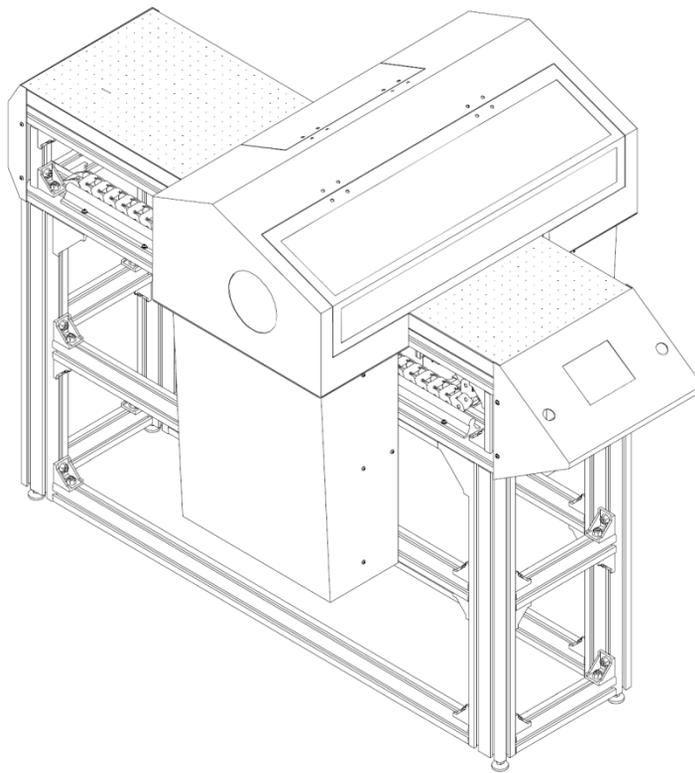


First Step Guide



Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely and store it in a safe location.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The contents of this operation manual and the specifications of this product are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprint or error, please inform us.
- Azonprinter d.o.o. assumes no responsibility for any direct or indirect loss or damage which may occur through use of this product, regardless of any failure to perform on the part of this product.
- Azonprinter d.o.o. assumes no responsibility for any direct or indirect loss or damage which may occur with respect to any article made using this product.

For the USA

FEDERAL COMMUNICATIONS
COMMISSION RADIO FREQUENCY
INTERFERENCE STATEMENT

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. Unauthorized changes or modification to this system can void the users authority to operate this equipment. Use only I/O cables that have been designed and manufactured specifically for this device

For Canada

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

For California

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm.

For EU Countries

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.

For EU Countries



Manufacturer:
Azonprinter d.o.o.

NOTICE

Grounding Instructions

- In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

- Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

- Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

- Repair or replace damaged or worn out cord immediately.

Operating Instructions

- KEEP WORK AREA CLEAN. Cluttered areas and benches invites accidents.

- DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.

- DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and like.

- REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure the switch is in off position before plugging in.

- USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

- NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

Contents



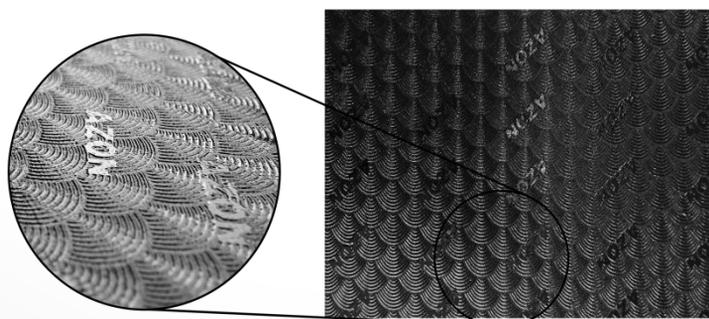
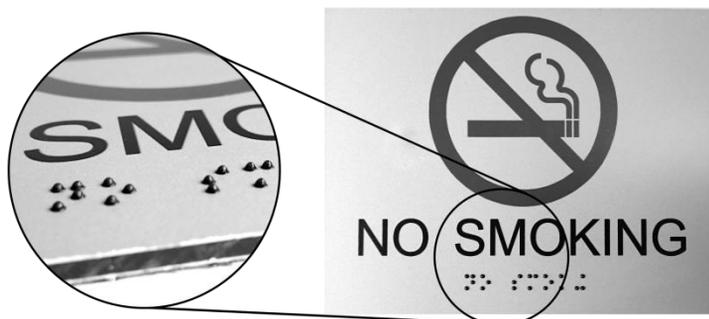
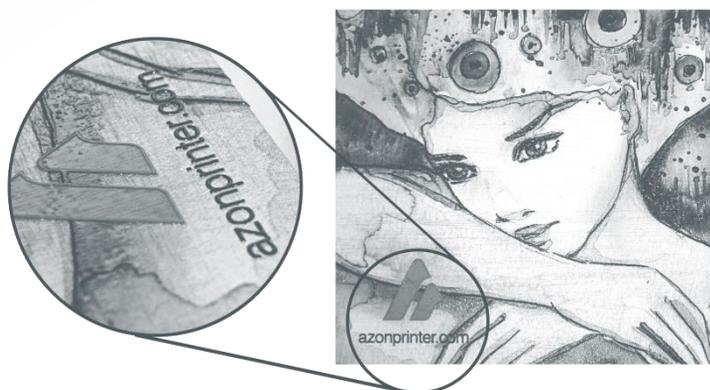
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Machine Highlights



What Can You Do

This provides an overview of what you can accomplish using this printer. The illustrations below are just a few examples of printed items using this printer.



* There is a limit to the unevenness of the print surface. For more information, see the "Master Guide."

To Ensure Safe Use



Improper handling or operation of this machine may result in injury or damage to property. Points which must be observed to prevent such injury or damage are described as follows.

About **WARNING** and **CAUTION** notices

 WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. Note: Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

	The  symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. The symbol at left means “danger of electrocution.”
	The  symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. The symbol at left means the unit must never be disassembled.
	The  symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. The symbol at left means the power-cord plug must be unplugged from the outlet.

 **WARNING** *Incorrect operation may cause injury*

 **WARNING**



Be sure to follow the operation procedures described in this documentation. Never allow anyone unfamiliar with the usage or handling of the machine to touch it.

Incorrect usage or handling may lead to an accident.



Keep children away from the machine.

The machine includes areas and components that pose a hazard to children and may result in injury, blindness, choking, or other serious accident.



Never operate the machine while tired or after ingesting alcohol or any medication.

Operation requires unimpaired judgment. Impaired judgment may result in an accident.



Never use the machine for any purpose for which it is not intended, or use the machine in an undue manner that exceeds its capacity.

Doing so may result in injury or fire.



For accessories (optional and consumable items, power cord, and the like), use only genuine articles compatible with this machine.

Incompatible items may lead to an accident.



Before attempting cleaning, maintenance, or attachment or detachment of optional items, disconnect the power cord.

Attempting such operations while the machine is connected to a power source may result in injury or electrical shock.



Never attempt to disassemble, repair, or modify the machine.

Doing so may result in fire, electrical shock, or injury. Entrust repairs to a trained service technician.

 **CAUTION**



Exercise caution to avoid being pinched or becoming caught.

Inadvertent contact with certain areas may cause the hand or fingers to be pinched or become caught. Use care when performing operations.



Never attempt operation while wearing a necktie, necklace, or loose clothing. Bind long hair securely.

Such items may become caught in the machine, resulting in injury.



Conduct operations in a clean, brightly lit location.

Working in a location that is dark or cluttered may lead to an accident, such as becoming caught in the machine as the result of an inadvertent stumble.



Never climb or lean on the machine.

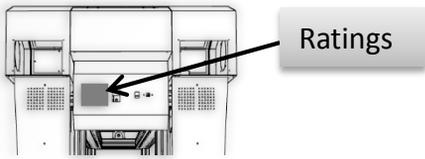
The machine is not made to support a person. Climbing or leaning on the machine may dislodge components and cause a slip or fall, resulting in injury.

⚠️ WARNING *Danger of electrical short, shock, electrocution, or fire*

⚠️ WARNING

⚠️ Connect to an electrical outlet that complies with this machine's ratings (for voltage, frequency, and current).

Incorrect voltage or insufficient current may cause fire or electrical shock.



⊘ Never use out of doors or in any location where exposure to water or high humidity may occur. Never touch with wet hands.

Doing so may result in fire or electrical shock.

⊘ Never allow any foreign object to get inside. Never expose to liquid spills.

Inserting objects such as coins or matches or allowing beverages to be spilled into the ventilation ports may result in fire or electrical shock. If anything gets inside, immediately disconnect the power cord and contact your authorized Azonprinter d.o.o. dealer.

⊘ Never place any flammable object nearby. Never use a combustible aerosol spray nearby. Never use in any location where gases can accumulate.

Combustion or explosion may be a danger.

⚠️ Handle the power cord, plug, and electrical outlet correctly and with care. Never use any article that is damaged.

Using a damaged article may result in fire or electrical shock.

⚠️ CAUTION

⚠️ When using an extension cord or power strip, use one that adequately satisfies the machine's ratings (for voltage, frequency, and current).

Use of multiple electrical loads on a single electrical outlet or of a lengthy extension cord may cause fire.

⚠️ Connect to ground.

This can prevent fire or electrical shock due to current leakage in the event of malfunction.

⚠️ Position so that the power plug is within immediate reach at all times.

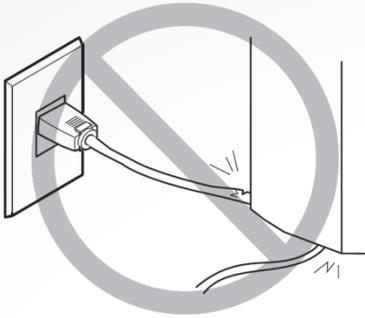
This is to enable quick disconnection of the power plug in the event of an emergency. Install the machine next to an electrical outlet. Also, provide enough empty space to allow immediate access to the electrical outlet.

⚠️ If sparking, smoke, burning odor, unusual sound, or abnormal operation occurs, immediately unplug the power cord. Never use if any component is damaged.

Continuing to use the machine may result in fire, electrical shock, or injury. Contact your authorized Azonprinter d.o.o. dealer.

⚠️ Do not use the supplied power supply cord for other products.

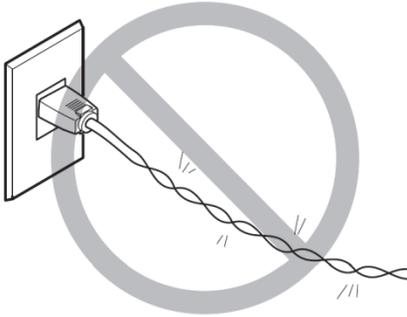
! **WARNING** Important notes about the power cord, plug, and electrical outlet



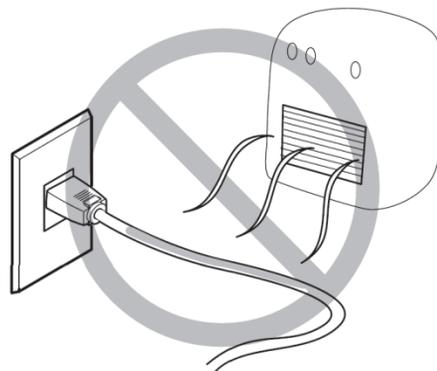
Never place any object on top or subject to damage.



Never allow to get wet.



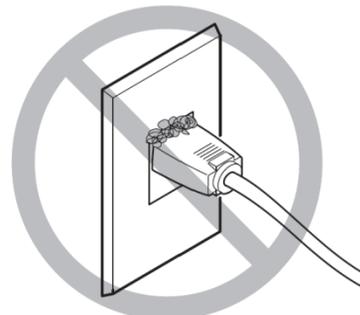
Never bend or twist with undue force.



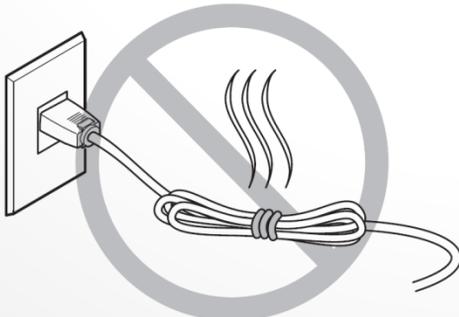
Never make hot.



Never pull with undue force.



Dust may cause fire.



Never bundle, bind, or roll up.

 **WARNING** Ink, cleaning liquid, and discharged fluid are flammable and toxic

 **WARNING**



Keep open flame away from the work area.

Ink and discharged fluid are flammable.



Never store ink, cleaning liquid, or discharged fluid in any of the following locations.

- Any location exposed to open flame
 - Any location where high temperature may occur
 - Near bleach or any other such oxidizing agent or explosive material
 - Any location within the reach of children
- Fire may be a danger. Accidental ingestion by children may pose a health hazard.



Never place an ink cartridge in fire.

Ink may flow out, catch fire, and spread fire to other nearby objects.

