



MATRIX
UV SERIES

ABOUT MANUAL



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

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ABOUT PRINTER



AZON MATRIX represents only wide-format UV-curable inkjet flatbed printer on the market with the ability to print up to 930mm (36,61in) in height. With optional S, M and L bed sizes; 700 mm x 1900 mm (27,55 x 74,80in) / 700 mm x 2500 mm (27,55 x 98,42in) / 1200 mm x 1900 mm (47,24 x 74,80in) / 1200 mm x 3300 mm (47,24 x 129,92in) which are handling heavy materials up to 100 kg for indoor, outdoor and industrial applications. Prints directly onto any type of material like PET, ABS, polycarbonate, TPU, wood, stone, glass, canvas, ceramic, aluminum, and leather. Azon MATRIX represents an ideal solution for gaining profit from lower running costs. Capable of robust industrial printing demands including heavy, rigid materials and high-quality volume printing requirements (USB drives, smartphone cases, lighters, pens etc.) Azon MATRIX is covering a wide variety of business printing applications. With long-lasting, highly energy-efficient UV LED lamp curing system instantly and efficiently adheres ink to any kind of substrates. Its robust bed, smart vacuum table, Full-featured Azon RIP software and UV TurboJet ink technology ensure a perfect result on each and every print.



GENERAL INFORMATION



MATRIX 1206/1206 Cubejet/1206 Monsterjet

Maximum print size	Maximum substrate width 570mm(22,44in)
	Maximum substrate length 1200 mm(47,24in)
	Maximum substrate height 200mm (7,87in) Matrix1206, 400mm (15,74in) Cubejet1206, 930mm(36,61in) Monsterjet1206
Print	Piezzo inkjet [8 channels 180 nozzles each]
Resolution	Adjustable from 720x720 up to 2880x1440 dpi
Ink configuration	CMYK+WWCLCL, CMYK+WWWW, Optional
Ink System	Bottles system 500ml [refillable]
Ink curing	UV-LED adjustable output
Software	Azon RIP software
OS	Windows 10
Connection	Ethernet
Power	AC 100/230 V 50-60Hz
Printer size	Width 1330 mm (52,36in)
	Length 2120 mm (83,46in)
	Height 1120 -1750 mm(44,09-68,89in)
Weight	350 - 450kg

GENERAL INFORMATION



MATRIX 1806/1806 Cubejet/1806 Monsterjet

Maximum print size	Maximum substrate width 570mm (22,44in)
	Maximum substrate length 1800 mm (70,86in)
	Maximum substrate height 200mm (7,87in) Matrix1806, 400mm (15,74in) Cubejet1806, 930mm (36,61in) Monsterjet1806
Print	Piezzo inkjet [8 channels 180 nozzles each]
Resolution	Adjustable from 720x720 up to 2880x1440 dpi
Ink configuration	CMYK+WWCLCL, CMYK+WWWW, Optional
Ink System	Bottles system 500ml [refillable]
Ink curing	UV-LED adjustable output
Software	Azon RIP software
OS	Windows 10
Connection	Ethernet
Power	AC 100/230 V 50-60Hz
Printer size	Width 1330 mm (52,36in)
	Length 2720 mm (107,08in)
	Height 1120 – 1750 mm (44,09-68,89in)
Weight	450 – 550 kg

GENERAL INFORMATION



MATRIX UV 1211/2511, CUBEJET 1211/2511 MONSTERJET 1211/ 2511

Maximum print size	Maximum substrate width 1070 mm (42,12in) Maximum substrate length 1200 mm(47,24in) for 1211, 2450 mm (96,45in) for 2511 Maximum substrate height 200mm (7,87in) Matrix1211/2511, 400mm (15,74in) Cubjet1211/2511, 930mm (36,61in) Monsterjet1211/2511
Print	Piezzo inkjet [8 channels 180 nozzles each]
Resolution	Adjustable from 720x720 up to 2880x1440 dpi
Ink configuration	CMYK+WWCLCL, CMYK+WWWW, Optional
Ink System	Bottles system 500ml [refillable]
Ink curing	UV-LED adjustable output
Software	Azon RIP software
OS	Windows 10
Connection	Ethernet
Power	AC 100/230 V 50-60Hz
Printer size	Width 1860 mm (73,22in) Length 2200mm / 3200 mm (86,61 – 125,98in) Height 1120 -1750 mm (44,09 - 68,89in)
Weight	400 kg / 710 kg

PRINT
SPEED

UNIDIRECTIONAL



MATRIX UV SERIES

Data was taken when printing maximum print area 580 mm X 1200 mm (22,83 x 47,24in)

Ink consumption is calculated by printing 580 mm x 1200mm (22,83 x 47,24in) black square [RGB]

NAME	RESOLUTION	DIRECTION	LAYER TYPE	SUBSTRATE	TIME [min/sec]	m ² /h	Ink
FAST	720x360	Unidirectional	Color Layer	Generic	8:00	4,7	3,36ml
		Unidirectional	White Layer	Generic	Not Supported	N/A	N/A
		Unidirectional	White+Color Inline	Generic	Not Supported	N/A	N/A
SPEED	720x720	Unidirectional	Color Layer	Generic	20:40	2,3	5,72ml
		Unidirectional	White Layer	Generic	20:40	2,3	1,68ml
		Unidirectional	White+Color Inline	Generic	26:50	1,8	7,36ml
STANDARD	1440x720	Unidirectional	Color Layer	Generic	30:10	1,7	7,51ml
		Unidirectional	White Layer	Generic	30:10	1,7	3,36ml
		Unidirectional	White+Color Inline	Generic	60:10	1	10,83ml
QUALITY	1440x1440	Unidirectional	Color Layer	Generic	58:10	1	10,23ml
		Unidirectional	White Layer	Generic	58:10	1	6,71ml
		Unidirectional	White+Color Inline	Generic	130:04	0,5	16,87ml
HIGH QUALITY	2880x1440	Unidirectional	Color Layer	Generic	59:10	1	16,58ml
		Unidirectional	White Layer	Generic	59:10	1	13,42ml

PRINT SPEED **BIDIRECTIONAL**



MATRIX UV SERIES

Data was taken when printing maximum print area 580 mm X 1200 mm (22,83 x 47,24in)

Ink consumption is calculated by printing 580 mm x 1200mm (22,83 x 47,24in) black square [RGB]

NAME	RESOLUTION	DIRECTION	LAYER TYPE	SUBSTRATE	TIME [min/sec]	m ² /h	Ink
FAST	720x360	Bidirectional	Color Layer	Generic	05:10	7,1	3,36ml
		Bidirectional	White Layer	Generic	Not Supported	N/A	N/A
		Bidirectional	White+Color Inline	Generic	Not Supported	N/A	N/A
SPEED	720x720	Bidirectional	Color Layer	Generic	12:20	3,8	5,72ml
		Bidirectional	White Layer	Generic	12:20	3,8	1,68ml
		Bidirectional	White+Color Inline	Generic	16:20	2,8	7,36ml
STANDARD	1440x720	Bidirectional	Color Layer	Generic	17:50	2,5	7,51ml
		Bidirectional	White Layer	Generic	17:50	2,5	3,36ml
		Bidirectional	White+Color Inline	Generic	35:00	1,5	10,83ml
QUALITY	1440x1440	Bidirectional	Color Layer	Generic	32:10	1,45	10,23ml
		Bidirectional	White Layer	Generic	32:10	1,45	6,71ml
		Bidirectional	White+Color Inline	Generic	90:50	0,6	16,87ml
HIGH QUALITY	2880x1440	Bidirectional	Color Layer	Generic	32:10	1,45	16,58ml
		Bidirectional	White Layer	Generic	32:10	1,45	13,42ml

SAFETY FEATURES & REGULATORY COMPLIANCE



Keep your printer out of direct sunlight which will interfere with performance of the printer and the UV inks

Always keep the protective UV lid down during operation UV light can be harmful with direct exposure to skin and eyes

Do not touch the print table or print head while the printer is in use

Keep hair jewelry and loose clothing away from moving parts

Do not attempt to repair your printer unless the guide specifically says to do so

Only certified Azon service technicians should disassemble repair or access internal components

When performing maintenance always unplug the power cord from the electrical outlet

Only use Azon UV Inks and cleaners with your printer

Keep all inks, cleaners and primers out of reach of children

Use promoters in a well-ventilated area

Store inks in a cool dark and dry location

Dispose of all expired and uncured inks in accordance to local and state laws

All UV inks have a shelf life expiration dates are specified on each ink cartridge and must be disposed of properly after expiration

Always wear provided safety glasses and nitrile gloves whenever there is the possibility of exposure to uncured inks

SITE PREPARATION GUIDE



MATRIX UV 1206/1206 Cubejet/1206 Monsterjet

Printer is shipped in wooden crate. Due to the delicate nature of the equipment, it is essential that you have the proper equipment available for handling and moving the shipping crates. Before opening them, you should check the condition of the box. If it is damaged, you should immediately inform us. All equipment must be uncrated by a qualified service engineer.

Printer with transport box	Only Printer
Width 1500mm(59,05in)	Width 1330mm(52,36in)
Length 2470mm(97,24in)	Length 2120mm(83,46in)
Height 1410-2040 mm (55,51-80,31in)	Height 1120-1750 mm (44,09-68,89in)
Weight: 600-700 kg	Weight 350-450 kg



Printer must be installed in an area large enough to allow for normal operation of the printer. **[minimum 1000 mm / 40in from each side of the printer]**

After unpacking printer can be pushed to its final destination, once set make sure wheels are disabled in order to get best balance possible. Additional balancing can be done by rotating red wheel on each foot. [6 of them in total]

- 1 Red wheel for lowering fix foot
- 2 Wheel used for moving printer
- 3 Fixed foot [can be moved up/down for balance]



SITE PREPARATION GUIDE

SITE PREPARATION GUIDE



MATRIX UV 1806/1806 Cubejet/1806 Monsterjet

Printer is shipped in wooden crate. Due to the delicate nature of the equipment, it is essential that you have the proper equipment available for handling and moving the shipping crates. Before opening them, you should check the condition of the box. If it is damaged, you should immediately inform us. All equipment must be uncrated by a qualified service engineer.

Printer with transport box	Only Printer
Width 1500mm(59,05in)	Width 1330mm(52,36in)
Length 3000mm(118,11in)	Length 2850mm(112,20in)
Height 1410-2040 mm (55,51-80,31in)	Height 1120-1750 mm (44,09-68,89in)
Weight: 700-800 kg	Weight 450-550 kg



Printer must be installed in an area large enough to allow for normal operation of the printer. **[minimum 1000 mm from each side of the printer]**

After unpacking printer can be pushed to its final destination, once set make sure wheels are disabled in order to get best balance possible. Additional balancing can be done by rotating red wheel on each foot. [6 of them in total]

- 1 Red wheel for lowering fix foot
- 2 Wheel used for moving printer
- 3 Fixed foot [can be moved up/down for balance]



SITE PREPARATION GUIDE

SITE PREPARATION GUIDE



MATRIX UV 1211/2511, CUBEJET 1211/2511, MONSTERJET 1211/ 2511

Printer is shipped in wooden crate. Due to the delicate nature of the equipment, it is essential that you have the proper equipment available for handling and moving the shipping crates. Before opening them, you should check the condition of the box. If it is damaged, you should immediately inform us. All equipment must be uncrated by a qualified service engineer.

