a proper protective earth (ground) connection.
>
> Grounding reduces the risk of fire or electric shock in the event of electrical leakage or equipment malfunction.

PROCEDURE

1. Connect the power cable securely to the machine first, then connect the other end to a properly grounded wall outlet.

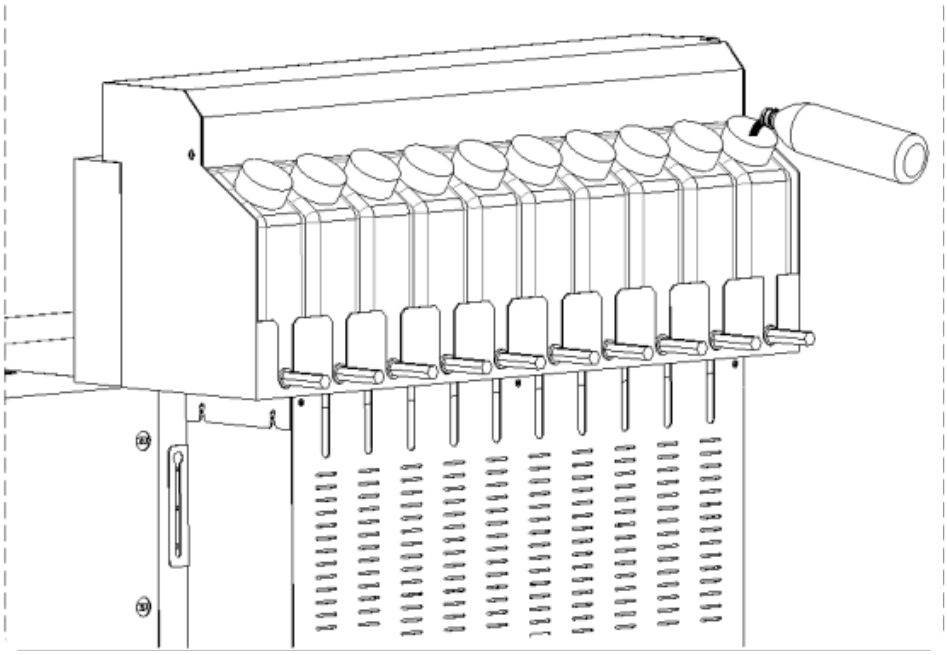


2. Connect the Ethernet cable to the computer used for operation.



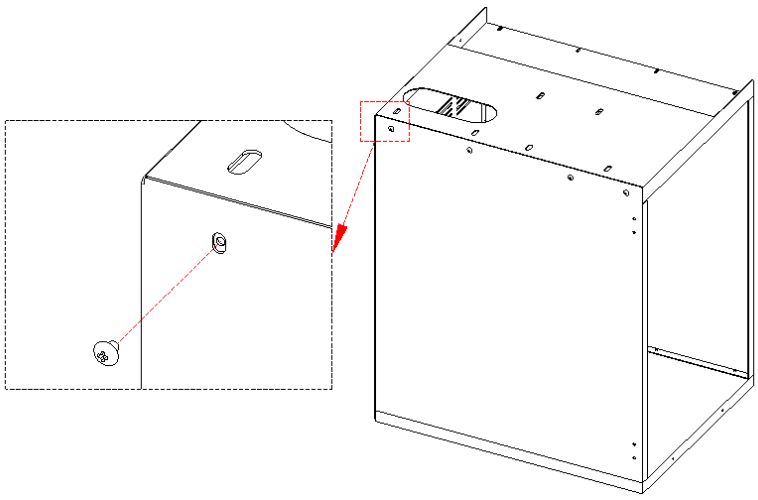
Step 5: Adding Ink

1. Match each ink bottle with the corresponding color label.



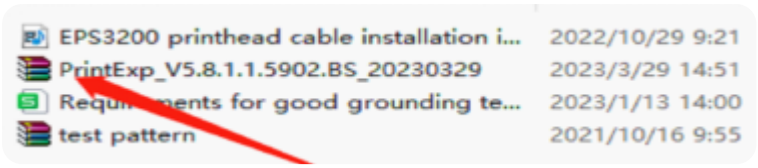
2. Shake the ink bottle thoroughly before filling.

3. Add the ink to the corresponding ink bottle according to the color label.



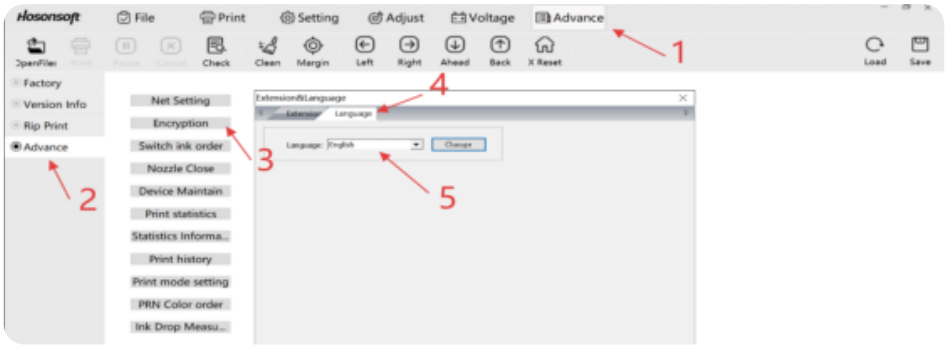
Step 6: Installing the Software

1. Insert the USB flash drive included with the machine into your computer. Copy the installation package to the computer and extract the files.

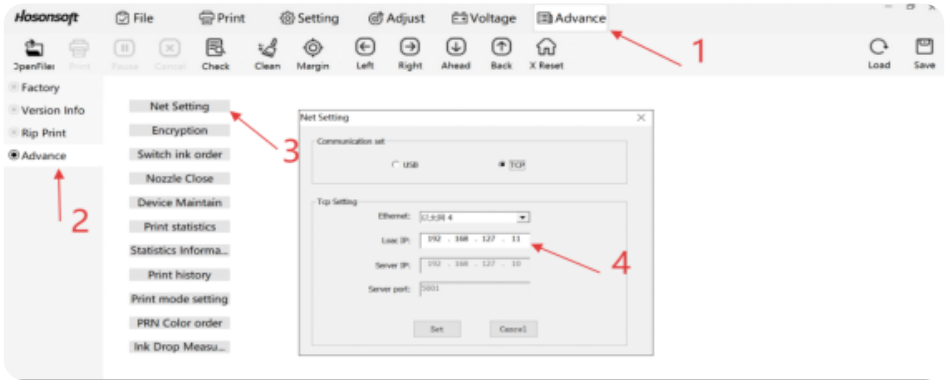




2. After the software is installed, double-click to open it and follow the on-screen instructions to configure the IP address.



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



4. Restart the software after completing all settings.

INSTALLATION AND SETUP OF THE ARIES 124 ARE NOW COMPLETE.

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

Thank you for using this product.