 **WARNING**



Never drink or sniff ink, cleaning liquid, or discharged fluid, or allow them to come in contact with the eyes or skin.

Doing so may be hazardous to the health.

 **CAUTION**



Ensure adequate ventilation for the work area.

Failing to perform ventilation may result in a health hazard or danger of combustion due to ink fumes.



Never allow an ink cartridge to be subjected to impact, and never attempt to disassemble.

Ink may leak.

 **WARNING** In the event of ingestion or physical distress

- In the event of contact with the eyes, immediately flush with water for at least 15 minutes. If eye irritation continues, seek treatment by a physician.
- In the event of contact with skin, immediately wash with soap. If irritation or inflammation occurs, seek treatment by a physician.
- In the event of ingestion, do not induce vomiting, and immediately seek treatment by a physician. Forcibly inducing vomiting may lead to danger of choking.
- If odor leads to physical distress, move to a well-ventilated location and rest quietly. If dizziness or nausea persists, seek treatment by a physician.

 **WARNING** The total weight of this machine weighs 112 kg (246.5 lbs.)

 **WARNING**



Install the machine in a location that is level, stable, and able to bear the weight of the machine.

The total weight of the machine may reach 110 kg (242.5 lbs.) or more. Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.

 **WARNING**



Unloading and emplacement are operations that must be performed by 4 persons or more.

Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

 **WARNING** This machine uses ultraviolet light

 **CAUTION**

 **Never look at the blue-white (ultraviolet) light emitted from the print-head area for an extended time.**

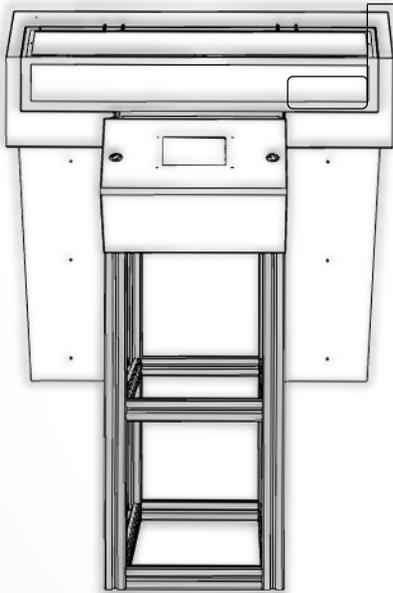
Looking directly at the ultraviolet light from up close for an extended period may result in eye injury.

 **WARNING** Ultraviolet Light

This machine is fitted with covers to keep external leakage of ultraviolet light at low levels, but incorrect handling or operation can lead to physical injury due to ultraviolet light. The extent of injury depends on the intensity and wavelength of the ultraviolet light, and the length of time of exposure. Prolonged exposure to strong ultraviolet light of hazardous wavelengths can cause injury to the eyes or skin. Exercise caution.

 **CAUTION** Warning Labels

Warning labels are affixed to make areas of danger immediately clear. The meanings of these labels are as follows. Be sure to heed their warnings.



 **Caution: Ultraviolet Light**
Never look directly from up close for a prolonged period.

 **Caution: Pinching Hazard**
Be careful not to allow the fingers to become pinched when closing covers.

CLASS 1 LASER PRODUCT
クラス 1 レーザ製品
Complies with IEC 60825-1 Ed. 2.0 (2007-03).
Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No.50 dated June 24, 2007.

 **Flammable**
Ink and discharged fluid are flammable. Keep away from open flame.

 **Ink Is Toxic**
Ink and discharged fluid are toxic. Avoid contact with the body. Use only in a well ventilated area.

Important Notes on Handling and Use



This machine is a precision device. To ensure the full performance of this machine, be sure to observe the following important points. Failure to observe them may not only result in loss of performance, but may also cause malfunction or breakdown.

Printer Unit

This machine is a precision device.

- Handle carefully, and never subject the machine to impact or excessive force.
- Never needlessly put your hand or fingers inside the cover, the ink-cartridge ports, or other internal areas of the machine.

Install in a suitable location.

- Install in a location having the specified temperature and relative humidity.
- Install in a quiet, stable location offering good operating conditions.

Open and close the front cover gently.

- If you do not open and close the front cover gently, it may get broken or you may be injured.



The printing head and the UV emitter are delicate devices.

- Never needlessly touch or allow media to scrape them. Failure to handle with care may cause damage.
- The print head may be damaged if allowed to dry out. The machine prevents desiccation automatically, but improper operation may render this feature inoperative. Operate properly, as specified in this manual.
- Never allow the machine to stand with an ink cartridge removed. Remaining ink in the printer may harden and clog the print head.
- The print head are components that wear out. Periodic replacement is required, with the frequency of replacement depending on use.

Ink Cartridges

Ink cartridges come in various types.

- Use a type that is compatible with the printer. Also, be sure to use only genuine items from Azonprinter d.o.o.

Never subject to impact or attempt to disassemble.

- Never drop or shake forcefully. The impact may rupture the internal pouch and cause the ink to leak.
- Never attempt to disassemble.
- Never attempt to refill the ink.
- If ink gets on your hands or clothing, wash it off as soon as possible. Removal may become difficult if allowed to stand.

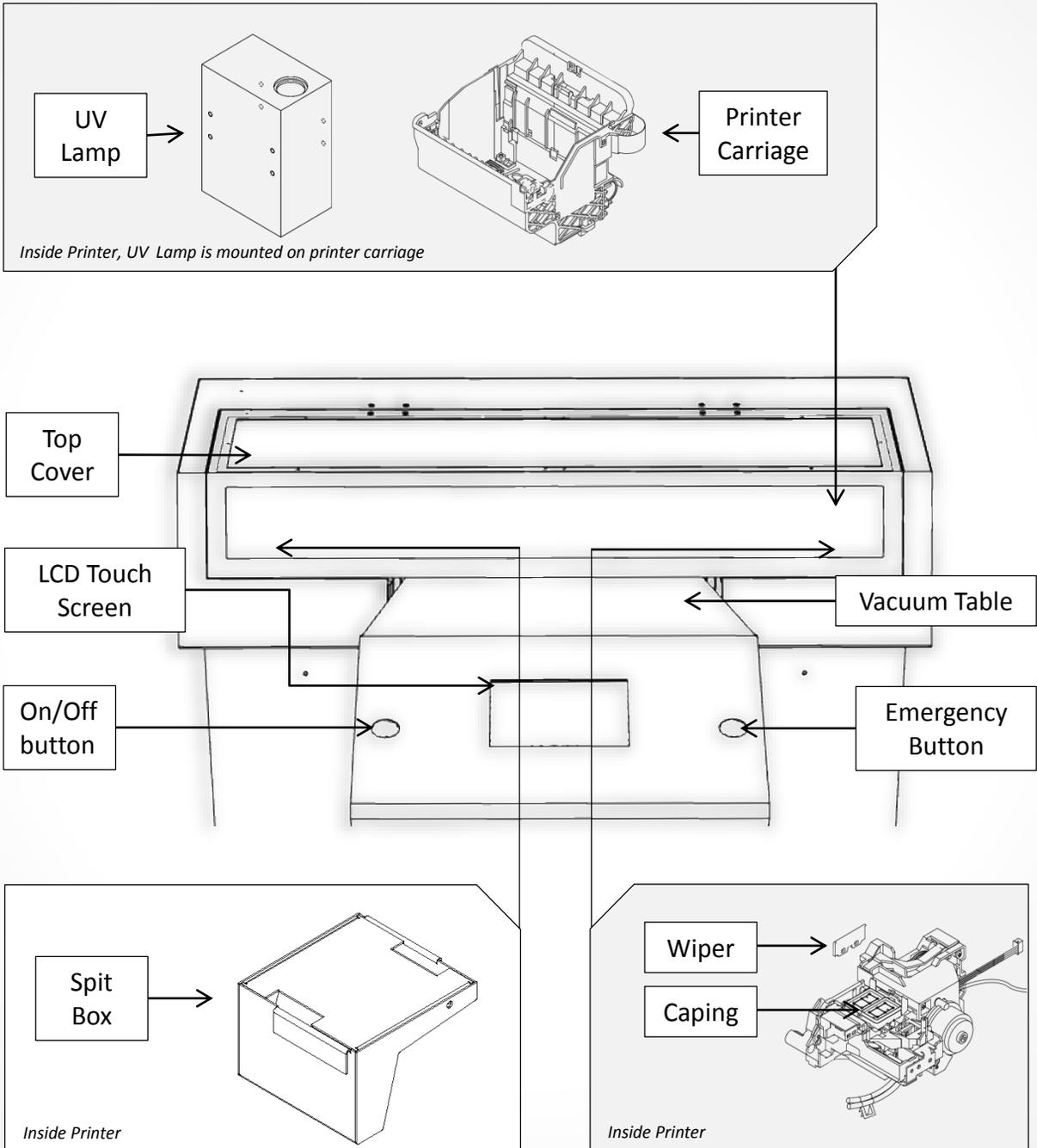
Storage

- Use up the ink before the expiration date printed on the ink cartridge.
- Store the ink cartridge in a location avoiding direct sunlight or strong illumination.
- Store the ink cartridge unopened in a well ventilated location at a temperature of over 5°C (41°F) and under 35°C (95°F) and relative humidity of 20 to 80%.

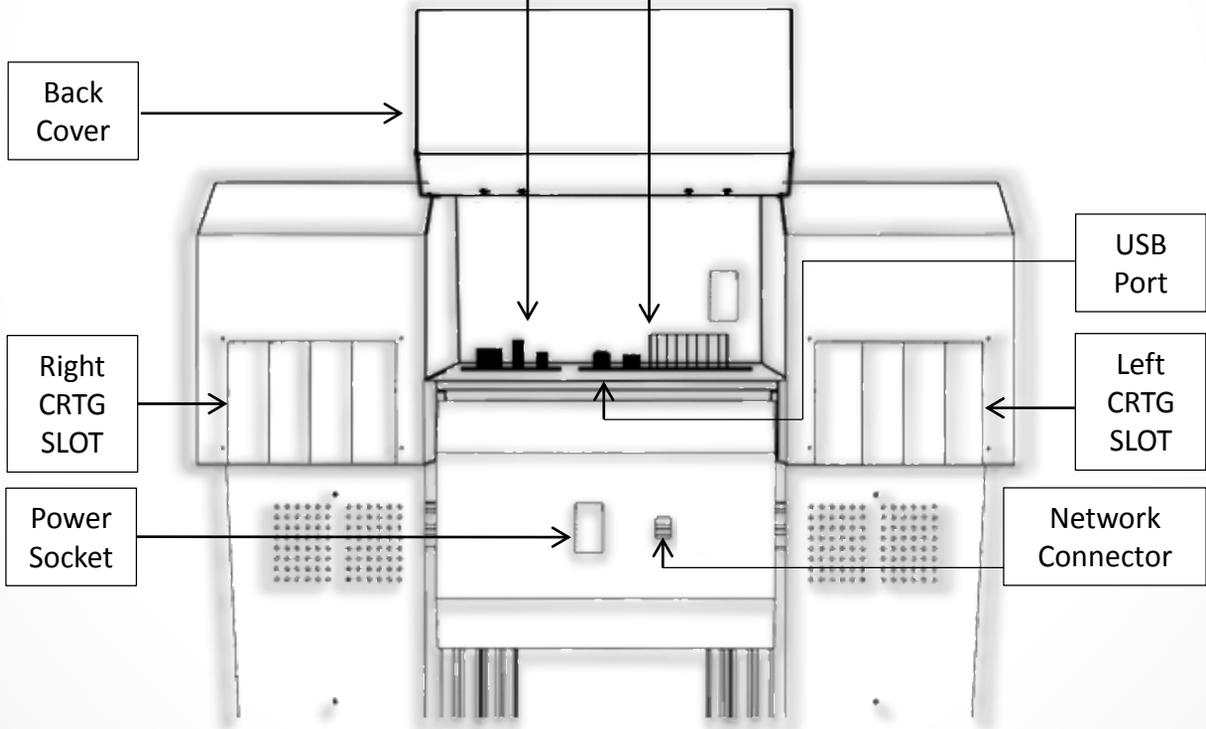
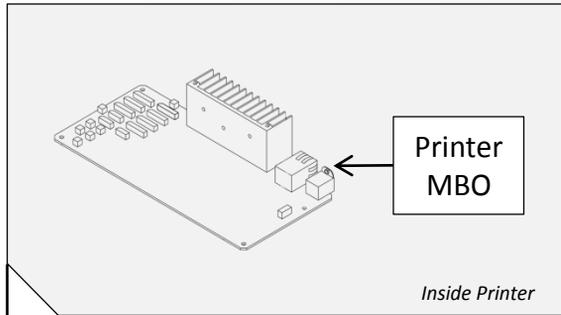
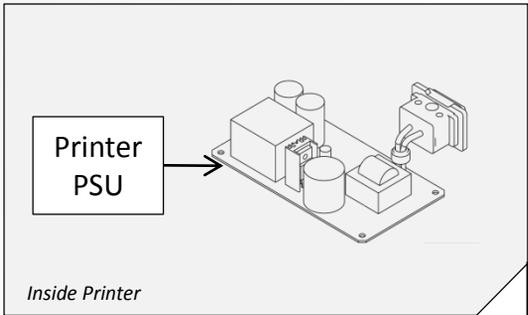
Part Names and Functions