Printer with transport box	Only Printer
Width 1600mm(62,99in)	Width 1860mm(73,22in)
Length 2600 mm(102,36in)	Length 2200mm(86,61in) / 3500mm(137,79in)
Height 1410-2040 mm (55,51-80,31in)	Height 1120-1750 mm (44,09-68,89in)
Weight: 900-1100 kg	Weight 400 kg /710 kg



Printer must be installed in an area large enough to allow for normal operation of the printer. **[minimum 1000 mm from each side of the printer]**

After unpacking printer can be pushed to its final destination, once set make sure wheels are disabled in order to get best balance possible. Additional balancing can be done by rotating red wheel on each foot. [6 of them in total]

- 1 Red wheel for lowering fix foot
- 2 Wheel used for moving printer
- 3 Fixed foot [can be moved up/down for balance]



SITE PREPARATION GUIDE

SITE PREPARATION GUIDE

FLOOR REQUIREMENTS

When planning the print production area, it is important to ensure that the floor surface is solid, smooth, level, and free from any holes or indentations. Floor covering material should be durable and easy to clean.

Floor load-bearing capabilities in the print production area are an essential consideration. This will require consulting the structural engineer for the building in which the printer is to be installed. See the Specifications on page above for the shipping and weight of the printer.

During installation, the printer will be leveled to ensure accurate media feeding. The printer and table feet can be adjusted to compensate for a maximum floor slope. (elevation change)

YOUR PRINTER IS DESIGNED TO OPERATE IN THE FOLLOWING ATMOSPHERIC CONDITIONS;

	Working condition	Shut-down conditions [max shut down 1 month]	Storage condition [without ink in system]
Temperature:	20-30 degrees Celsius	10-30 degrees Celsius	5-35 degrees Celsius
Humidity:	45-80%	45-80%	10-40%

The printer emit low levels of fumes and odor. If desired, customers may prepare a solvent-resistant, fire-resistant exhaust fan capable of expelling air from the printer to the outside of the building, as well as all necessary duct work prior to the date of printer installation. The customer should work with a heating, ventilation, and air conditioning contractor to ensure that the ventilation system works and complies with local building codes.

WASH STATION

Wash station or suitable washing facilities must be provided to be used in the event of emergency, should chemical splashing occur while system operators are handling inks. The provision of these facilities will help to reduce the risk of irritation and possible damage to the eyes and/or skin.

SITE PREPARATION GUIDE



OPERATING POWER REQUIREMENTS

	Delta (USA/Canada) Configuration	Wye (European) Configuration:
Voltage	110-120VAC 1 Phase	220-240VAC 1 Phase
Frequency	50 to 60 Hz	50 to 60 Hz
Current	30 Amps maximum steady state	30 Amps maximum steady state.
Circuit breaker	30 Amps slow blow	30 Amps slow blow

WARNING

Danger of electrical short, shock, electrocution, or fire

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

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

Never allow any foreign object to get inside never expose to liquid spills

never place any flammable object nearby, never use a combustible aerosol spray nearby, never use in any location where gases can accumulate

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

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

Connect to ground

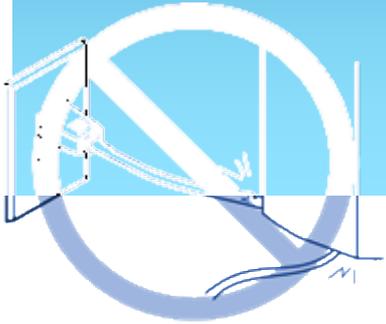
Position so that the power plug is within immediate reach at all times

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

Do not use the supplied power supply cord for other products

SITE PREPARATION GUIDE

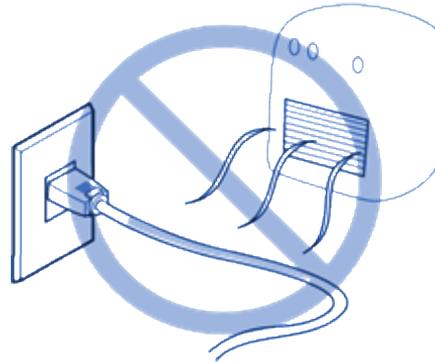
POWER CORD HANDLING



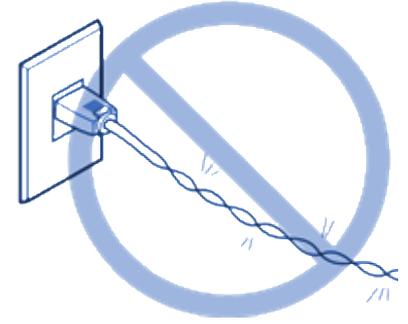
Never place any object on top or subject to damage



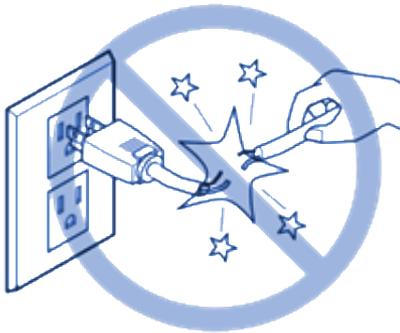
Never allow to get wet



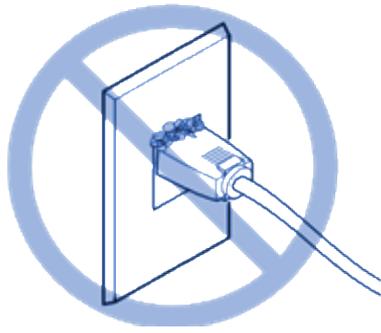
Never make hot



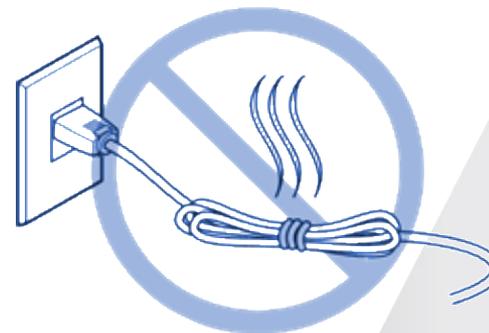
Never bend or twist with undue force



Never pull with undue force



Dust may cause fire



Never bundle, bind, or roll up

SITE PREPARATION GUIDE

CONECTIVITY

Type	Purpose
USB	Maintenance , Service
Network	Printing

HOST COMPUTER REQUIREMENTS

We recommend that you use provided RIP software

It is your responsibility to procure and configure computer hardware which, at the minimum, meets the software's basic computational and data handling needs Provided RIP software is used to generate the print files which are downloaded to the Matrix

The following is the provided RIP computers suggested **minimum** hardware and software requirements

OPERATING SYSTEM

Windows 10

CPU

I5 Processor or Higher

OTHER SPEC

512 Gb Hard Drive

8 Gb RAM per CPU

4 Gb Graphic Card

1 USB Port

DVD-ROM drive required

Network Port TCP/IP

IN THE BOX....

Following items should be accounted for

1



2



3



4



5



6



7



1 Azon Matrix UV printer

2 Syringe 20 ml

3 Nozzle check sheet

4 Calibration sheet

5 Cleaning fluid

6 Print head cleaning fluid

7 Tube

Do not attempt to start installation if some of the items are missing

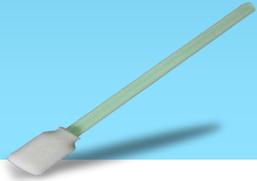


In case of item missing please contact your azon printer representative

IN THE BOX....

Following items should be accounted for.....

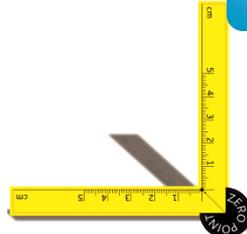
1



2



3



4



5



6



7



8



1

Cleaning sticks [10 pcs]

2

Network Cable

3

Zero position markings

4

UV Protective glasses

5

Power cord (depending on the country)

6

Matrix DVD

7

Protective gloves [10 pcs]

8

Digital hygrometer/thermometer

Do not attempt to start installation if some of the items are missing

In case of item missing please contact your azon printer representative



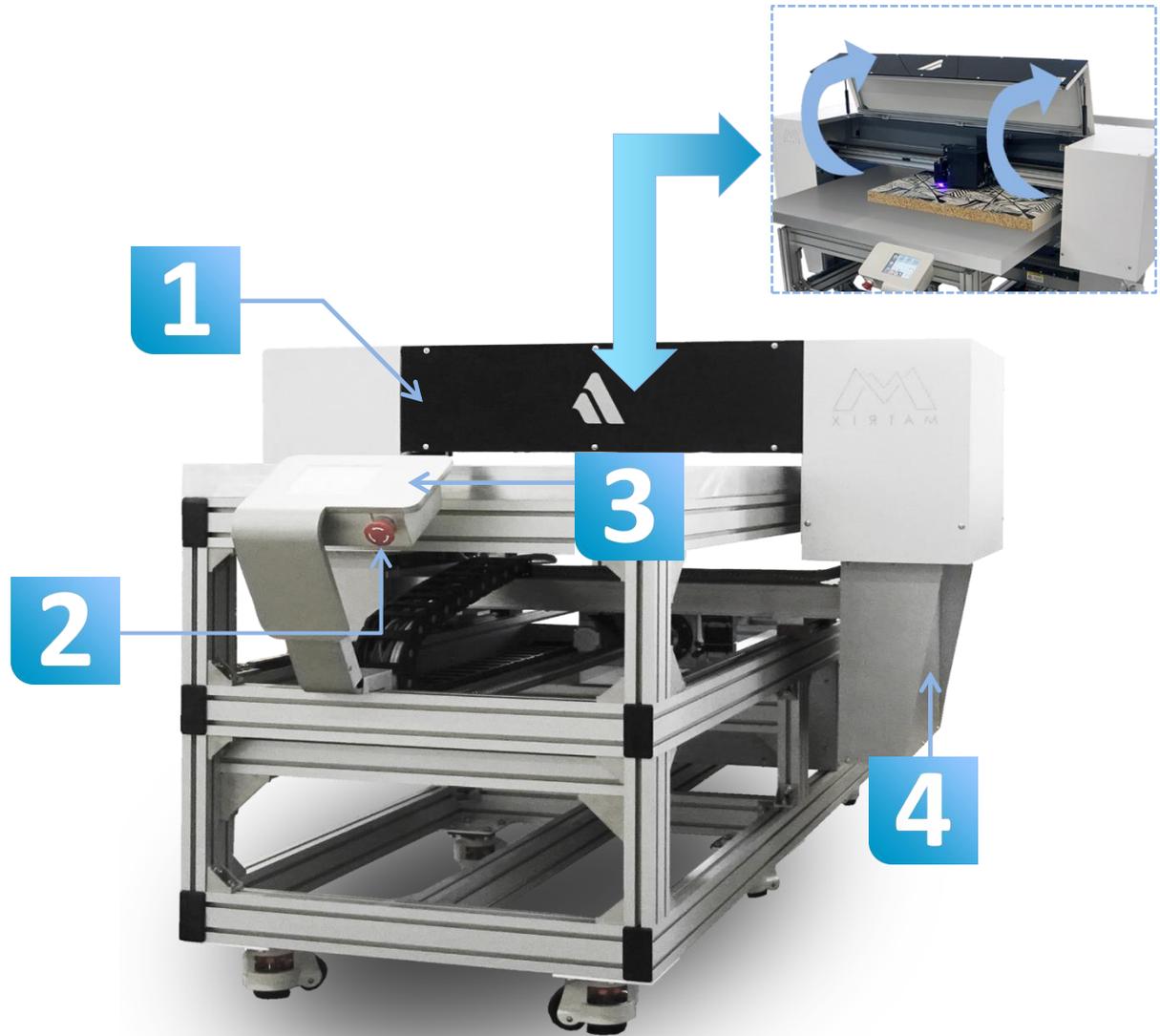
IN THE BOX....