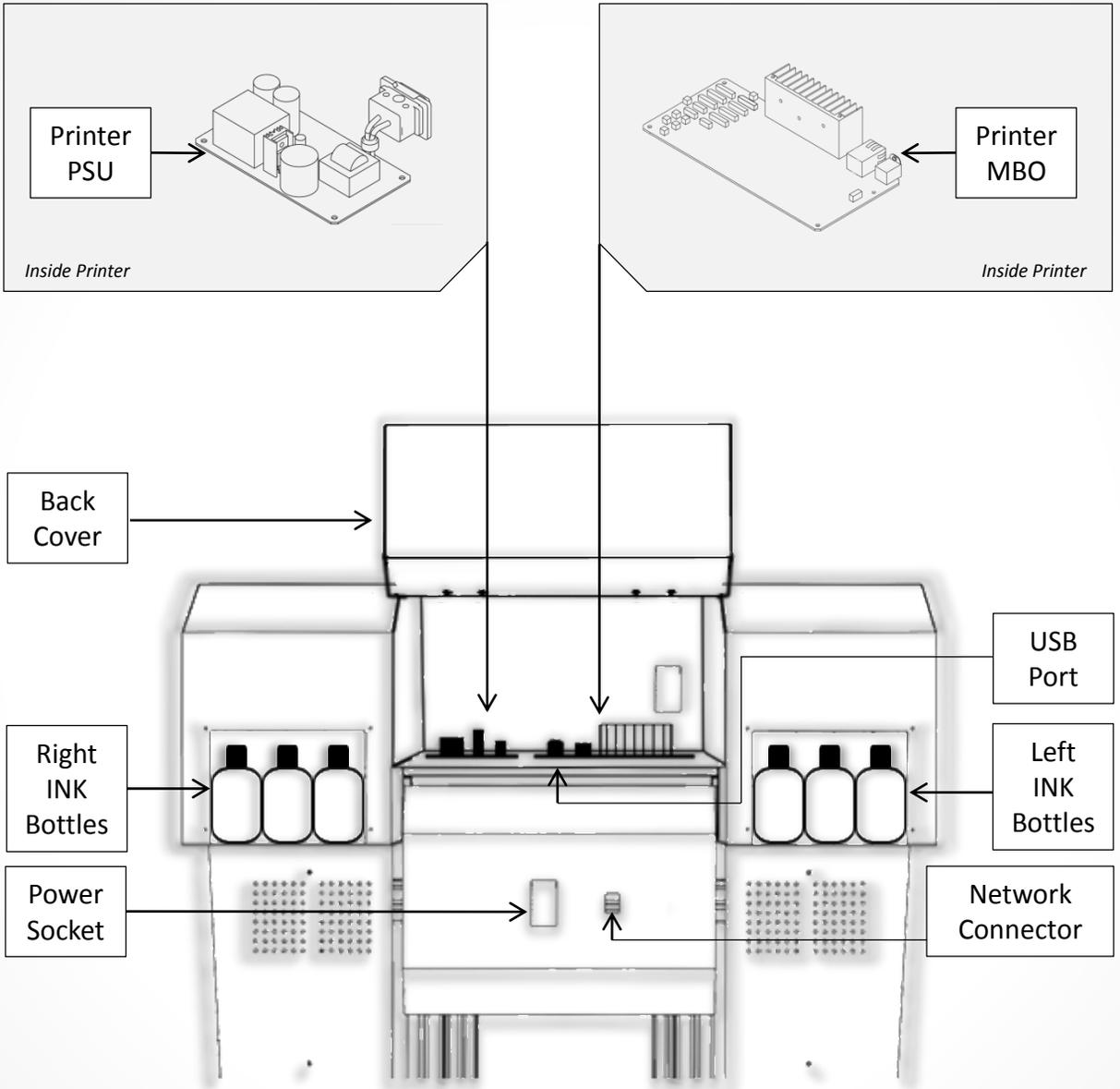
Printer Unit , Front



Printer Unit , Rear

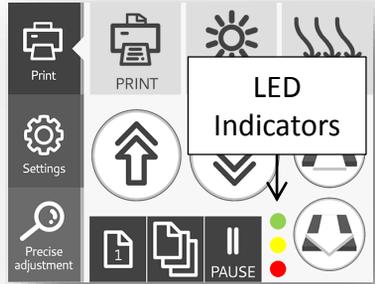


Printer Unit , Rear



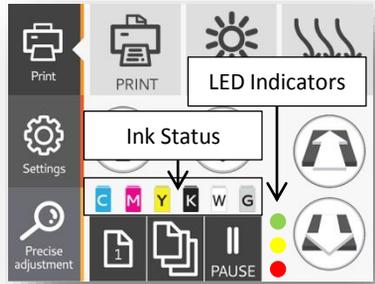
LCD Touch Display , Indicators

Green	Yellow	Red	Status
Flashing	Off	Off	Power On / Cleaning / Printer busy / Printing
Solid	Off	Off	Printer Ready
Flashing	Solid	Off	Ink Reset, please wait if machine stuck in this cyclus [it should not took more then 5 minutes] restart printer
Off	Flashing Paralel with red	Flashing Paralel with yellow	General Error , restart printer if status remains unchanged contact offical azonprinter technical staff.
off	Flashing Oposite from red	Flashing Oposite from yellow	Pause , please wait
Flashing Oposite from red	Off	Flashing Oposite from Green	Press [Print] button , printer out of sync



LCD Touch Display , Indicators Bottle Option

Green	Yellow	Red	Status
Flashing	Off	Off	Power On / Cleaning / Printer busy / Printing
Solid	Off	Off	Printer Ready
Flashing	Solid	Off	Ink Reset, please wait if machine stuck in this cyclus [it should not took more then 5 minutes] restart printer
Off	Flashing Paralel with red	Flashing Paralel with yellow	General Error , restart printer if status remains unchanged contact offical azonprinter technical staff.
off	Flashing Oposite from red	Flashing Oposite from yellow	Pause , please wait
Flashing Oposite from red	Off	Flashing Oposite from Green	Press [Print] button , printer out of sync



Ink Status



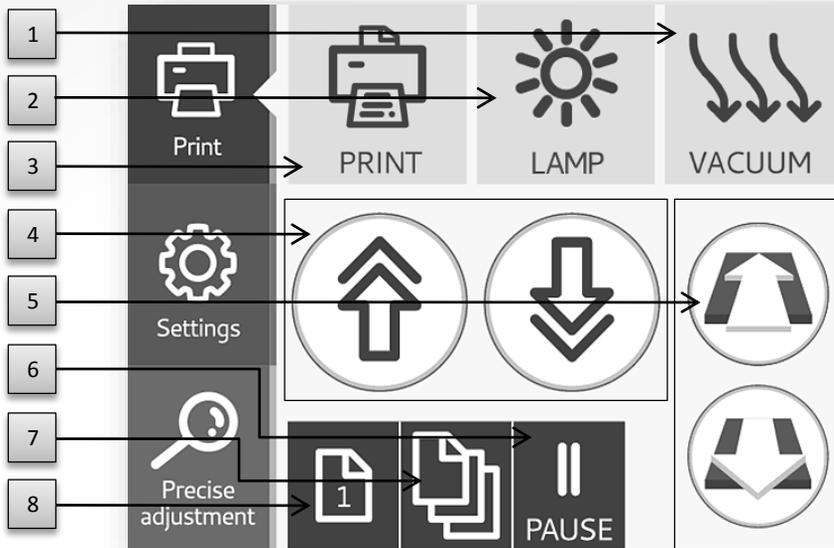
Ink full or more then 50 %

→



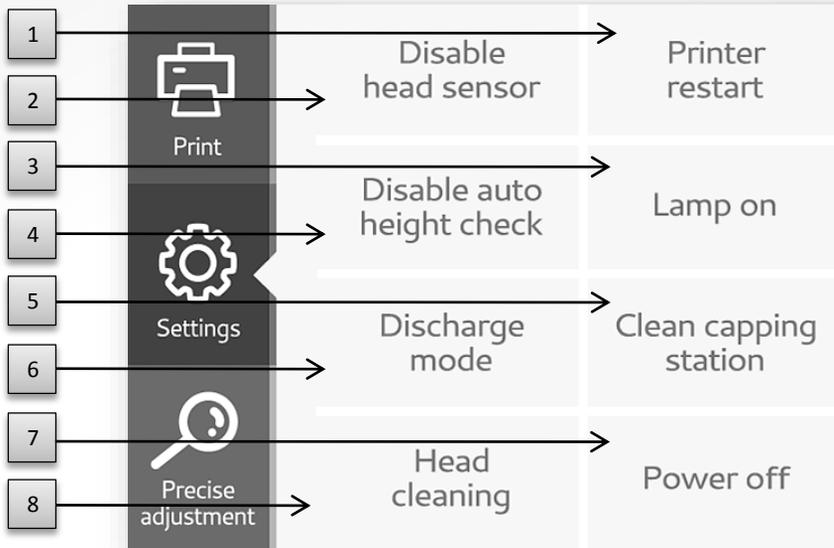
Ink low , less then 50%

LCD Touch Display , Main Menu



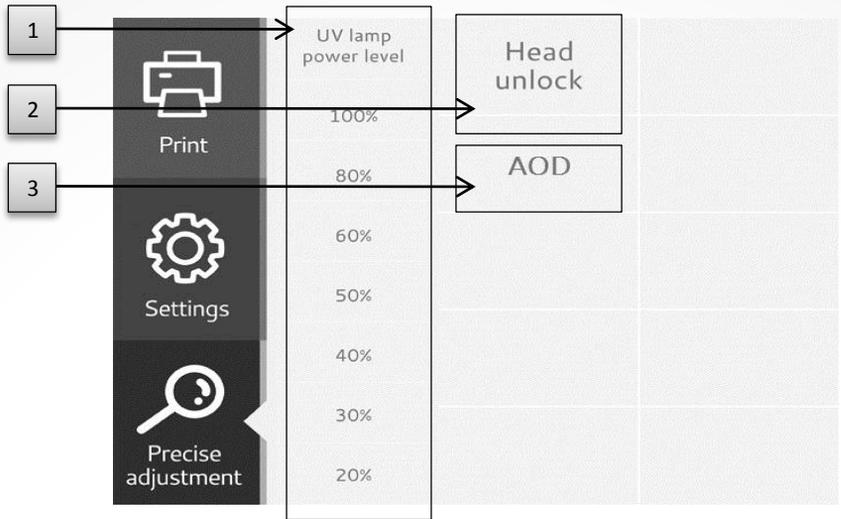
Number	Key Name	Function
1	[Vacuum on/off]	Turns the vacuum on and off [Orange button indicate that function is on , gray button means its off]
2	[Auto lamp on/off]	Turns the Auto lamp on and off [Orange button indicate that function is on , gray button means its off.] If the auto lamp is on , lamp will work only during the print.
3	[Print mode on/off]	Sets the printer in print mode , printer unit will go forward till it reach rear EM sensor. Once in print mode user cannot move printer forward backward.
4	[Moving gantry up/down]	Moving printer unit up/down [adjusting distance between print head and printable object.]
5	[Moving gantry forward/backward]	Moving printer unit forward/backward.
6	[Single layer printing mode]	Single layer printing mode [used when printing in inline or just one layer]
7	[Two or more passes]	Two or more passes [if printing white and color or color and gloss layer sepatly]
8	[Pause]	Pause, can be use to stop machine during the print to adjust distance between print head and printable object.

LCD Touch Display , Setting Menu



Number	Key Name	Function
1	[Printer restart]	Press and hold until it blinks . Most commonly used to restart printer if printing output is not as it need to be [color mismatch, position, etc...]
2	[Disable head sensor]	Command will deactivate laser sensors for automatic height check . User need to adjust height manually. <div style="border: 1px solid black; padding: 2px; display: inline-block;"> WARNING </div> If not handle with care there is a risk of hitting the print head or crush print unit into the table. [warranty will not be accepted in this case]
3	[Manually turning the lamp on/off]	Manually turning the lamp on/off printer does not need to be in print mode for lamp to work.
4	[Disable auto height check]	Disable auto height check function [Once activated print mode machine will automatically check for objects on the table and adjust height accordingly , this command will deactivate that feature.]
5	[Clean capping station]	Command which will rise the printing unit up and unlock carriage [used in maintenance]
6	[Discharge mode on/off]	Discharge mode need to be on , only exception is when preforming nozzle check.
7	[Power off]	Power off [hold until button blink and follow the instructions on the screen]
8	[Head cleaning]	Command will activate head cleaning [hold until button blink]

LCD Touch Display , Precise Adjustment Menu



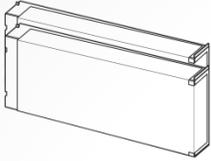
Number	Key Name	Function
1	[UV lamp power levels]	UV lamp output power adjustment [depends on printbale material]
2	[Head Unlock]	Unlocks the Carriage. It is possible to move head physically to inspect distance from Printhead to printing object.
3	[AOD]	Initiates White ink circulation system.