Azon Matrix Series printer	1 pcs	Check YES / NO
Cleaning liquid 250ml	1 pcs	Check YES / NO
Printhead cleaning liquid 250ml	1 pcs	Check YES / NO
Syringe 20ml	1 pcs	Check YES / NO
Nozzle check sheet	1 pcs	Check YES / NO
Calibration plate	2 pcs	Check YES / NO
Tube for connect syringe and damper	1 pcs	Check YES / NO
Cleaning sticks	10 pcs	Check YES / NO
CAT5 UTP Patch cable 10m	1 pcs	Check YES / NO
Zero positon yellow markings	5 pcs	Check YES / NO
Uv protective glasses	1 pcs	Check YES / NO
Power cable	1 pcs	Check YES / NO
DVD with Software & documentation	1 pcs	Check YES / NO
Protective gloves	10 pcs	Check YES / NO
Digital hygrometer/thermometer	1 pcs	Check YES / NO

GETTING TO KNOW YOUR PRINTER



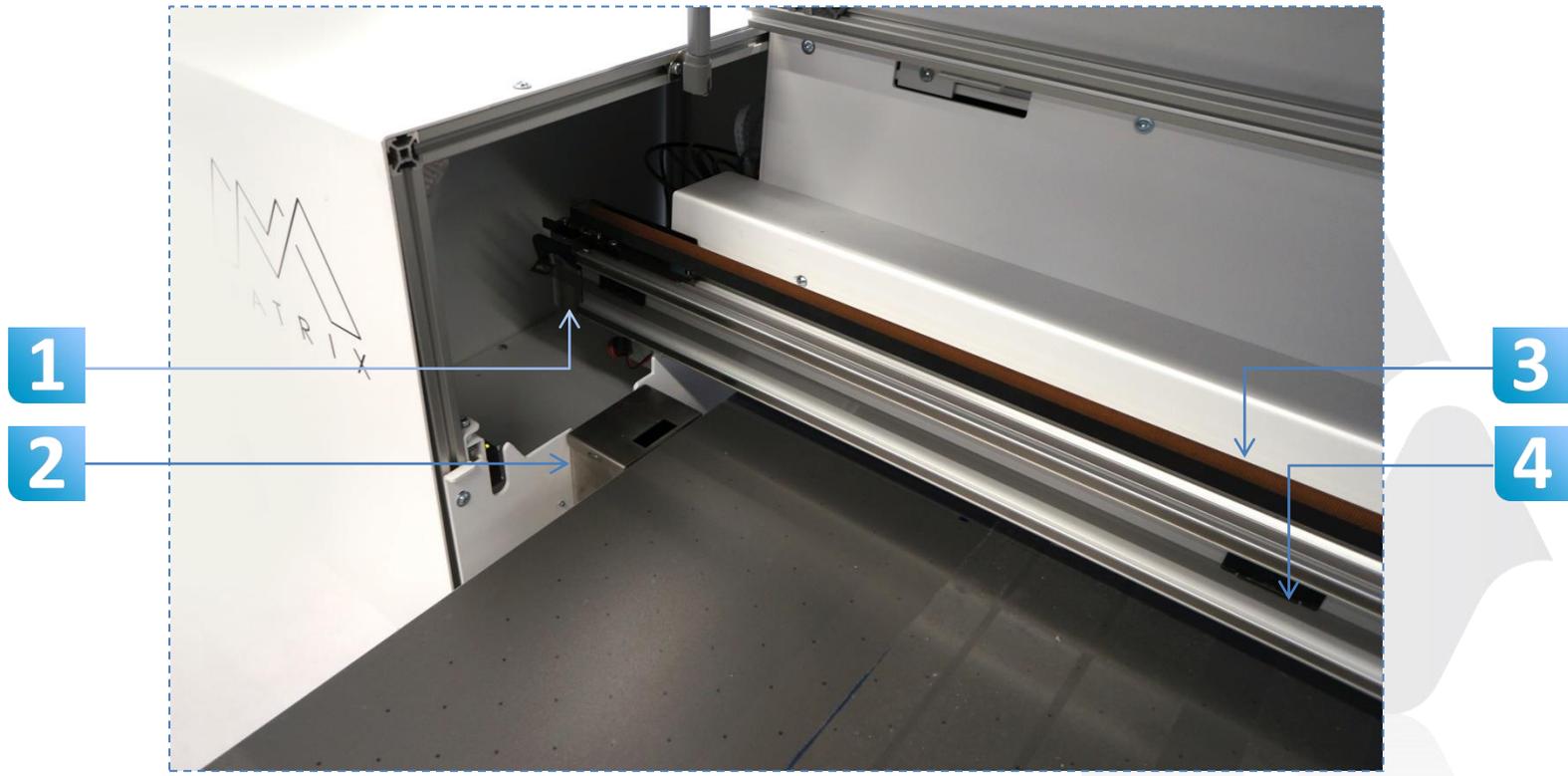
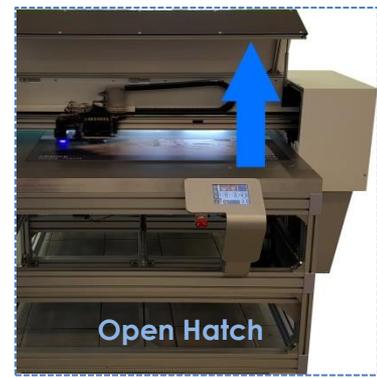
- 1** Top Cover
- 2** Emergency Stop Button
- 3** LCD Touch Screen
- 4** Waste Tank



GETTING TO KNOW YOUR PRINTER

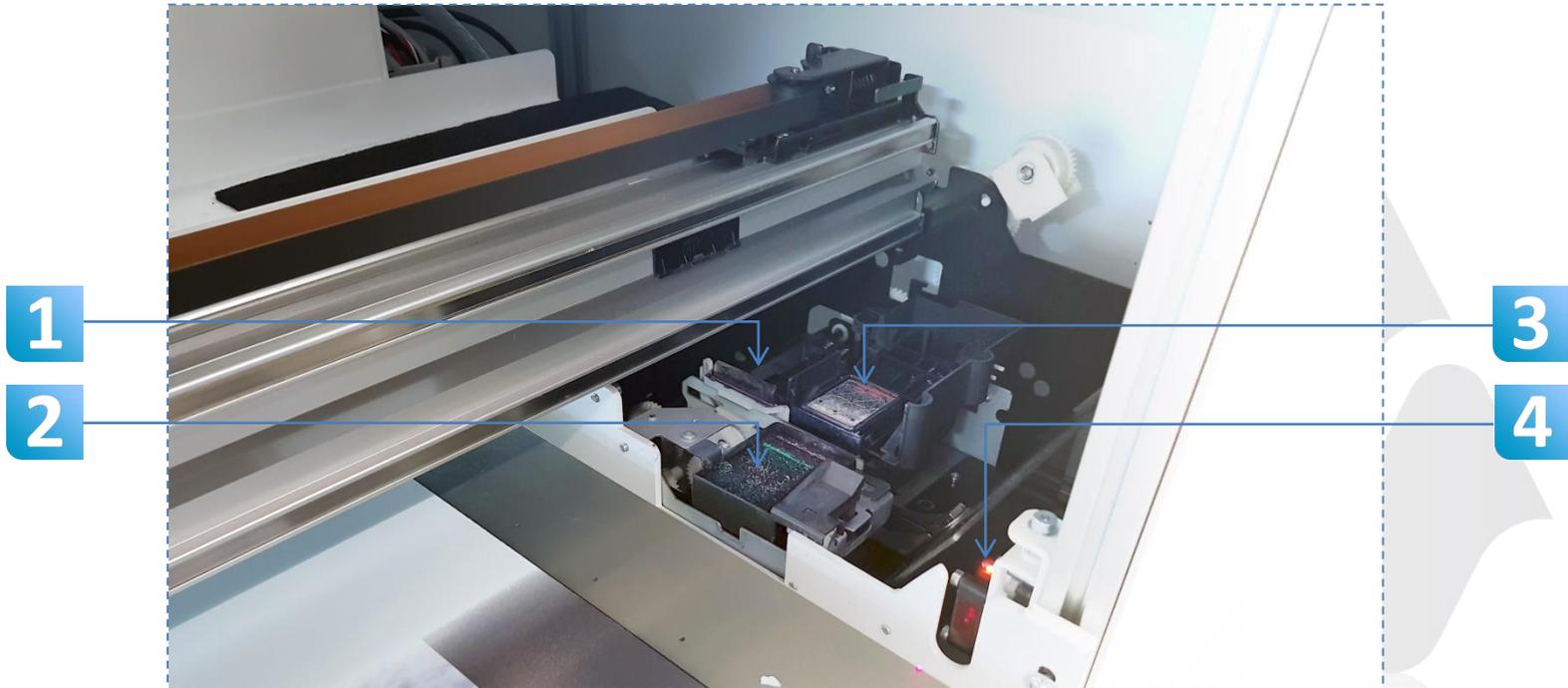
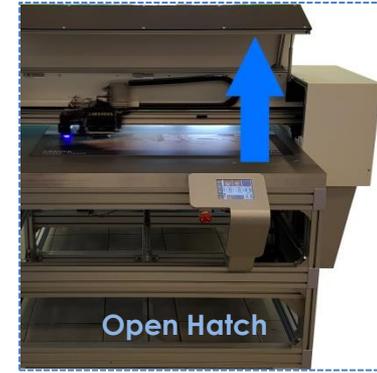


- 1 Carriage Motor
- 2 Purge Tray [Left, only Matrix 1211/2511]
- 3 Carriage Belt
- 4 Linear Encoder



GETTING TO KNOW YOUR PRINTER

- 1 Wiper
- 2 Purge Tray [Right]
- 3 Capping Station ASSY
- 4 Laser Sensor [Height]



GETTING TO KNOW YOUR PRINTER

1 K,G/W,W Bottles

2 Print Unit CP

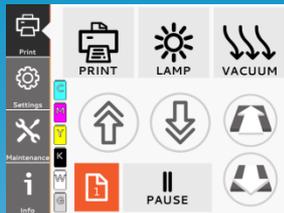
3 C,M,Y Bottles



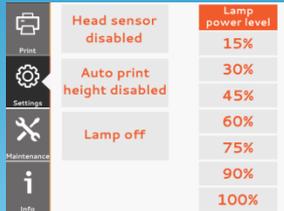
LCD TOUCH DISPLAY

LCD TOUCH DISPLAY STRUCTURE

1



2



3



4



While the Control Panel controls the print driver, the LCD Touch Screen controls the rest of the printer. The 5.6" (142.24mm) LCD Touch Screen display will show this opening screen when the main power is switched ON

1

Print Menu

2

Settings Menu

3

Maintenance Menu

4

Info Menu

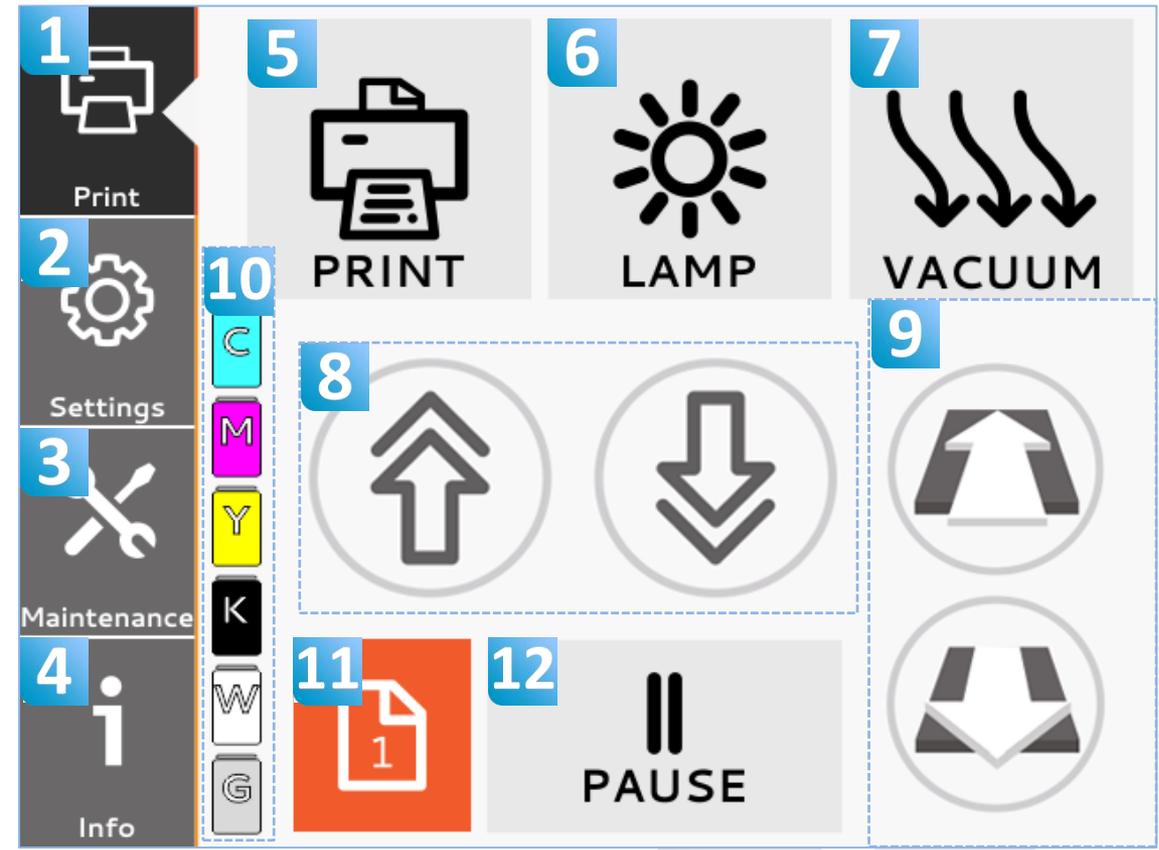


LCD TOUCH DISPLAY

- 1** Print Menu
- 2** Settings Menu
- 3** Maintenance Menu
- 4** Info Menu

- 5** **Print 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.
- 6** **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.
- 7** **Vacuum On/Off**
- 8** **Moving gantry up/down**
Moving printer unit up/down [adjusting distance between print head and printable object.]
- 9** **Moving gantry forward/backward**
- 10** **Ink Levels**
[once it starts blinking its time to refill bottles]
- 11** **Single layer printing mode**
Single layer printing mode [used when printing in inline or just one layer] Tap to switch on 2 , 3 or infinity number of layers
- 12** **Pause**
can be use to stop machine during the print to adjust distance between print head and printable object.

PRINT MENU

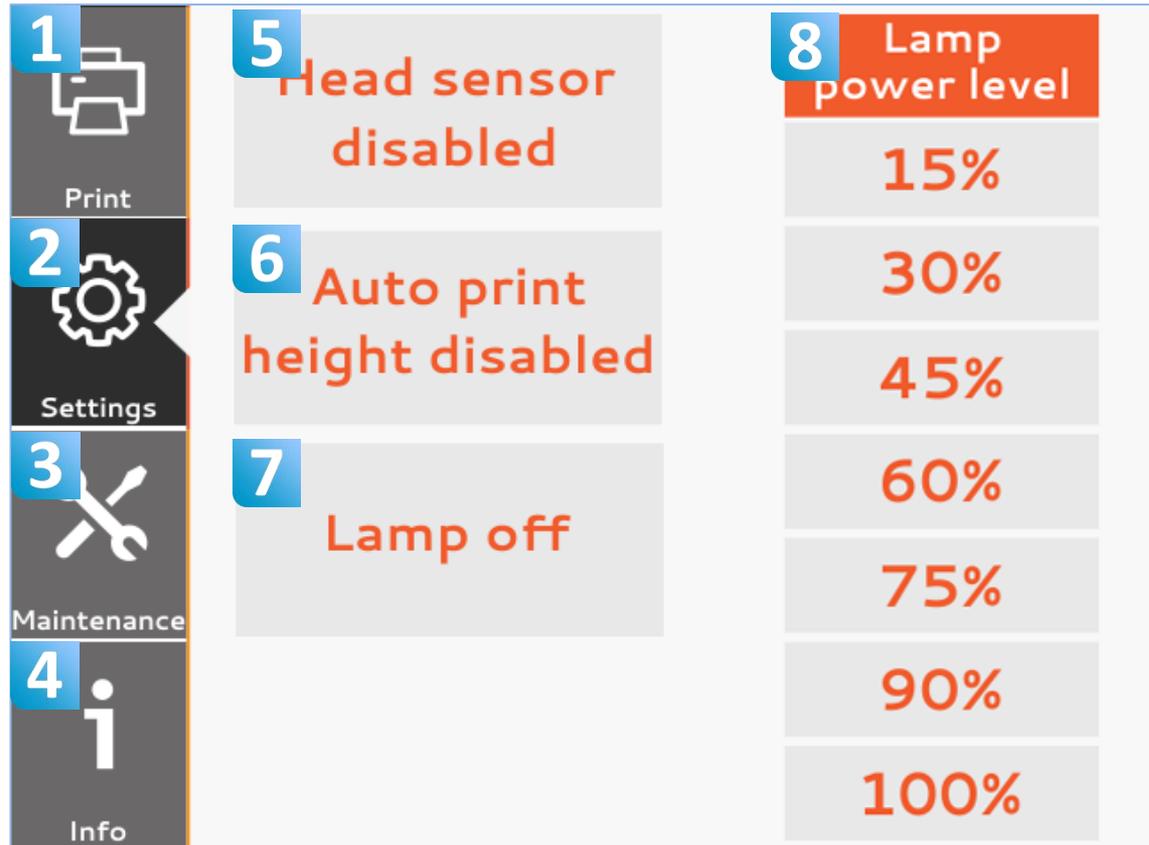


LCD TOUCH DISPLAY

- 1 Print Menu
- 2 Settings Menu
- 3 Maintenance Menu
- 4 Info Menu

- 5 **Disable head sensor**
Command will deactivate laser sensors for automatic height check. User need to adjust height manually.
- 6 **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.]
- 7 **Lamp On/Off**
Manually turning the lamp on/off printer does not need to be in print mode for lamp to work.
- 8 **UV lamp power levels**
UV lamp output power adjustment [depends on printable material]

SETTINGS MENU



1 Print

2 Settings

3 Maintenance

4 Info

5 Head sensor disabled

6 Auto print height disabled

7 Lamp off

8 Lamp power level

15%

30%

45%

60%

75%

90%

100%

LCD TOUCH DISPLAY



- 1 Print Menu
- 2 Settings Menu
- 3 Maintenance Menu
- 4 Info Menu

- 5 **Left Lever**
Rise/Lower left lever.
- 6 **Recirculation**
Agitation On Demand , white ink only
- 7 **Right Lever**
Rise/Lower left lever.

MAINTENANCE MENU

The screenshot shows the Maintenance Menu interface. On the left is a vertical sidebar with four menu items: 1 Print (printer icon), 2 Settings (gear icon), 3 Maintenance (wrench and screwdriver icon), and 4 Info (info icon). The main area contains three large buttons: 5 Left lever released, 6 Recirculation, and 7 Right lever released.

LCD TOUCH DISPLAY



- 1 Print Menu
- 2 Settings Menu
- 3 Maintenance Menu
- 4 Info Menu
- 5 Machine Info
- 6 Machine Status

Info Menu

1 Print

2 Settings

3 Maintenance

4 Info

5 **MACHINE INFO**

Printer model: Azon Matrix
Printer type: UV
Ink Tanks: Bottles
Ink recirculation system : Yes
Rotax add-on connected: No
Firmware version: 2.5.1-8204236
Hardware version: 1.28.0

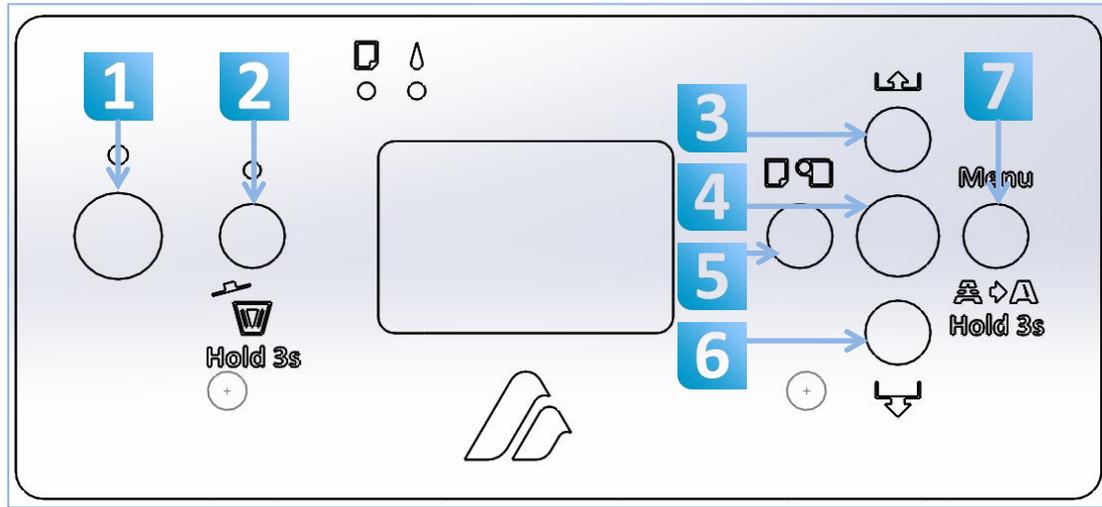
MACHINE STATUS

Up time: 0h:0m
Total prints: 95
Current status: Ready **6**

PRINTER CONTROL PANEL

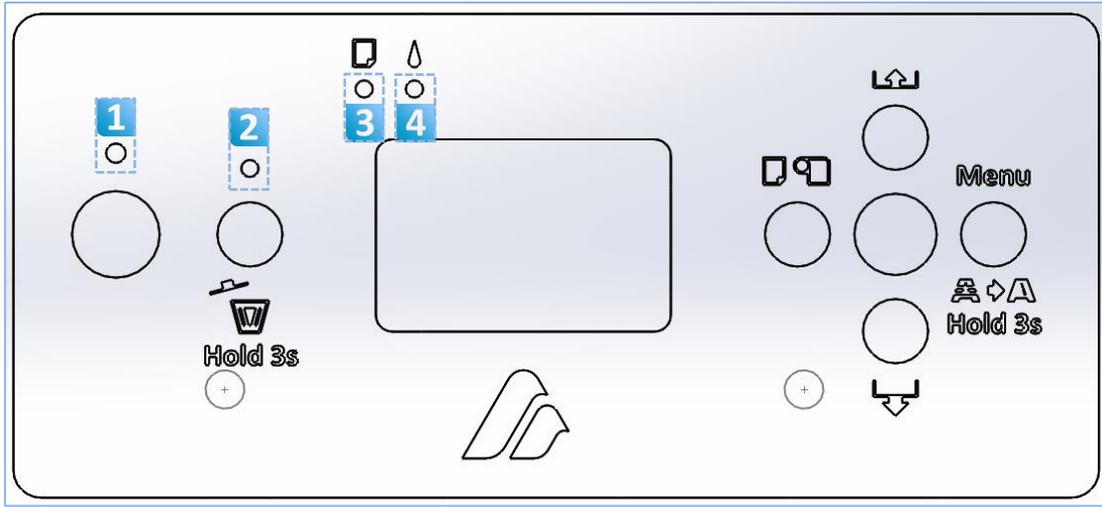


- 1 On/Off**
Sub Power switch (printing unit on/off)
- 2 Pause**
Pause button DO NOT USE THIS ONE / Hold 3 sec to reset the printer
- 3 Up Arrow**
Up Arrow (used in menu navigation)
- 4 Enter**
- 5 Left Arrow**
Left Arrow (used in menu navigation) / Media adjustment always need to be set on Roll Icon
- 6 Down Arrow**
Down Arrow (used in menu navigation)
- 7 Menu Button /Right Arrow**
Menu Button/Right Arrow/ Hold 3 sec for small cleaning