Before Using This Printer



STEP 1: Included Items

The following items are packed together with the unit. Make sure they are all present and accounted for.



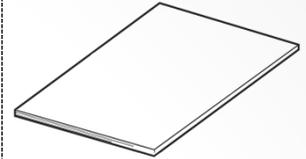
Ink Crtgs [220mL]



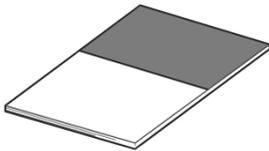
Cleaning liquid 250ml



Print head cleaning liquid 250ml



Calibration plate (32 x 60 cm)



Nozzle check sheet (21 x 15 cm)



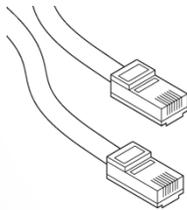
Cleaning sticks



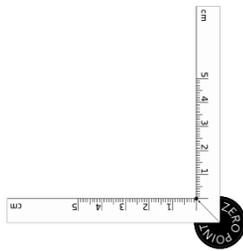
Tube for connect syringe and damper



Digital Scale



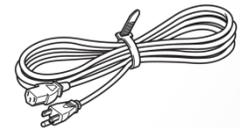
CAT5 UTP Patch cable 10m



Zero position yellow markings



UV protective glasses



Power cable



DVD with Software & documentation



RIP Software



Hygrometer & Termometer

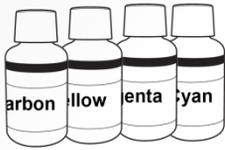
Before Using This Printer

Bottle Option



STEP 1: Included Items

The following items are packed together with the unit. Make sure they are all present and accounted for.



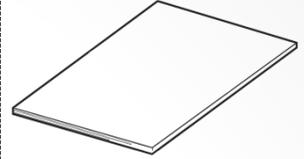
Ink Bottles (500 mL)



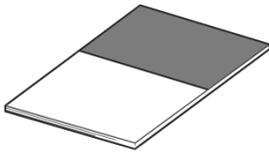
Cleaning liquid 250ml



Print head cleaning liquid 250ml



Calibration plate (32 x 60 cm)



Nozzle check sheet (21 x 15 cm)



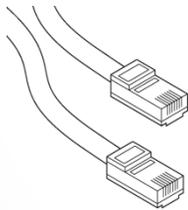
Cleaning sticks



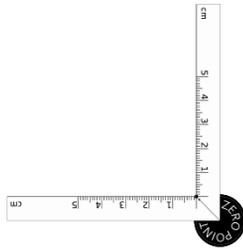
Tube for connect syringe and damper



Digital Scale



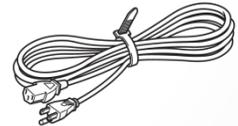
CAT5 UTP Patch cable 10m



Zero position yellow markings



UV protective glasses



Power cable



DVD with Software & documentation



RIP Software



Hygrometer & Thermometer



Plastic Gloves

STEP 2: Deciding on an Installation Site

Information is provided in “To Ensure Safe Use” (p. 5). Be sure to read this guide prior to installing or connecting the printer.

Install in a quiet, stable location offering good operating conditions. An unsuitable location can cause accident, fire, faulty operation, or breakdown.

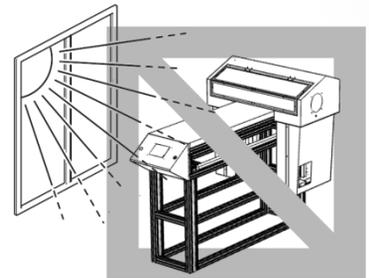
WARNING

- Ensure adequate ventilation for the work area.
- Failing to perform ventilation may result in a health hazard or danger of combustion due to ink fumes.

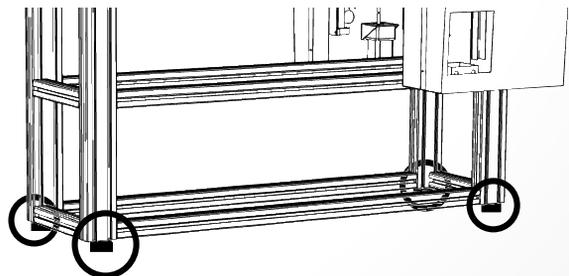
Unsuitable installation sites

Following locations can cause malfunction or poor printing quality.

- Locations subject to large fluctuations in temperature or humidity
- Locations subject to shaking or vibration
- Locations where the floor is tilted, not level, or unstable
- Dusty locations
- Locations exposed to direct sunlight
- Locations near air-conditioning or heating equipment
- Locations exposed to water or moving air
- Locations exposed to considerable electrical or magnetic noise, or other forms of electromagnetic energy



When you install the machine, check that all the four rubber feet of the machine contact the ground. If any of the rubber feet does not contact the ground, you can adjust its height by rotating it. [wrench 13 , metric is needed]



Temperature and humidity

Maintain the specified temperature and humidity even when the machine is not in use. If temperatures are too high or too low, it may cause malfunction.

Status of This Machine	Temperature	Humidity
During operation	20–32 degrees centigrade 68–90 degrees Fahrenheit	35–80%RH (no condensation)
During non-operation:	5–40 degrees centigrade 41–104 degrees Fahrenheit	20–80%RH (no condensation)

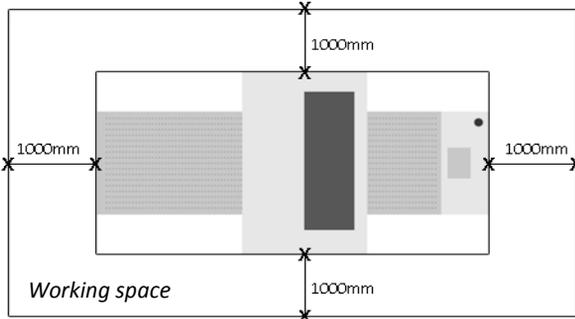
Air Ventilation

This machine emits a small amount of volatile compounds during printing and for some time after printing, which may cause irritation of your eyes, nose, and throat. To use this machine, make sure to install ventilating equipment for adequate ventilation.

For installation of a ventilation machine, contact us or your authorized Azonprinter d.o.o. dealer.

Installation Space and Height

The space shown in the figure is required in order to use this machine.



CAUTION

This machine weighs 110 kg (242.5 lbs.). Four or more persons should perform installation holding the four corners of the printer.

Metric Scale

Crated dimensions (Razor Hale)	Width: 930mm
	Length 1550mm
	Height: 1320mm
Uncrated dimensions (Razor Hale)	Width: 800mm
	Length 1450mm
	(closed hood) Height: 1110mm
	(open hood) Height: 1310mm
Net weight (Razor Hale)	112Kg

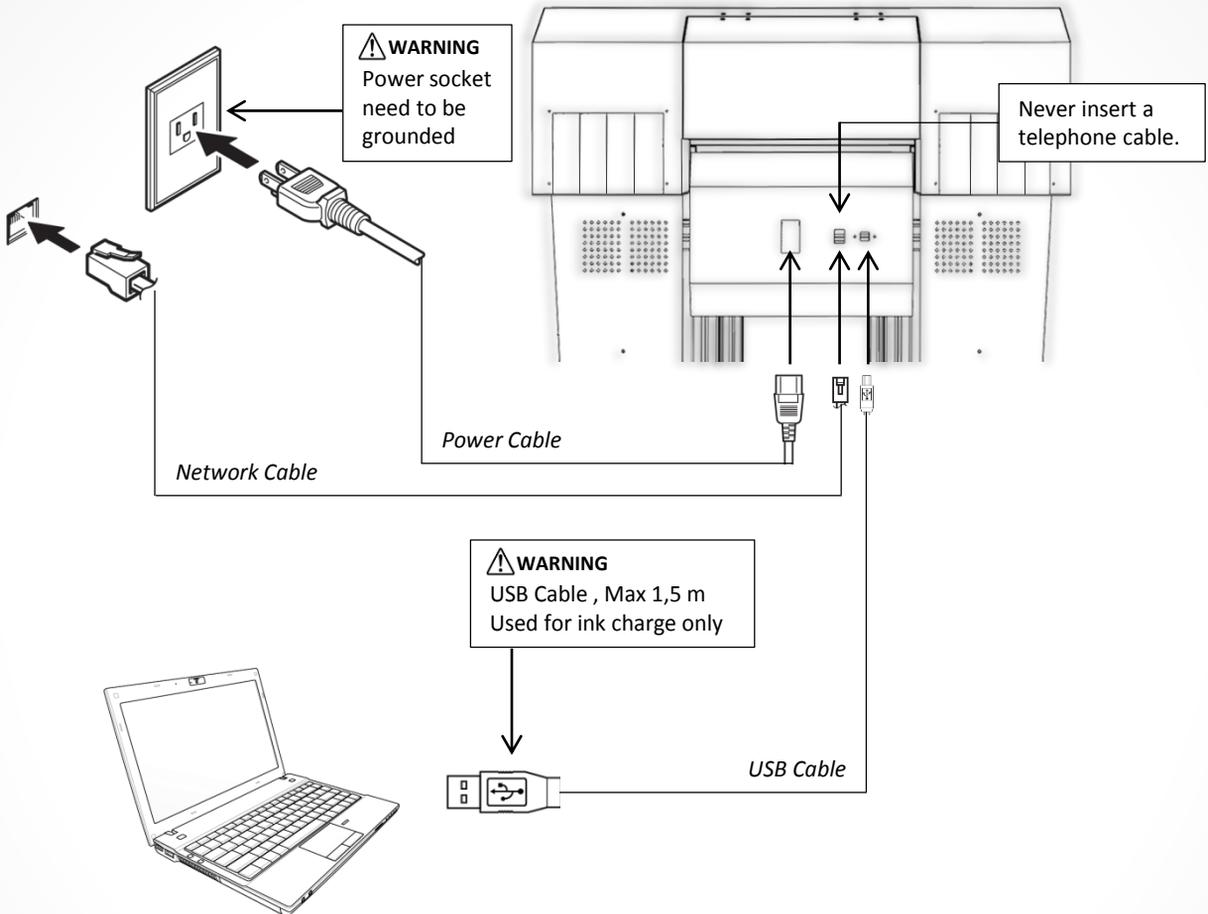
Inch Scale

Crated dimensions (Razor Hale)	Width: 36.61 Inches
	Length: 61.02 Inches
	Height: 51.96 Inches
Uncrated dimensions (Razor Hale)	Width: 31.49 Inches
	Length: 57.08 Inches
	(closed hood) Height: 43.70 Inches
	(open hood) Height: 51.57 Inches
Net weight (Razor Hale)	246.91 lbs.

STEP 3: Connecting the Cables

WARNING

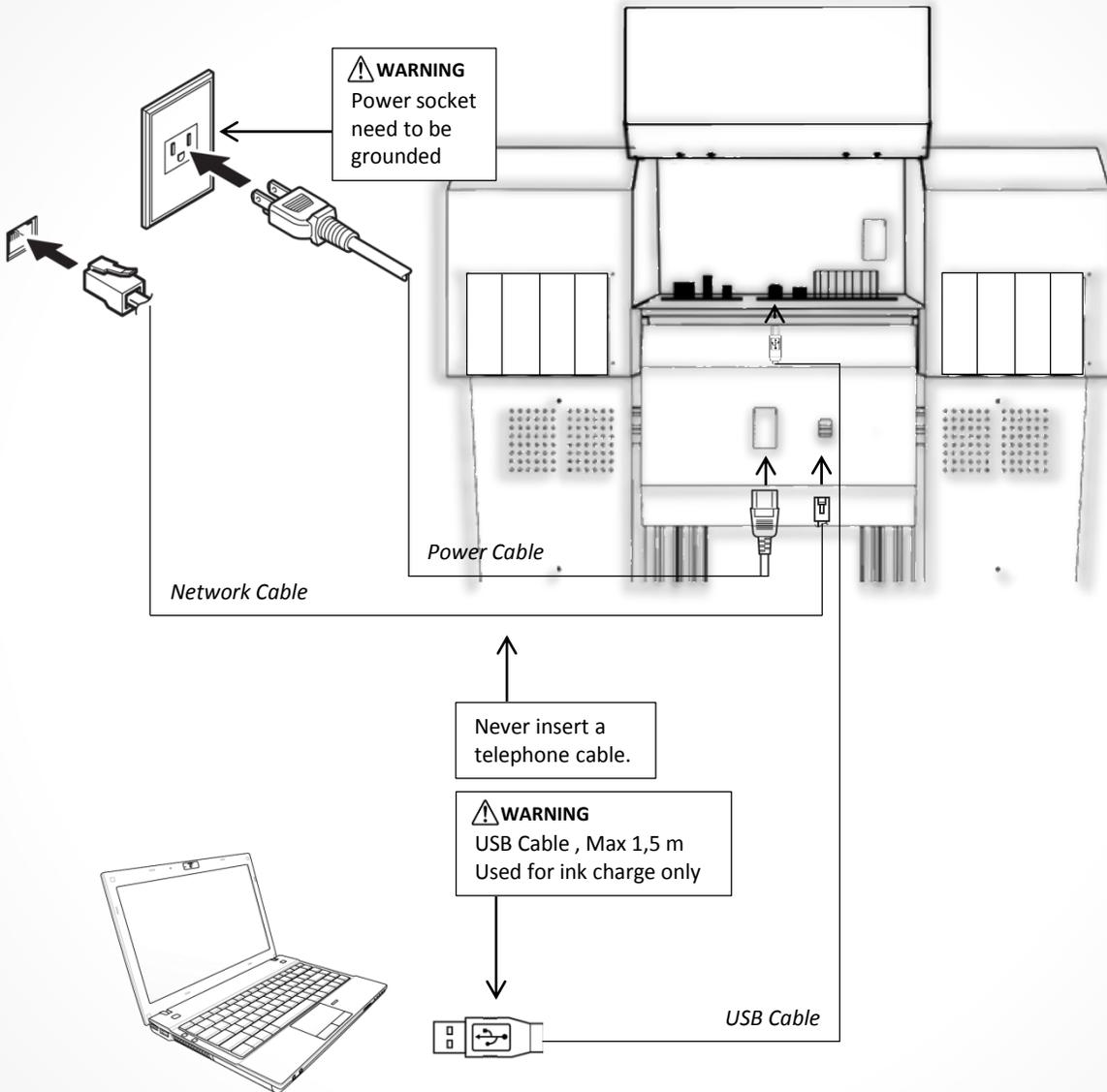
Perform this task with all power switches left switched off. Otherwise sudden movement of the machine may cause injury.