PRINTER CONTROL PANEL INDICATOR

- 1** GREEN
- 2** YELLOW
- 3** RED 1
- 4** RED 2



Green	Yellow	Red1	Red2	Status
Flashing	Off	Off	Off	Power On / Cleaning / Printer busy / Printing
Solid	Off	Off	Off	Printer Ready
Solid	Solid	Off	Off	Pause , Menu setting
Off	Solid	Off	Solid	Ink notice , warning , error
Solid	Solid	Flashing	Off	Media Error
Flashing	Flashing	Flashing	Flashing	Service Call

INK

If you bought a complete set of ink bottles with your machines - Cyan, Magenta, Yellow, Black, White, Gloss It is extremely important to follow all guide lines and procedures when using any type of UV ink.

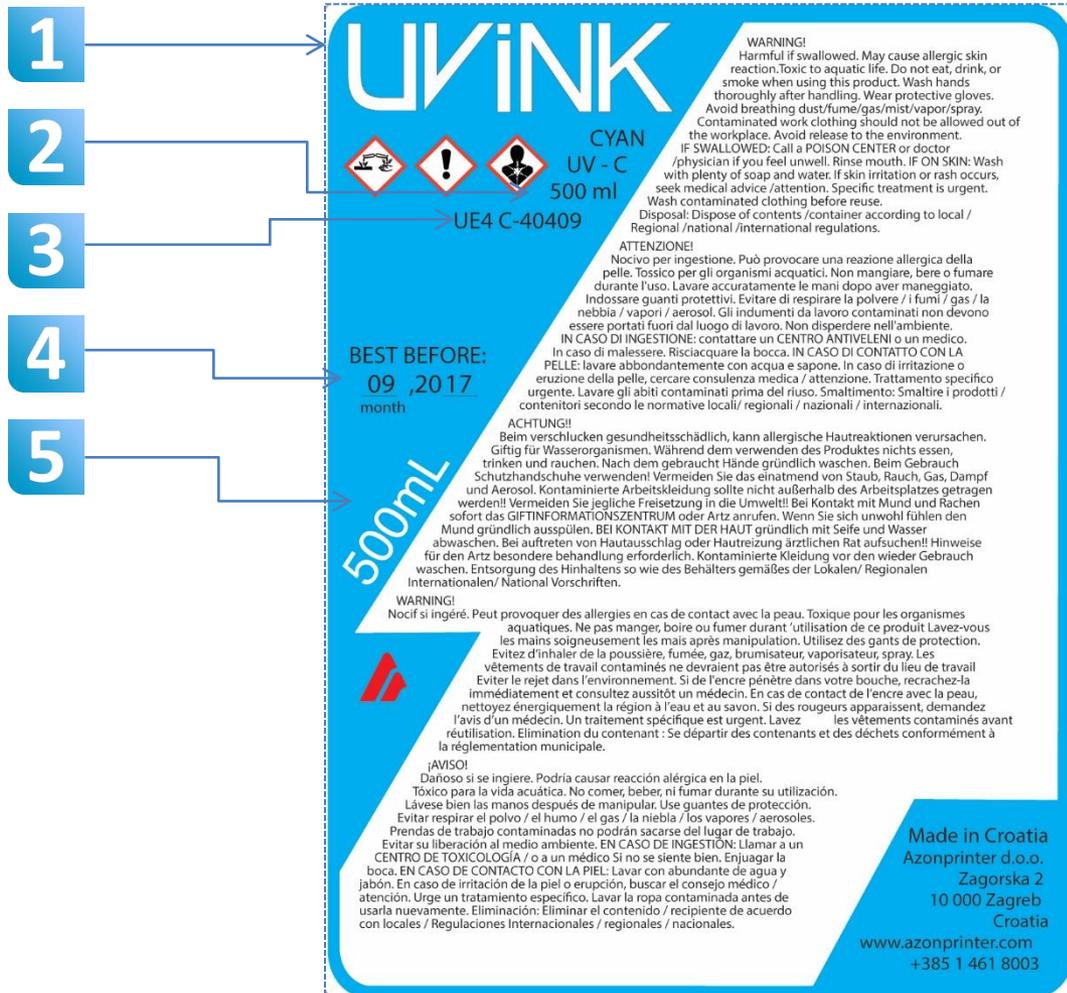
Why?

UV inks when uncured can be harmful. Once cured by the UV/LED light inside your printer they are no longer harmful and can be handled freely.

- Inks are to be stored in a dry, cool location away from children.
- Keep inks out of direct sunlight.
- Always gently shake only the white ink bottle before you refill the printer. Shake for 1 minute.

INK BOTTLE LABEL

- 1 INK TYPE
- 2 VOLUME
- 3 BATCH NUMBER
- 4 BEST BEFORE
- 5 VOLUME



1 → **UViNK**

2 → **CYAN UV - C 500 ml**

3 → **UE4 C-40409**

4 → **BEST BEFORE: 09 ,2017 month**

5 → **500ml**

WARNING!
Harmful if swallowed. May cause allergic skin reaction. Toxic to aquatic life. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapor/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER or doctor /physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice /attention. Specific treatment is urgent. Wash contaminated clothing before reuse.
Disposal: Dispose of contents /container according to local / Regional /national /international regulations.

ATTENZIONE!
Nocivo per ingestione. Può provocare una reazione allergica della pelle. Tossico per gli organismi acquatici. Non mangiare, bere o fumare durante l'uso. Lavare accuratamente le mani dopo aver maneggiato. Indossare guanti protettivi. Evitare di respirare la polvere / i fumi / gas / la nebbia / vapori / aerosol. Gli indumenti da lavoro contaminati non devono essere portati fuori dal luogo di lavoro. Non disperdere nell'ambiente. IN CASO DI INGESTIONE: contattare un CENTRO ANTIVELENI o un medico. In caso di malessere. Risciacquare la bocca. IN CASO DI CONTATTO CON LA PELLE: lavare abbondantemente con acqua e sapone. In caso di irritazione o eruzione della pelle, cercare consulenza medica / attenzione. Trattamento specifico urgente. Lavare gli abiti contaminati prima del riutilizzo. Smaltimento: Smaltire i prodotti / contenitori secondo le normative locali/ regionali / nazionali / internazionali.

ACHTUNG!
Beim verschlucken gesundheitsschädlich, kann allergische Hautreaktionen verursachen. Giftig für Wasserorganismen. Während dem verwenden des Produktes nichts essen, trinken und rauchen. Nach dem gebraucht Hände gründlich waschen. Beim Gebrauch Schutzhandschuhe verwenden! Vermeiden Sie das einatmen von Staub, Rauch, Gas, Dampf und Aerosol. Kontaminierte Arbeitskleidung sollte nicht außerhalb des Arbeitsplatzes getragen werden! Vermeiden Sie jegliche Freisetzung in die Umwelt! Bei Kontakt mit Mund und Rauchen sofort das GIFTINFORMATIONSZENTRUM oder Arzt anrufen. Wenn Sie sich unwohl fühlen den Mund gründlich ausspülen. BEI KONTAKT MIT DER HAUT gründlich mit Seife und Wasser abwaschen. Bei auftreten von Hautausschlag oder Hautreizung ärztlichen Rat aufsuchen! Hinweise für den Arzt besondere Behandlung erforderlich. Kontaminierte Kleidung vor den wieder Gebrauch waschen. Entsorgung des Hinhaltens so wie des Behälters gemäßes der Lokalen/ Regionalen Internationalen/ National Vorschriften.

WARNING!
Nocif si ingéré. Peut provoquer des allergies en cas de contact avec la peau. Toxique pour les organismes aquatiques. Ne pas manger, boire ou fumer durant 'utilisation de ce produit Lavez-vous les mains soigneusement les mains après manipulation. Utilisez des gants de protection. Evitez d'inhaler de la poussière, fumée, gaz, brumisateur, vaporisateur, spray. Les vêtements de travail contaminés ne devraient pas être autorisés à sortir du lieu de travail Eviter le rejet dans l'environnement. Si de l'encre pénètre dans votre bouche, recrachez-la immédiatement et consultez aussitôt un médecin. En cas de contact de l'encre avec la peau, nettoyez énergiquement la région à l'eau et au savon. Si des rougeurs apparaissent, demandez l'avis d'un médecin. Un traitement spécifique est urgent. Lavez les vêtements contaminés avant réutilisation. Elimination du contenant : Se départir des contenants et des déchets conformément à la réglementation municipale.

¡AVISO!
Dañoso si se ingiere. Podría causar reacción alérgica en la piel. Tóxico para la vida acuática. No comer, beber, ni fumar durante su utilización. Lávese bien las manos después de manipular. Use guantes de protección. Evitar respirar el polvo / el humo / el gas / la niebla / los vapores / aerosoles. Prendas de trabajo contaminadas no podrán sacarse del lugar de trabajo. Evitar su liberación al medio ambiente. EN CASO DE INGESTIÓN: Llamar a un CENTRO DE TOXICOLOGÍA / o a un médico Si no se siente bien. Enjuagar la boca. EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante de agua y jabón. En caso de irritación de la piel o erupción, buscar el consejo médico / atención. Urge un tratamiento específico. Lavar la ropa contaminada antes de usarla nuevamente. Eliminación: Eliminar el contenido / recipiente de acuerdo con locales / Regulaciones Internacionales / regionales / nacionales.

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SETTING UP YOUR PRINTER

STEP 1

After unboxing its time to install printer at the proper location . . Refer to the site preparation guide above to choose perfect spot for printer .Connect printer into power grid [220V/110V] , do not turn on printer just yet.

STEP 2

Remove transport clamps from printer. Remove tape from carriage belt



Remove clamps from all 4 sides



SETTING UP YOUR PRINTER

STEP 3

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.



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.

IMPORTANT

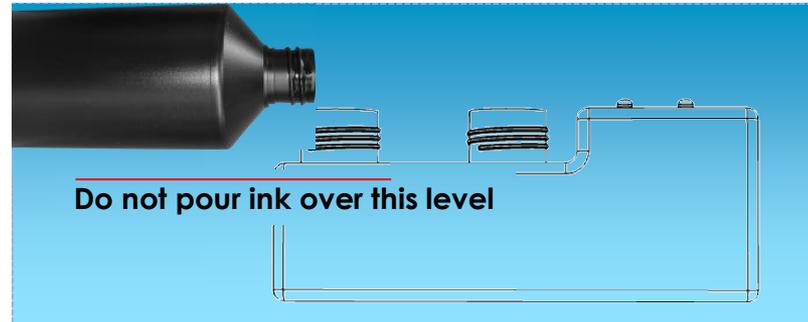
Before pouring white ink into printer shake it back and forth horizontally for about 1 minute each. Shake white ink only, do not shake colors or gloss



SETTING UP YOUR PRINTER

STEP 3

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.



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.

Do not close lid of machine bottles to the end ,it will make vacuum and machine will not be able to pull ink .

When moving machine close the lid all the way to the end .

SETTING UP YOUR PRINTER

STEP 4

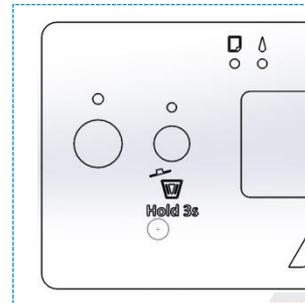
Turn the printer on
Set main power switch on ON
Turn on sub power switch
Turn on Printer Unit



Main Power Switch



Sub Power Switch



Printer Unit Switch

SETTING UP YOUR PRINTER

UNTIL NOW:

1

PRINTER IS POSITIONED AT THE RIGHT PLACE AND ALL CONDITIONS ARE OBAIED [TEMPERATURE, HUMIDITY ,ELEVATION] TRANSPORT CLAMPS ARE REMOVED

2

ALL INK TANKS ARE FILLED WITH CORESPONDING INK

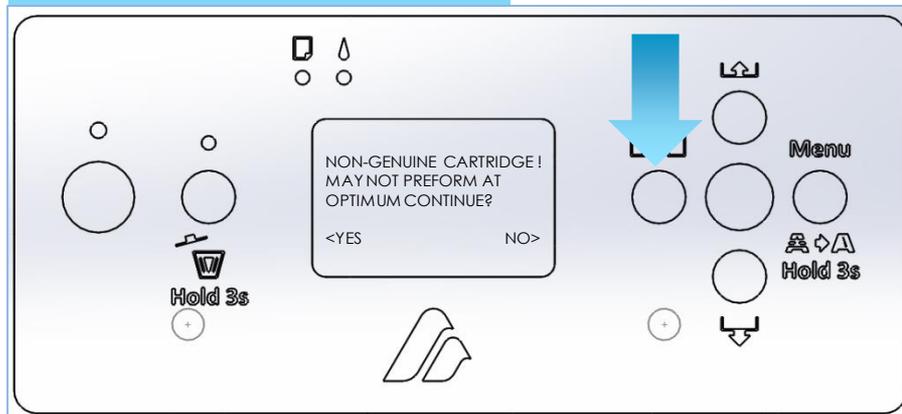
3

PRINTER IS NOW TURNED ON

SETTING UP YOUR PRINTER

STEP 4

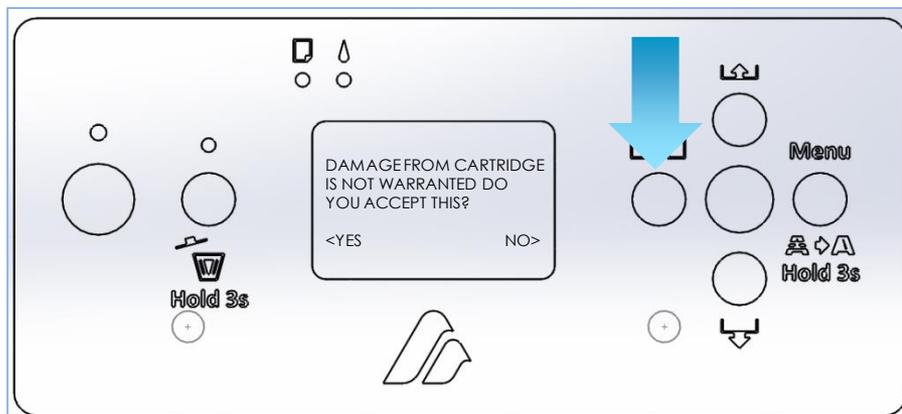
Clear Non Genuine message displayed on printer unit display. Follow instructions bellow :



PRINTER DISPLAY :

NON-GENUINE CARTRIDGE ! MAY NOT PREFORM AT OPTIMUM CONTINUE?

CLICK LEFT ARROW [YES]



PRINTER DISPLAY :

DAMAGE FROM CARTRIDGE IS NOT WARRANTED DO YOU ACCEPT THIS?

CLICK LEFT ARROW [YES]

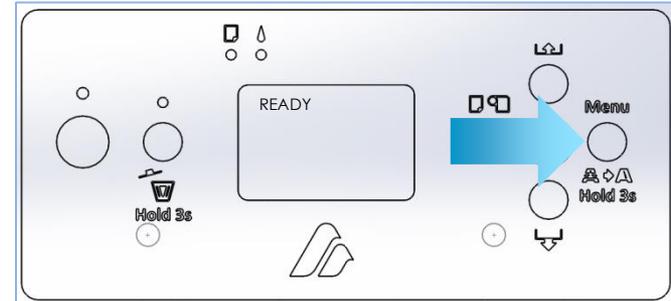
SETTING UP YOUR PRINTER

STEP 5

After clearing non-genuine message wait for printer display to say: READY . Once READY its time to charge ink follow the instruction's bellow :

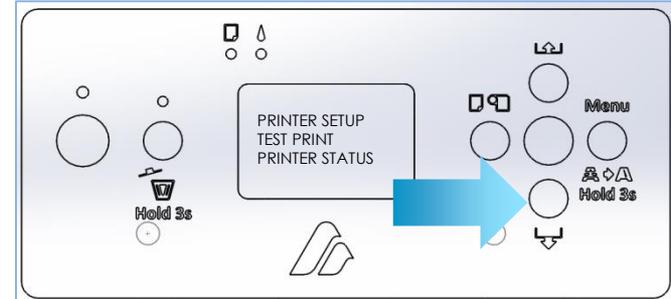
1

Once the printer says
“READY” press “MENU”
button



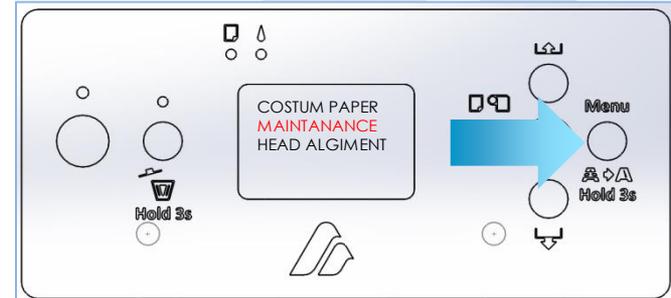
2

Scroll “DOWN” and
select
“MAINTANANCE”



3

Enter the
“MAINTANANCE”
options by pressing
the “MENU” button



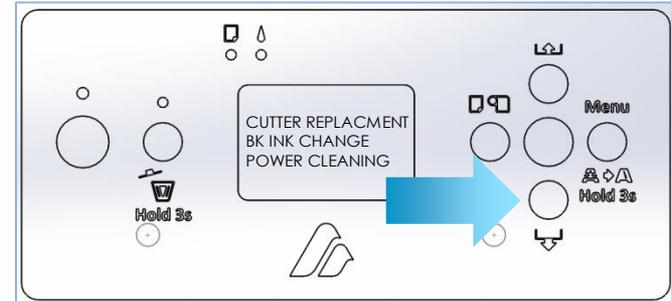
SETTING UP YOUR PRINTER

STEP 5

After clearing non-genuine message wait for printer display to say: READY . Once READY its time to charge ink follow the instruction's bellow :

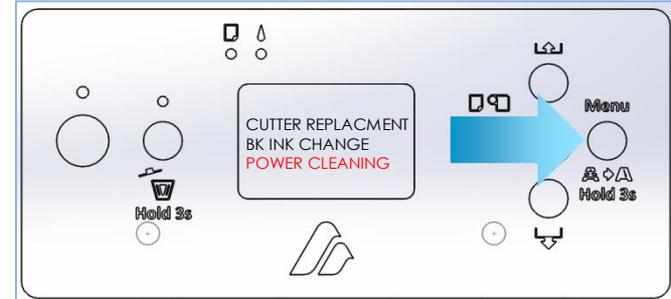
4

Scroll "**DOWN**" and select "**POWER CLEANING**"



5

Start "**POWER CLEANING**" function by pressing "**MENU**" button



6

Confirm the "**POWER CLEANING**" function by pressing "**MENU**" button. (warning message for levers)



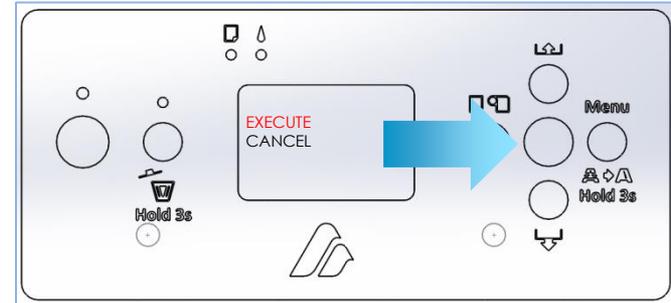
SETTING UP YOUR PRINTER

STEP 5

After clearing non-genuine message wait for printer display to say: READY . Once READY its time to charge ink follow the instruction's bellow :

7

Press **“ENTER”** to execute power cleaning



IMPORTANT

Do not leave printer unintended , after some time it will ask you to rise/lower levers. Levers are control from LCD touch panel under the group „settings”

IMPORTANT

After first powerful cleaning repeat process one more time . 2 powerful cleanings are enough to fill the system with ink .

SETTING UP YOUR PRINTER

STEP 6

Ink is now inside system , it is time to make a nozzle check. Nozzle check will show you print head status .



Nozzle check sheet need to be placed directly under the print head path [printer does not need to go to print mode to make a nozzle check]Once the nozzle check sheet is placed rise the machine up for 2 cm and then lower it down.
Printer will automatically adjust the print head height .
You are ready to make a nozzle check follow the instructions bellow :

IMPORTANT

Feed axis is not important for nozzle check sheet positioning , as long as it stays to the right edge of the table

IMPORTANT

When adjusting the head height make sure that nozzle check sheet is under the table and in range of laser sensors

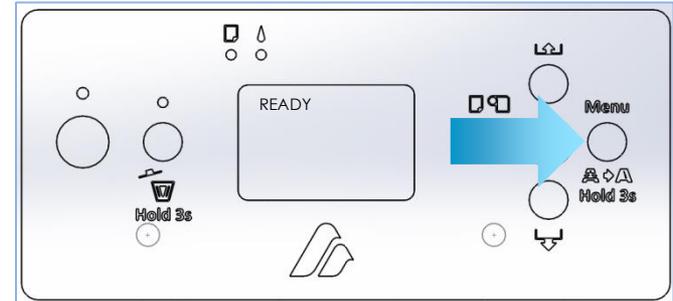
SETTING UP YOUR PRINTER

STEP 6

Ink is now inside system , it is time to make a nozzle check. Nozzle check will show you print head status .