STEP 3: Connecting the Cables

WARNING

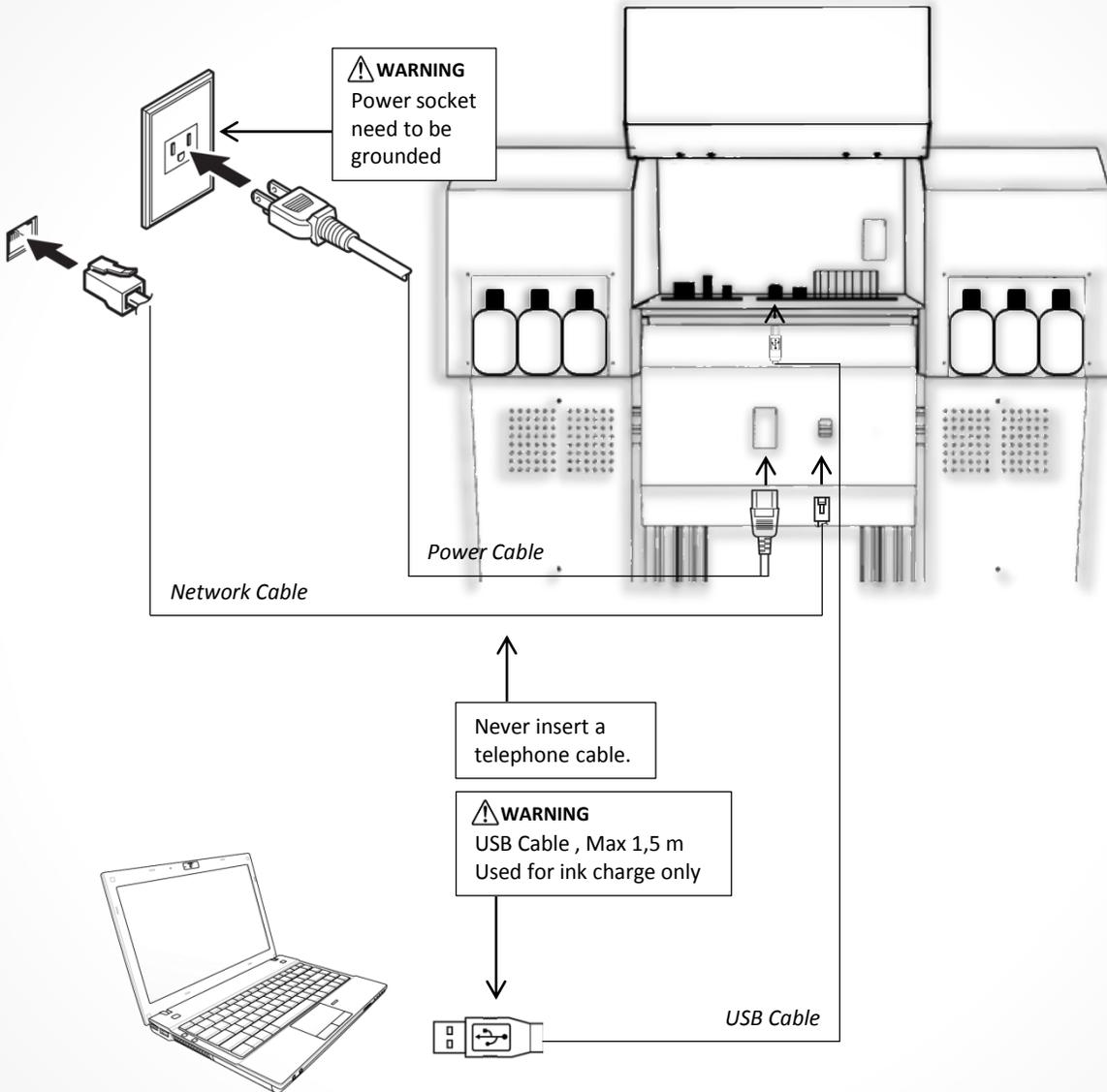
Perform this task with all power switches left switched off. Otherwise sudden movement of the machine may cause injury.



STEP 3: Connecting the Cables

WARNING

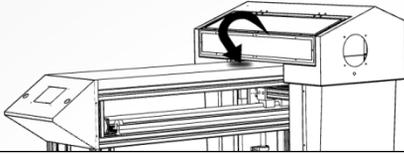
Perform this task with all power switches left switched off. Otherwise sudden movement of the machine may cause injury.



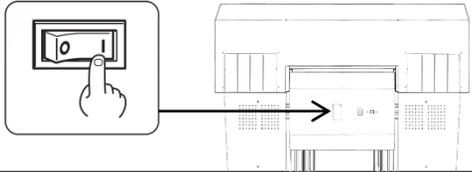
STEP 4: Make the Initial Settings

1. Close the front cover.

Close it gently.



2. Turn on the main power switch.

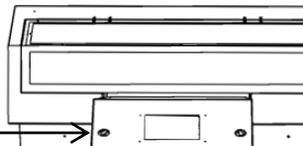


3. Turn on front power switch.

⚠ CAUTION

Printer unit will automatically move back

front power switch



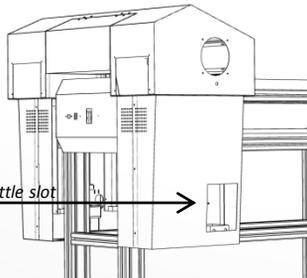
4. Make sure that the drain bottle is installed properly.

⚠ CAUTION

While empty flip bottle upside down to check float when upside down LCD screen should show warning that bottle is full



waste bottle slot

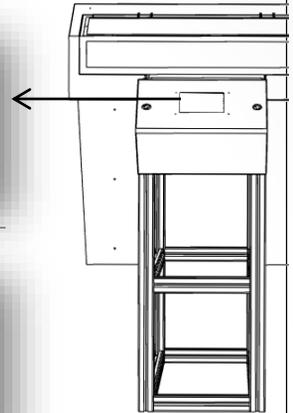


5. Make sure that printer is ready .

Solid green light on LCD touch screen indicates that printer is in idle state. [p 15]



Bottle Option



STEP 5: Filling with Ink for the First Time

Firstly, make sure print head is flushed with air prior to ink fill . [only certified azonprinter d.o.o. staff should do that] Use syringe and connect it with print head , push the air thru it and make sure there is no blockage inside print head. On the first push from each channel transport fluid should go out. [thru each channel push approximatly 100 ml of air]



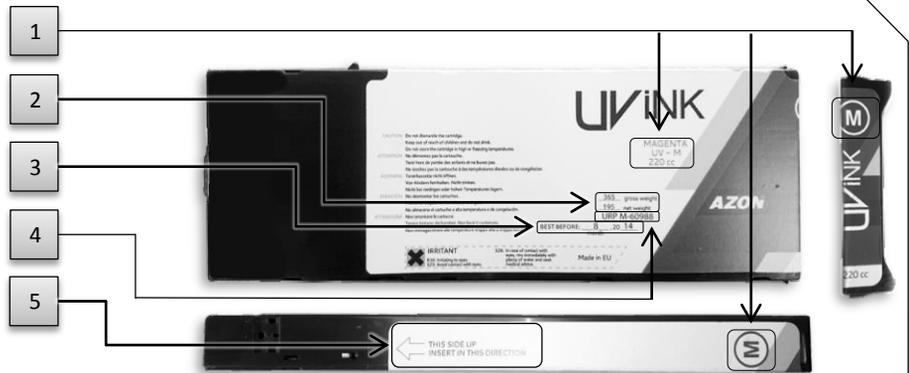
WARNING

Never, under any circumstances, use anything other than the specified type of ink or cleaning liquid. Non genuine azon ink or cleaning fluid may lead to machine malfunction and loss of warranty.

Installing the Ink Cartridges

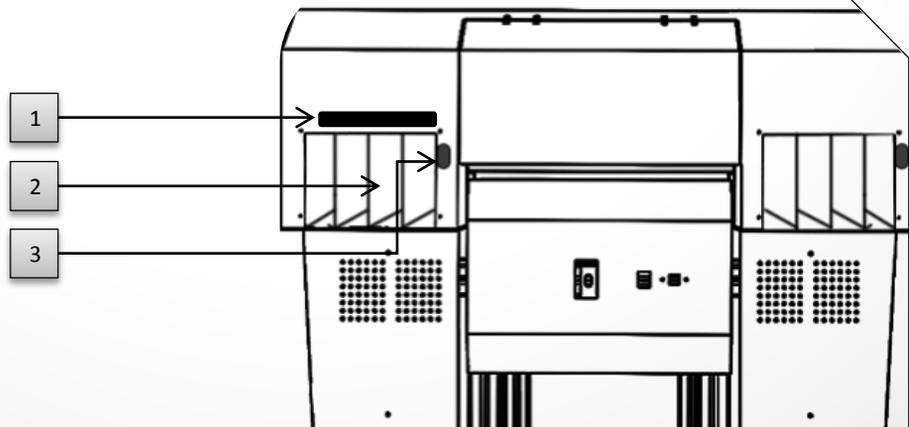
Insert each color ink cartridge into the slot labeled with the matching color. If an incorrect cartridge is inserted, it may result in breakdown of this machine. If you insert an incorrect cartridge by mistake, contact us or your authorized Azonprinter d.o.o. dealer.

1. Color Name
2. Gross/Net Weight
3. Expiration Date
4. Batch NO.
5. Insert direction



Ink Cartridge

1. Ink Identification Stickers
2. Ink Cartridge Slots
3. Ink Cartridge Lock/Release Levers

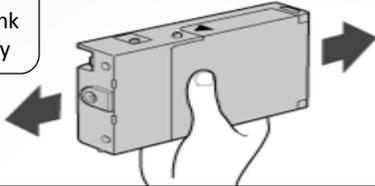


Position of slots & stickers

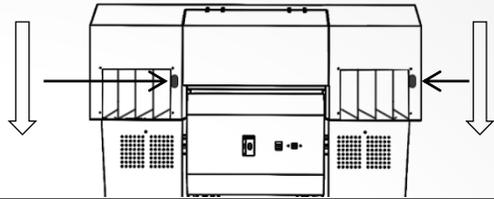
Before Using This Printer

1. Before inserting the cartridges, you must shake the white ink cartridges. Shake white ink cartridges back and forth horizontally for about 1 minute each.

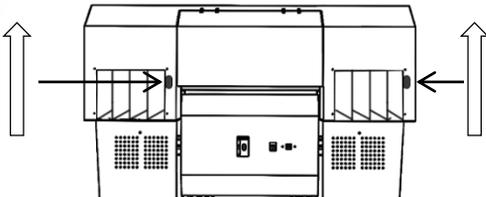
CAUTION
Shake white ink cartridges only



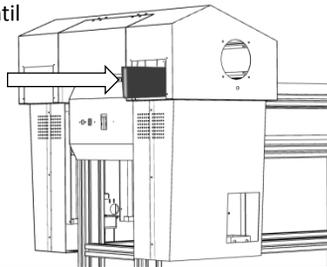
3. When all the cartridges are installed, lower both ink levers. When the cartridges are installed correctly they will stick out 133 mm from printer, they do not insert completely into the machine .