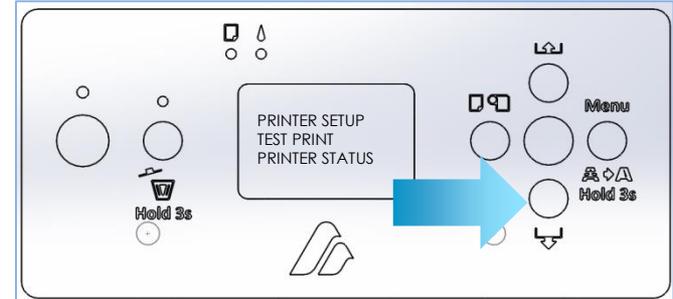
1

Once the printer says
“READY” press “MENU”
button



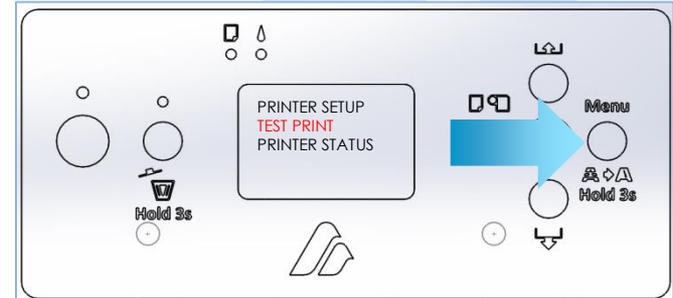
2

Scroll “DOWN” and
select “TEST PRINT”



3

Enter the “TEST PRINT”
options by pressing the
“MENU” button



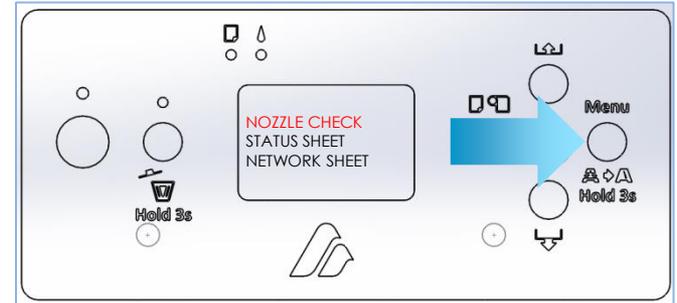
SETTING UP YOUR PRINTER

STEP 6

Ink is now inside system , it is time to make a nozzle check. Nozzle check will show you print head status .

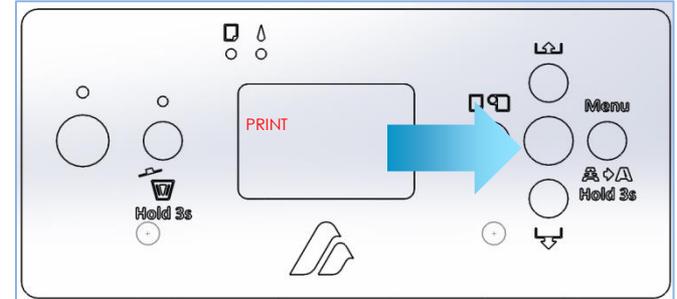
4

Select **"NOZZLE CHECK"** and press **"MENU"** button



5

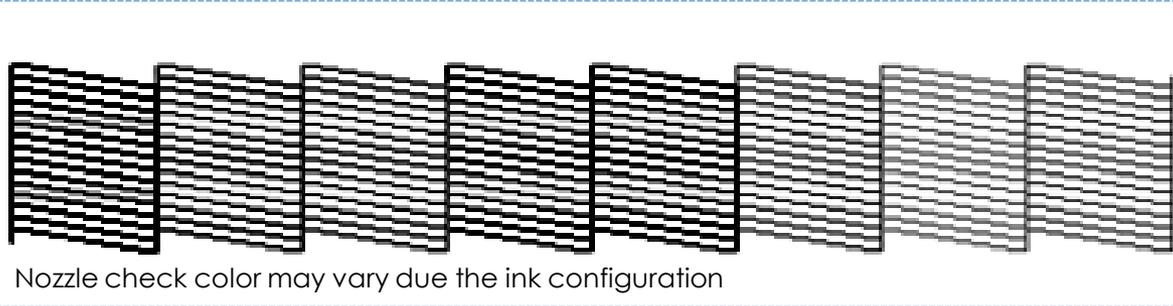
Press **"ENTER"** button to print nozzle check



SETTING UP YOUR PRINTER

STEP 6

When the Nozzle Check is complete inspect nozzlecheck 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.



SETTING UP YOUR PRINTER

UNTIL NOW:

- 1** PRINTER IS POSITIONED AT THE RIGHT PLACE AND ALL CONDITIONS ARE OBEYED [TEMPERATURE, HUMIDITY ,ELEVATION]
- 2** ALL INK TANKS ARE FILLED WITH CORESPONDING INK
- 3** PRINTER IS ON
- 4** NON-GENUINE MESSAGE IS CLEARED
- 5** 2 POWERFULL CLEANINGS ARE DONE
- 6** NOZZLE CHECK IS DONE [ALL NOZZLES ARE OKAY]

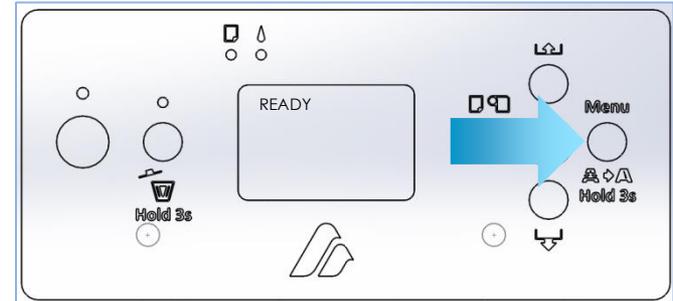
SETTING UP YOUR PRINTER

STEP 7

All Matrix series printers can adapt to any network infrastructure here is how you can adjust IP SM & GW to your needs.

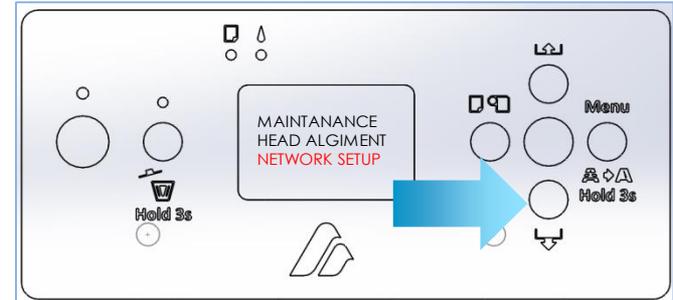
1

Once the printer says “READY” press “MENU” button



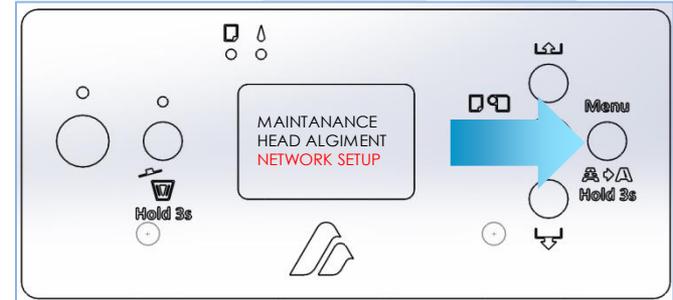
2

Scroll “DOWN” and select “NETWORK SETUP”



3

Enter the “NETWORK SETUP” options by pressing the “MENU” button



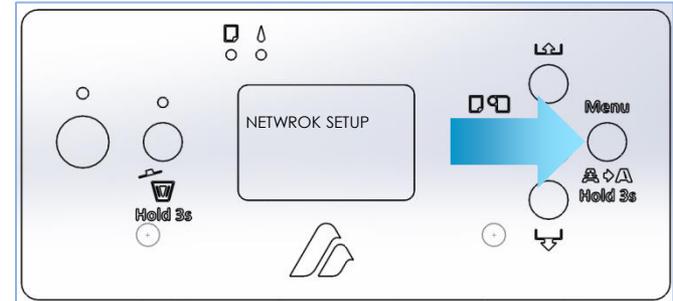
SETTING UP YOUR PRINTER

STEP 7

All Matrix series printers can adapt to any network infrastructure here is how you can adjust IP SM & GW to your needs.

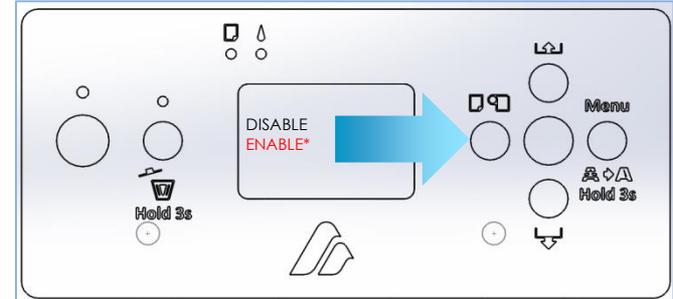
4

Press "**MENU**" button to confirm "**NETWORK SETUP**".



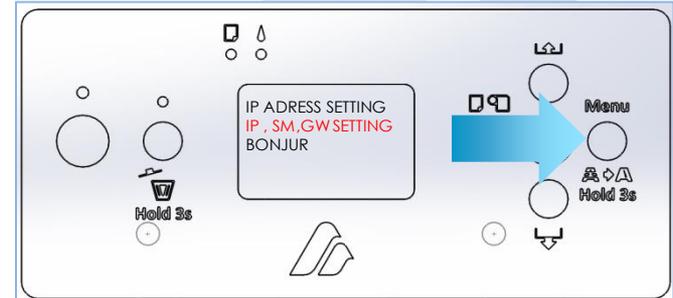
5

After adding "*****" to enable press "**LEFT ARROW**".



6

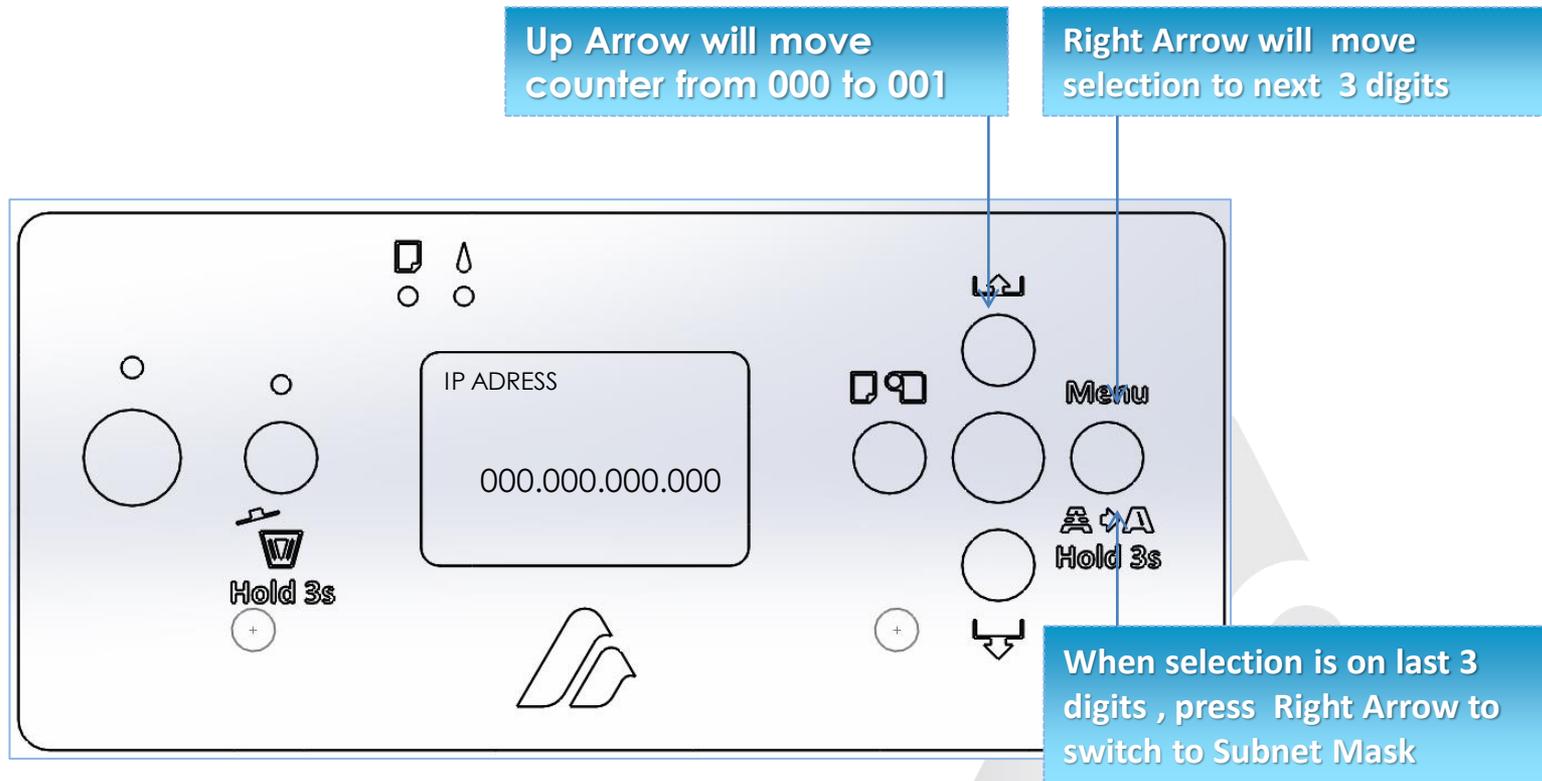
Scroll "**DOWN**" and select "**IP,SM,GW...**".



SETTING UP YOUR PRINTER

STEP 7

All Matrix series printers can adapt to any network infrastructure here is how you can adjust IP SM & GW to your needs.



IMPORTANT

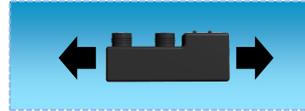
Set the printer IP & SM according to network infrastructure. Once the network configuration is complete return back to " **READY** " screen [press " **LEFT ARROW** "], restart printer unit.

POWER ON PROCEDURE

Power on procedure must be obeyed every time machines is starting up , not doing so you are risking serious damage to printer components .

STEP 1

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

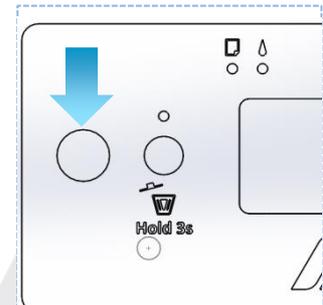


STEP 2

Turn on the printer , make sure there are no obstructions around printer before powering on. Turn on the green power switch located front control panel. Turn on printer unit power.



Green Power Switch



Printer Unit Switch

STEP 3

Wait for printer unit panel to come to READY, initiate recirculation function. [depends on version you may need to clear non genuine message]

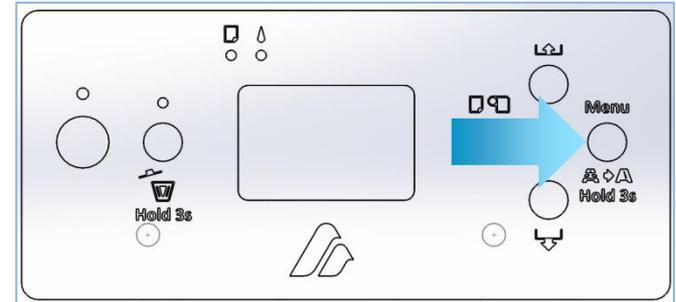


POWER ON PROCEDURE

Power on procedure must be obeyed every time machines is starting up , not doing so you are risking serious damage to printer components .

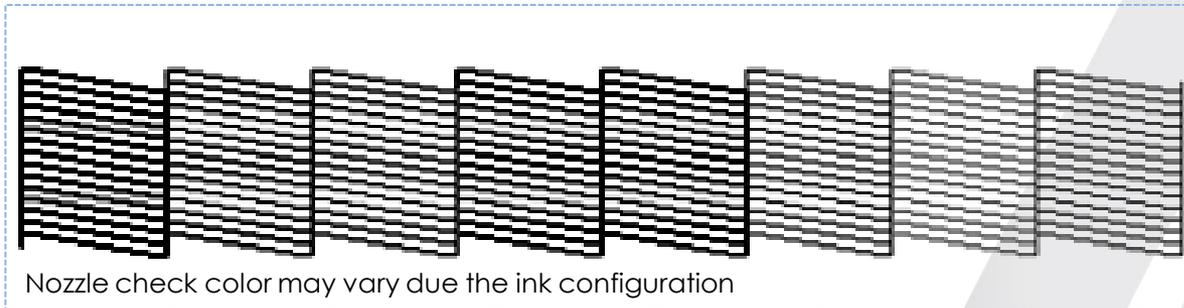
STEP 4

Hold **MENU** button for 3 sec on printer unit panel to initiate small cleaning.



STEP 5

Make a Nozzle check .



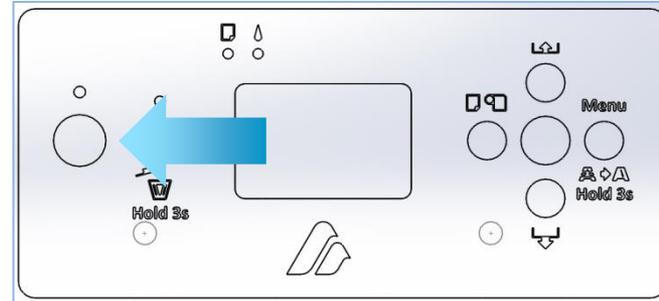
Nozzle check color may vary due the ink configuration

POWER OFF PROCEDURE

Power off procedure must be obeyed every time machine is shutting down, not doing so you are risking serious damage to printer components .

STEP 1

Shut down print unit.



STEP 2

Shut down complete printer by pressing green power button.



POWER OFF PROCEDURE

Power off procedure must be obeyed every time machine is shutting down, not doing so you are risking serious damage to printer components .

STEP 3

Set main switch to off



Main Power Switch

VACUUM PUMP INSTALATION

STEP 1

Set main switch to off.



STEP 2

Prepare Vacuum pump power cable



STEP 3

Prepare Vacuum pump Output Hose, 50mm diameter



STEP 4

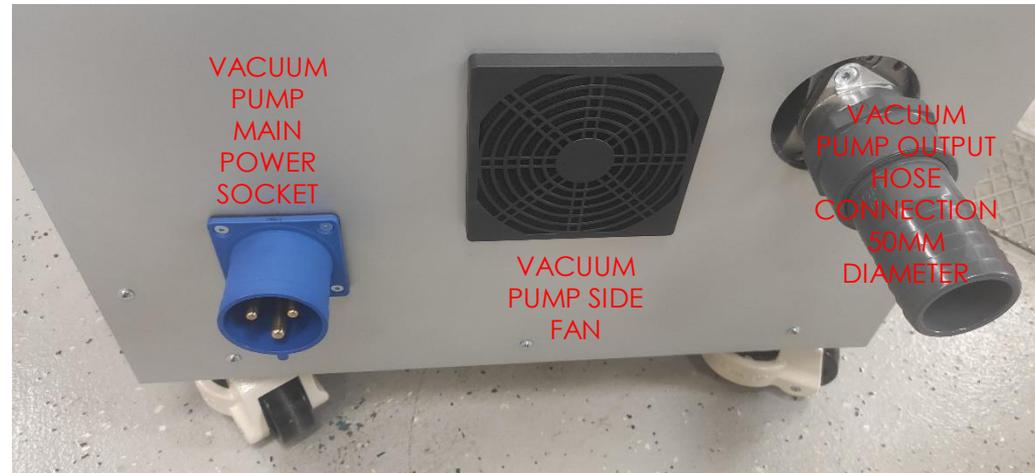
Prepare Vacuum pump Input Hose, 40mm diameter



VACUUM PUMP INSTALATION

STEP 5

Vacuum pump layout 1



STEP 6

Vacuum pump layout 2

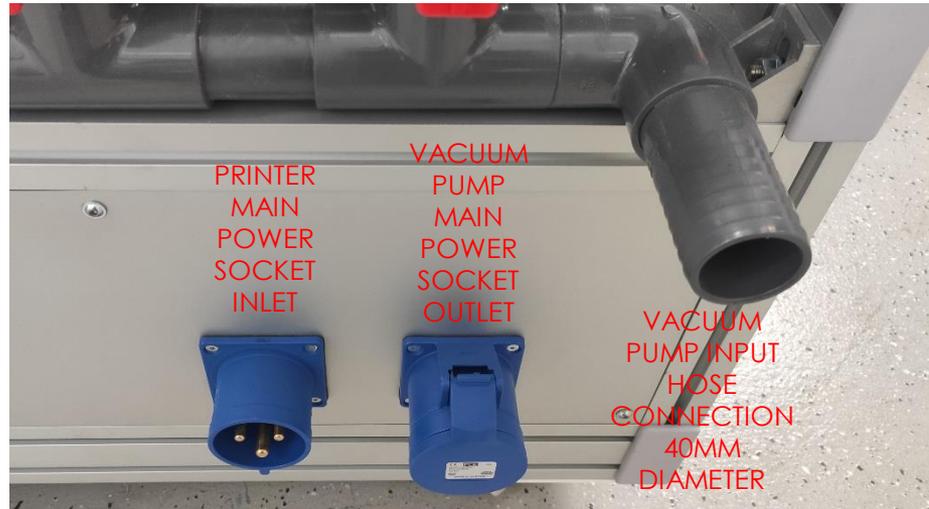


VACUUM PUMP INSTALATION



STEP 7

Printer back layout 1



STEP 8

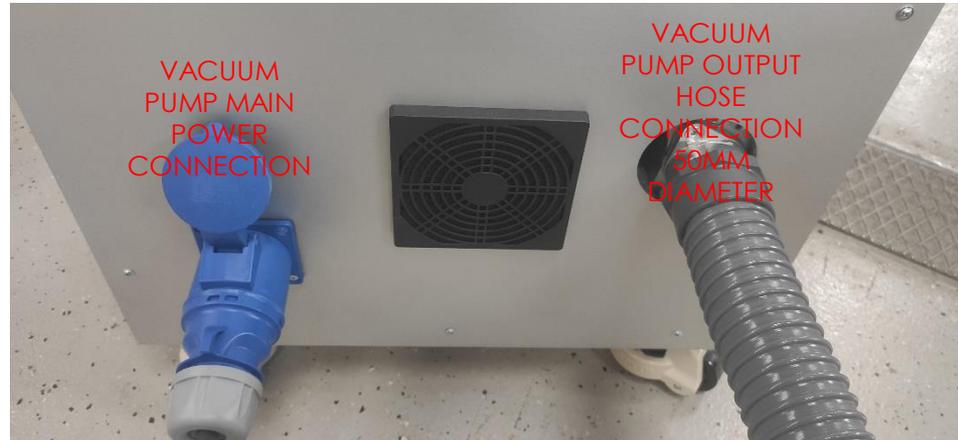
Printer back layout 2



VACUUM PUMP INSTALATION

STEP 9

Pump connection 1



STEP 10

Pump connection 2



VACUUM PUMP INSTALATION

Printer connection

STEP 11



Pump connection

STEP 12



VACUUM PUMP INSTALATION

FINAL connection

STEP 13