2. Lift BOTH ink levers, You cannot insert the cartridges unless the levers are lifted



3. Hold the cartridge in the correct direction according to the label. When inserting, push the cartridge into place until you hear and/or feel a click. That click indicates it is in place.



IMPORTANT!

While shaking White cartridges it is possible that some small amount of ink comes out of Cartridges. Make sure that Cartridges are clean before inserting them back to the slots.

STEP 5: Filling with Ink for the First Time

Firstly, make sure print head is flushed with air prior to ink fill . [only certified azonprinter d.o.o. staff should do that] Use syringe and connect it with print head , push the air thru it and make sure there is no blockage inside print head. On the first push from each channel transport fluid should go out. [thru each channel push approximatly 100 ml of air]

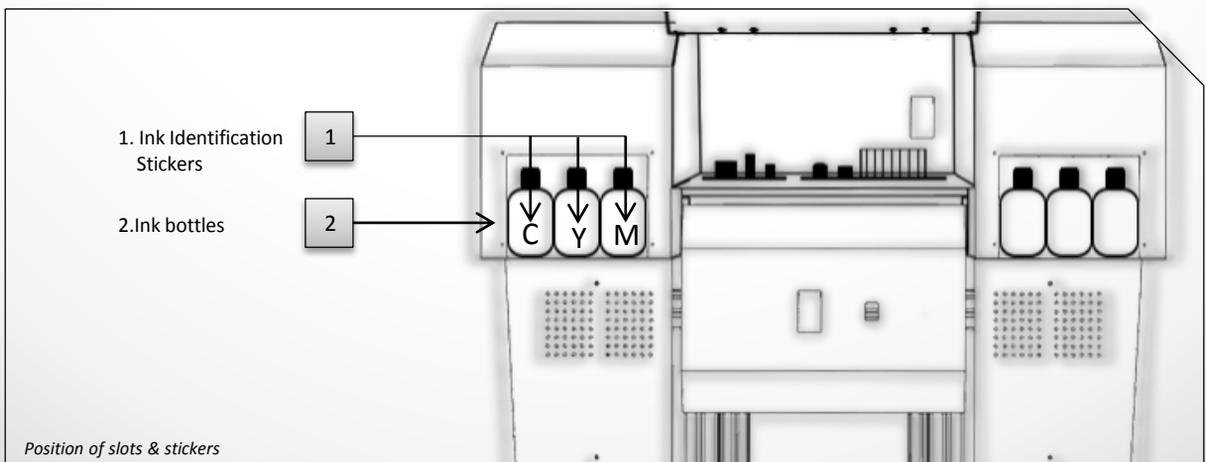
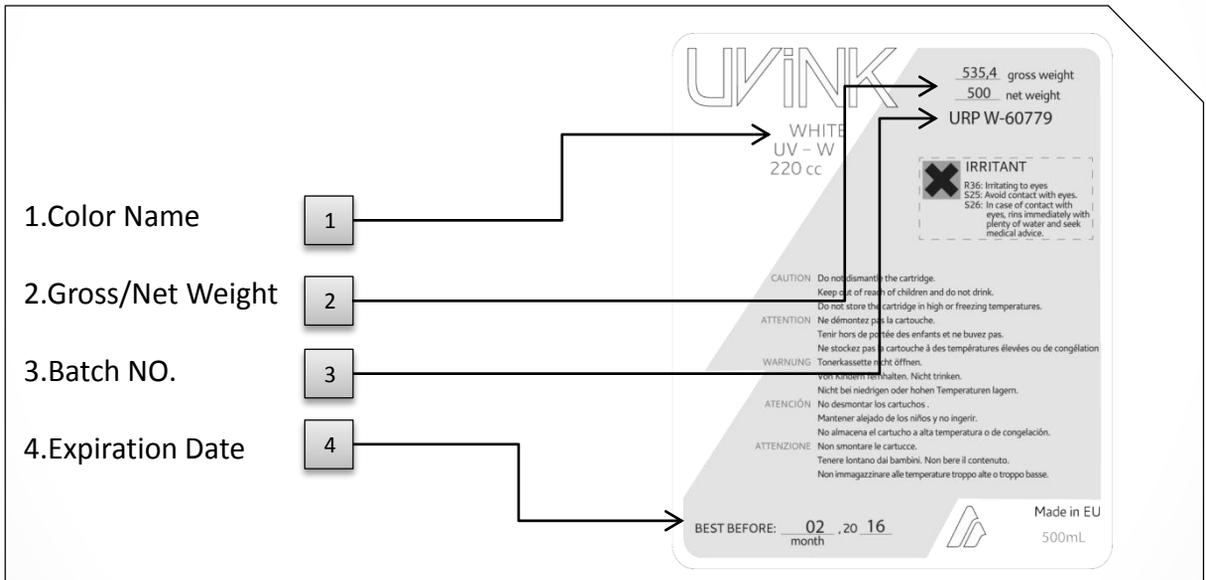


WARNING

Never, under any circumstances, use anything other than the specified type of ink or cleaning liquid. Non genuine azon ink or cleaning fluid may lead to machine malfunction and loss of warranty.

Filling the ink bottles

Pour ink into machine bottle . Every bottle is labeled , in case of pouring the ink in wrong bottle please contact your azonprinter d.o.o. distributor.



1. Before pouring ink into printer bottles shake the white ink bottles. Shake white ink bottle back and forth horizontally for about 1 minute each.

CAUTION
Shake white ink cartridges only



WARNING

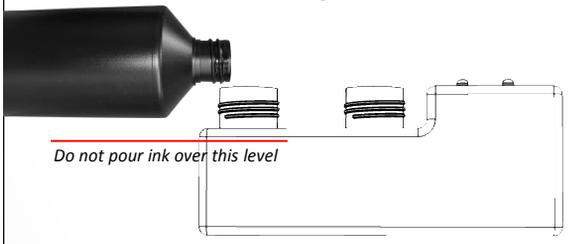
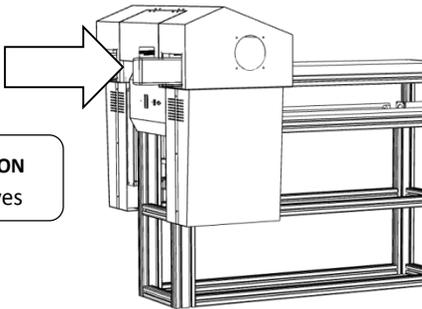
Do not spill any ink on bottle or any other part of the printer. In case of spill clean with soap and warm water.

IMPORTANT

Make sure to close the lid of machine bottles to the end. Unlike previous Razor Models, Hale has a vent on the bottles and it is safe to close the lid.

2. There are in total 6 bottles on printer, 3 on each side. Open one bottle at the time and pour ink inside it. Stop pouring when ink level reach „throat” of the bottle.

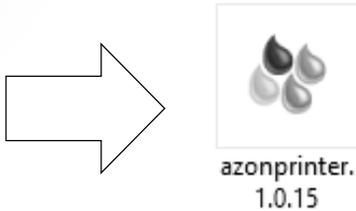
CAUTION
Use Gloves



Ink Charge

1. Connect printer with pc/laptop via USB cable, wait until your pc/laptop show message that device is properly installed.

2. Open installation CD and find program : azonprinter.1.0.15 , open it .



3. Initiate ink charge by clicking on ink charge button . Wait until first ink charge is finished , repeat the process for 2 more times.



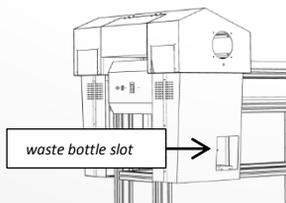
Status

[if offline try to reconnect usb and make sure your printer/device is properly installed]

4. Empty the waste tank after ink charge procedure.

CAUTION

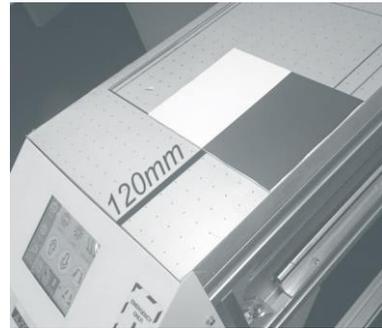
Use Gloves. Dispose ink in special containers for hazardous chemicals



nozzle check

Perform printing tests [nozzle check] before and after daily operations. If there is a nozzle missing perform cleaning and repeat the nozzle check.

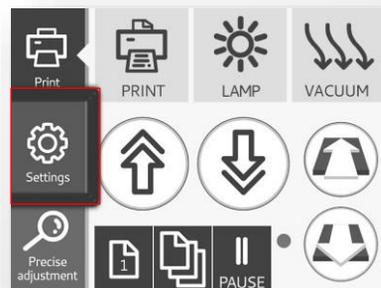
1. Place nozzlecheck sheet on the table. Make sure that nozzlecheck sheet is in correct position, use picture as a reference.



2. Push (hold for 1-2 sec) the Gantry Down icon. The gantry will lower and stop automatically. If the Gantry doesn't move, it means it's already all the way down.



3. When the gantry stops, select the Settings icon on the screen .

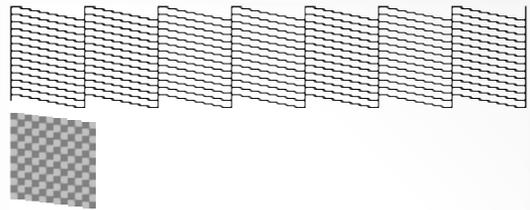


nozzle check

4. Select the Discharge icon to turn it OFF.



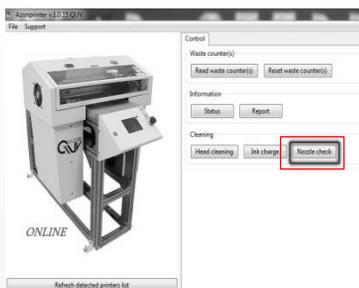
6. When the Nozzle Check is complete inspect nozzle check sheet. Use a small flashlight to help see the print while it's still on the nozzle sheet. If there are no/few gaps in the printed pattern you are good to proceed.



5. Press the print icon. Stand clear, the gantry will move forward towards the test sheet to position to print.



5. Go back to azon utility software and from it start nozzlecheck. After RIP or driver installation nozzle check can be done from both (if printing from RIP or driver USB cable is not needed)



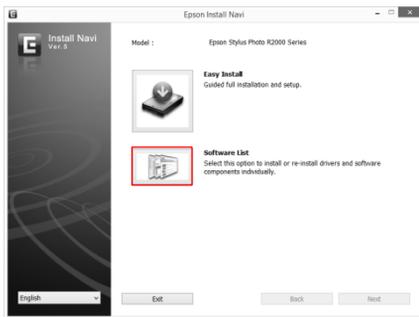
STEP 6: Network Settings

1. Connect printer with pc/laptop via USB & network cable.

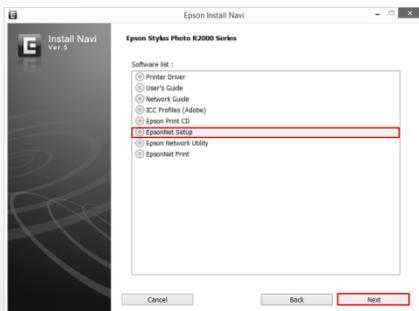
2. Run autorun from CD , splash screen will appear. Choose Printer Driver Installation



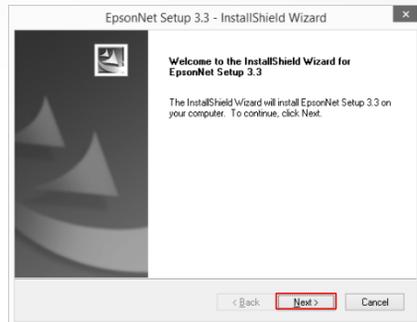
2. Wait until following window appear , click on software list.



3. Select EpsonNet Setup and click next..



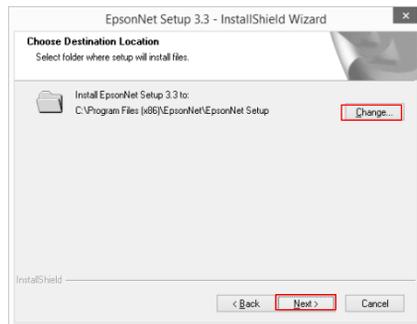
4. Click next.



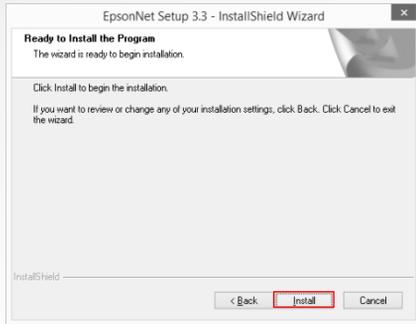
5. Check I agree checkbox and click next.



6. Choose installation directory and click next.



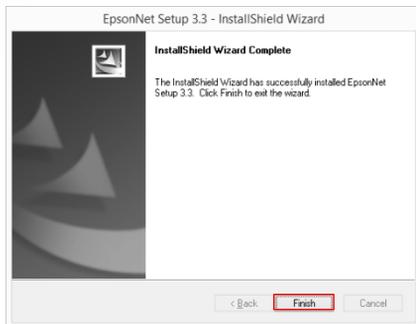
7. Click next.



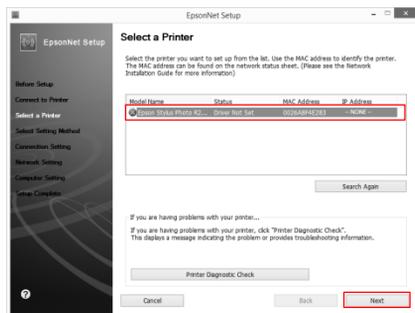
10. Click next.



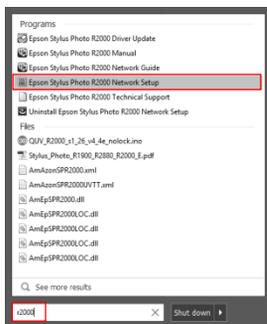
8. Click finish.



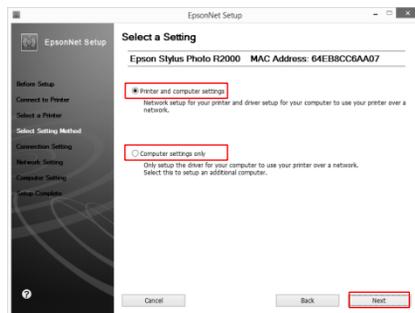
11. Select the printer you want to set up from the list, click next.



9. In search write r2000, click on Epson Stylus Photo R2000 Network setup

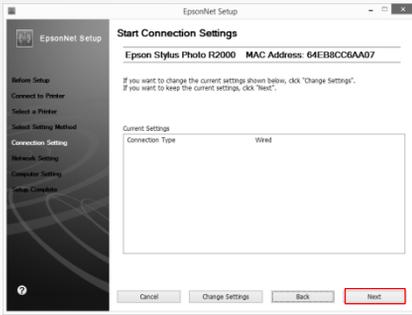


12. Choose one of the options and click next [under each option there is an explanation].

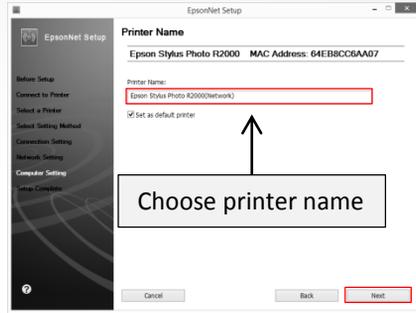


Before Using This Printer

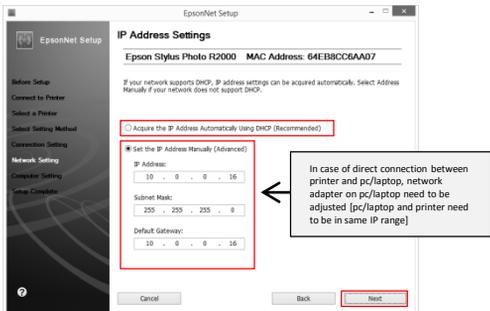
13. Click next.



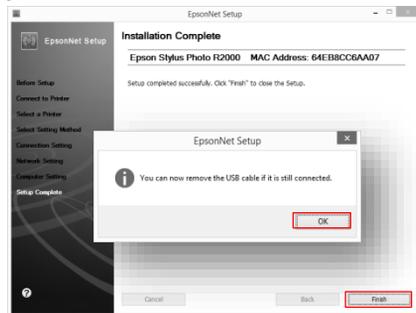
15.a. Click next.



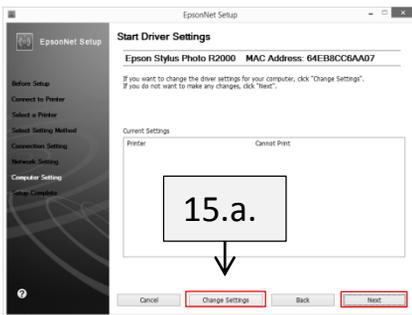
14. Adjust your IP manually or leave it on automatic and click next.



16. Click ok and finish, you can remove USB cable.



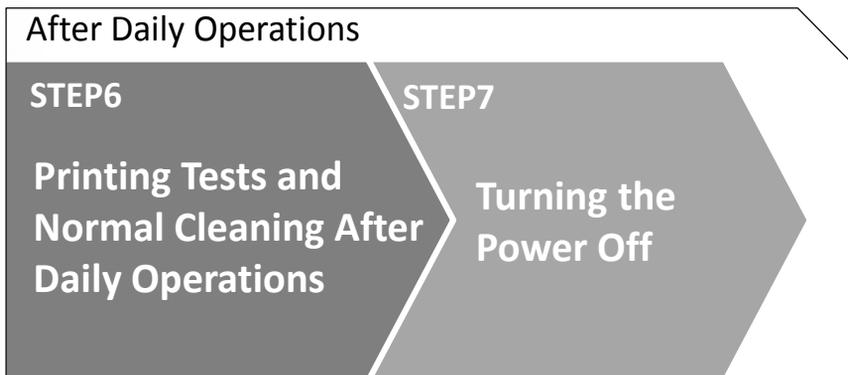
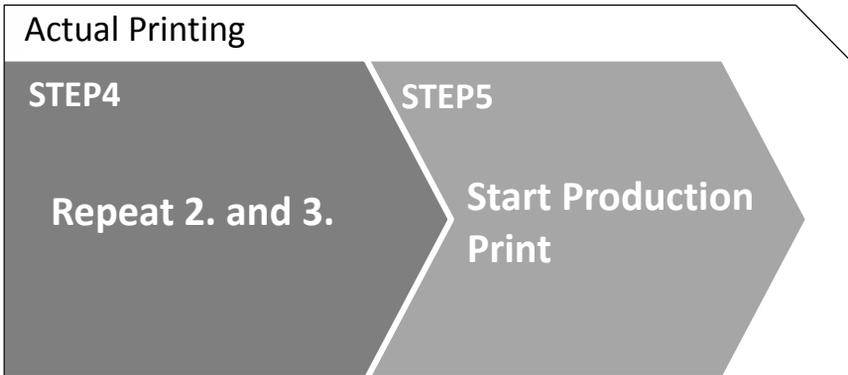
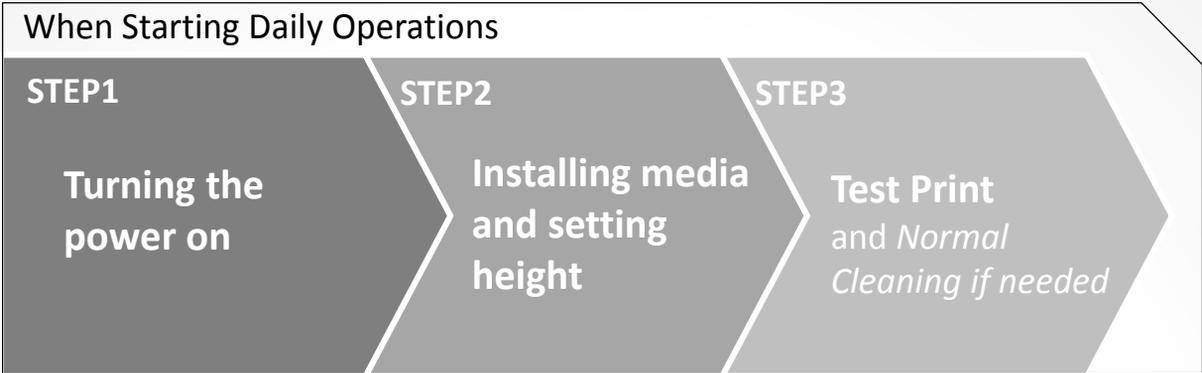
15. Click next.



First Time Printing



Operation Flow



Conditions for Usable Media

In this manual, the printing material used for output is called “media.”

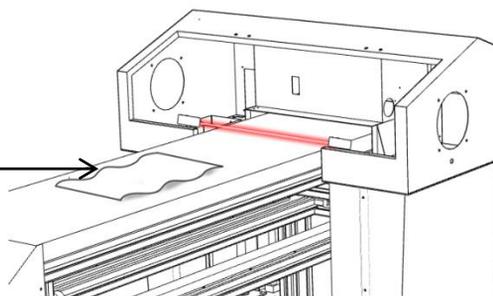
<i>Metric Scale</i>			<i>Inch Scale</i>		
Media		Condition	Media		Condition
Maximum Size	Width	320 mm	Maximum Size	Width	12.9 in.
	Length	1200 mm		Length	42.7 in.
	Thickness	200 mm		Thickness	7.9 in.
Maximum weight:		9 kg	Maximum weight:		20 lbs.

CAUTION

- Do not use media that is charged with static electricity.
- This printer cannot print on all materials. When selecting media, be sure to carry out testing in advance to make sure that satisfactory print quality can be obtained.
- There is a limit to the variation in the unevenness on the print surface.

Depending on the type of media and the installation method, the height may not be set correctly. The machine may malfunction if printing is performed under these conditions. Do not use the following types of media.

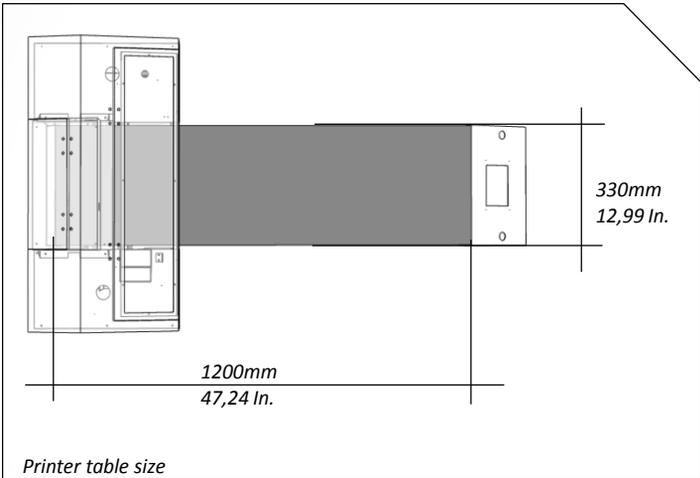
Media that easily becomes loose
 If media becomes loose, the laser sensor cannot detect the height correctly. Make sure you place media so that it does not become loose. If the media does become loose, you can use vacuum or an adhesive tape (commercially available) etc. to hold it in place.



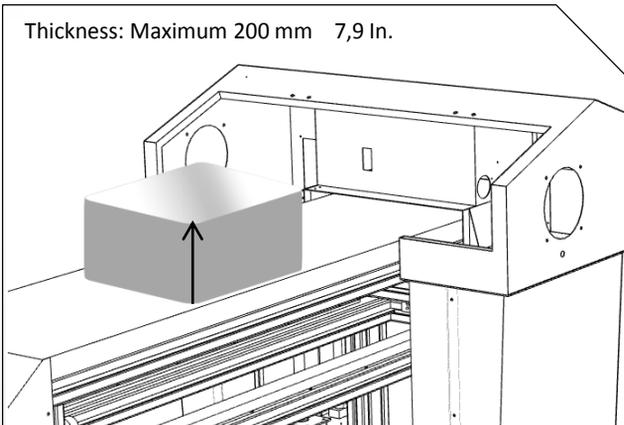
Printable Area

<i>Metric Scale</i>		<i>Inch Scale</i>	
maximum printable area		maximum printable area	
Width	290 mm	Width	11.4 In.
Length	800 mm	Length	31.5 In.
Thickness	200 mm	Thickness	7.9 In.

* The maximum size of the media and the printable area are different.

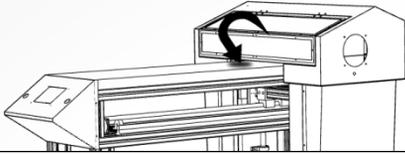


Printer table size

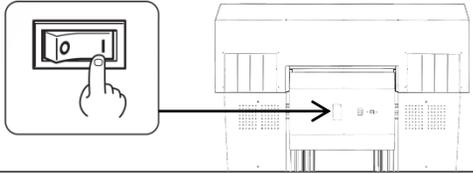


STEP 1: Turning the Power On

1. Close the front cover.
Close it gently.

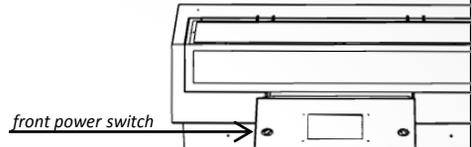


2. Turn on the main power switch.



3. Turn on front power switch.

CAUTION
Printer unit will automatically move back

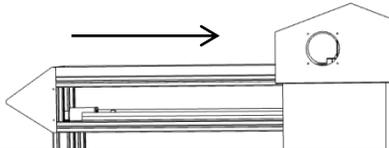


IMPORTANT!

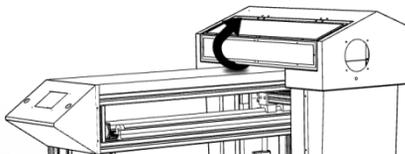
Shake the white ink bottles (or cartridges) before powering the printer ON.
Printer will automatically initiate white ink recirculation and Normal Head Cleaning upon startup. Message of current printer state is written on LCD.

STEP 2: Installing Media and Setting Height

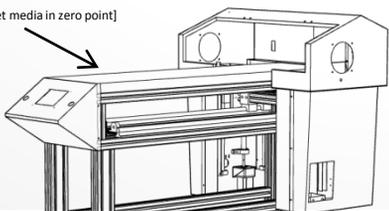
1. Make sure that machine is all the way back.



2. Open front cover .



3. Set media on the table.
[for fastest printing always set media in zero point]



4. Press print button, printer will go automatically forward and adjust height .



5. Close the front cover.



If vacuum is not working

Some materials are too strong for vacuum table in that case you can use affix tape. This method secures the media in place using commercially available tape affixed directly to the flat table. You can use this method to secure media when using media, such as thin paper media, that can be secured in place simply by taping it.

STEP 3 Test Print and Normal Cleaning

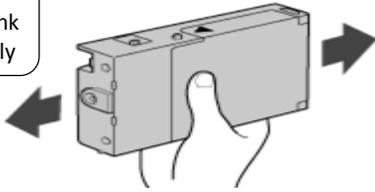
Check for dot drop-out by performing printing tests before and after daily operations. If dot drop-out occurs, perform cleaning (normal cleaning). Leaving the dot drop-out untreated may damage the print head. Please make sure to check each day after operation.

* Dot drop-out is a condition where dust adheres to the print head interfering with normal ink emission.

1. Before cleaning shake white ink cartridges.

Shake white ink cartridges back and forth horizontally for about 1 minute each.

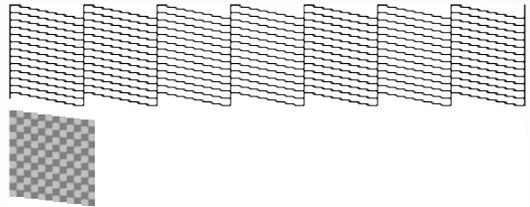
CAUTION
Shake white ink cartridges only



The ingredients in the ink have a tendency to precipitate. The precipitation of the ingredients in the ink disables printing in normal color. To allow the ingredients to be mixed well, shake each ink cartridge horizontally from side to side by 5 cm (2inches) from each end of the ink cartridge. The deposits may harden and cause problems including printer malfunctions if left untouched for an extended period of time.

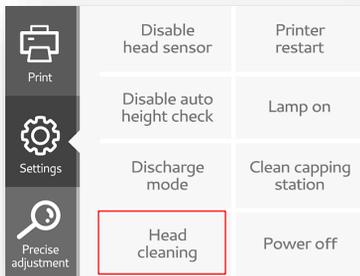
3. [Preform a nozzle check.](#)

When the Nozzle Check is complete inspect nozzle check sheet . Use a small flashlight to help see the print while it's still on the print table
If there are no/few gaps in the printed pattern you are good to proceed.

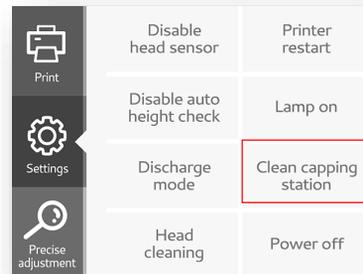


If nozzle check is not good

2. Go to settings menu and preform smalll cleaning .



1. Go to settings menu and press and hold for clean capping station until it blinks.



STEP 3 Test Print and Normal Cleaning

Check for dot drop-out by performing printing tests before and after daily operations. If dot drop-out occurs, perform cleaning (normal cleaning). Leaving the dot drop-out untreated may damage the print head. Please make sure to check each day after operation.

* Dot drop-out is a condition where dust adheres to the print head interfering with normal ink emission.

1. Before cleaning shake white ink bottle. Shake white ink bottle back and forth horizontally for about 1 minute. Make sure bottle is closed before shaking.

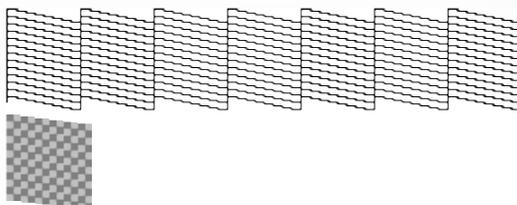
CAUTION
Shake white ink bottle only



The ingredients in the ink have a tendency to precipitate. The precipitation of the ingredients in the ink disables printing in normal color. To allow the ingredients to be mixed well, shake each ink bottle horizontally from side to side by 2 cm (0.7inches) from each end of the ink bottle. The deposits may harden and cause problems including printer malfunctions if left untouched for an extended period of time.

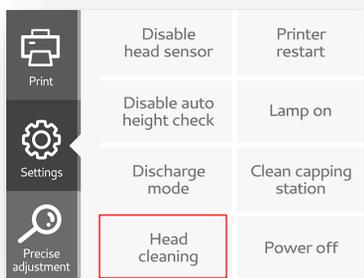
3. [Preform a nozzle check.](#)

When the Nozzle Check is complete inspect nozzle check sheet . Use a small flashlight to help see the print while it's still on the print table
If there are no/few gaps in the printed pattern you are good to proceed.



If nozzle check is not good

2. Go to settings menu and preform smalll cleaning .



1. Go to settings menu and press and hold for clean capping station until it blinks.



First Time Printing

2. Wait for this screen to appear.



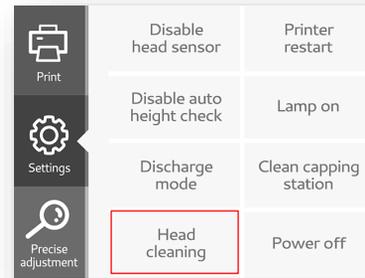
4. Tap the button on the display Press when finished cleaning.



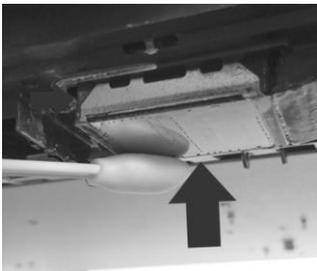
3. Dip the foam swab in to print Cleaning Liquid. Do not double dip , this will contaminate the entire bottle. Once the swab is completely dirty dispose of it properly. Only use lint-free cleaning foam swab provided from Azonprinter company . If you use cotton swab or something similar the cotton fibers will clog the print head.



5. Go to settings menu and perform small cleaning .

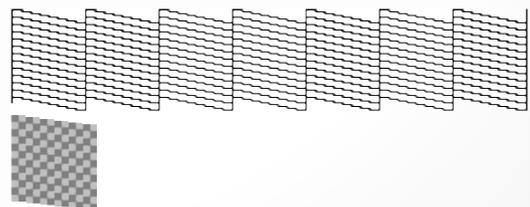


4. Gently clean the print head and the metal areas around the print head.



6. [Perform a nozzle check.](#)

When the Nozzle Check is complete inspect nozzle check sheet . Use a small flashlight to help see the print while it's still on the print table
If there are no/few gaps in the printed pattern you are good to proceed.



STEP 4 Repeat 2. and 3.

STEP 5 Start Production Print

This section explains how to print from this machine, using the included Azon Rip (RIP & PRINT MANAGEMENT SOFTWARE). It assumes that you have already completed the following tasks.

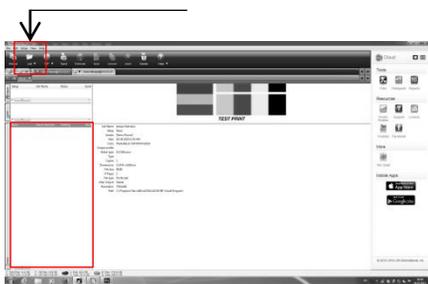
- Installation of Azon Rip
- Connecting Azon Rip and this machine
- Learning the basic operation of Azon Rip "Azon Rip Quick Start Guide" (included)

For information on file formats that you can read directly with Azon Rip and on how to output from the application, see "Azon Rip Quick Start Guide" (included).

Zero Point Marker

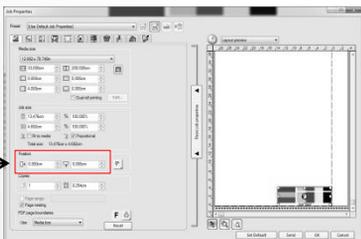
1. Import graphic in Azon Rip . Both method are available Drag & Drop or click on Job and open job.Choose some small graphic like a 1x1 cm blue square.

Open Job here



Drag & Drop here

2. Set image in X=0 , Y=0 position

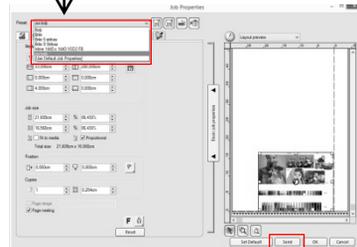


Print Position

3. Set printer in print mode , make sure that height is properly adjusted and lamp is on lowest possible power. Print head need to be not more then 3 mm form table.

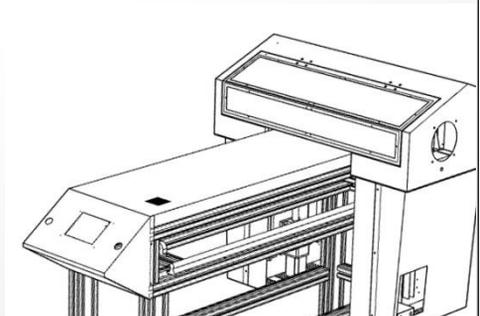
4. Choose preset for printing (recommended is any preset with low resolution and ink amount) Press send ,machine will start to print.

Preset



Send

5. After the square is printed mark the position with zero point sticker (provided with machine).



Pausing or Canceling Output

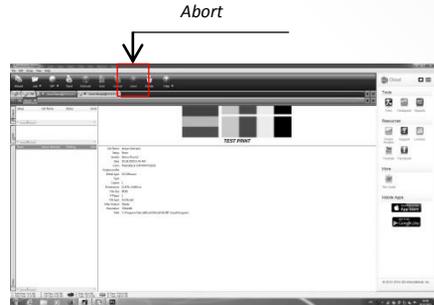
Pause

Tap pause button on LCD touch screen , to resume tap pause again. ([p.16](#))

Canceling Output

Press and hold printer restart button until it blinks. ([p.17](#))

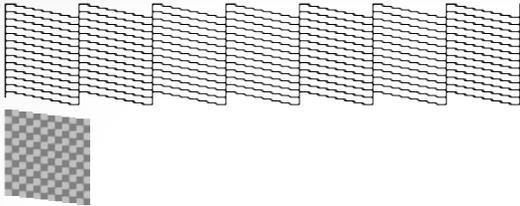
Click abort .



STEP 6 Printing Tests and Normal Cleaning After Daily Operations

1. [Preform a nozzle check.](#)

When the nozzle check is complete inspect nozzle check sheet . Use a small flashlight to help see the print while it's still on the nozzle sheet If there are no/few gaps in the printed pattern you are good to proceed.



2. Clean the print head with print head cleaning fluid .

Follow the procedure „if nozzle check not good”
Do not press „Press when finish cleaning” (p.40)

3. Cleaning the Capping Station .



CAUTION

Do not mix the cleaning fluids

Dip the foam swab in to claning liquid (blue label). Gently clean the rubber edges of the Capping Station.



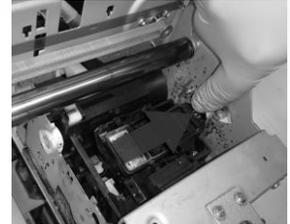
4. Cleaning the Wiper Blade. .



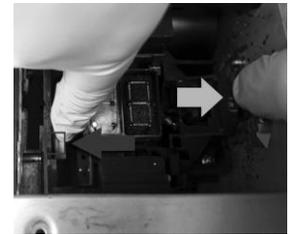
CAUTION

Do not mix the cleaning fluids

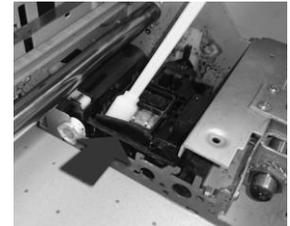
Push and hold capping holder asy in the directon which id pointed by red arrow.



While hodling capping holder asy with one hand , locate and push the wiper pin in the direction of the blue arrow with other.



Gently clean the wiper with cleaning stick be sure that all ink remains are gone. Once done put the wiper back in orginal position via vice versa process.



5. Tap the button on the dispaly Press when finished cleaning.



STEP 7 Turning the Power Off

1. Press and hold power off button until it blink
([p.17](#))
Printer will automatically initiate White
Recirculation process and Normal Head Cleaning.

2. Press OFF button when cleaning is finished
([p.12](#))

3. Set the switch on power socket to 0 ([p.13](#))