



**Using the UV LED printing systems
BLUEMARK ID/BLUEMARK ID COLOR**

User manual



RSPSupply - 1-888-532-2706 - <https://www.RSPSupply.com>
See the product details here

User manual

BLUEMARK ID/BLUEMARK ID COLOR

UM EN BLUEMARK ID/BLUEMARK ID COLOR, Revision 00

2018-04-13

This user manual is valid for:

Designation	Version	Order No.
BLUEMARK ID		1003334
BLUEMARK ID COLOR		1002329

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1 Safety and the environment

Read this user manual carefully and keep it for future reference.

1.1 Description of the BLUEMARK ID/ID COLOR

BLUEMARK ID/ID COLOR are UV printers for labeling marking elements used in the field of electrical engineering. The BLUEMARK ID is a monochrome version, the BLUEMARK ID COLOR is a color version. Examples of printed materials include plastic and metal labels. The printing method is based on a printhead with an LED UV unit for curing the fluid. The printer is controlled via a personal computer. The supplied data medium contains user manuals, drivers, and our marking software, for example.

1.2 Identification of warning notes



This symbol indicates hazards that could lead to personal injury.

There are three signal words indicating the severity of a potential injury.

DANGER

Indicates a hazard with a high risk level. If this hazardous situation is not avoided, it will result in death or serious injury.

WARNING

Indicates a hazard with a medium risk level. If this hazardous situation is not avoided, it could result in death or serious injury.

CAUTION

Indicates a hazard with a low risk level. If this hazardous situation is not avoided, it could result in minor or moderate injury.



This symbol together with the **NOTE** signal word warns the reader of actions that might cause property damage or a malfunction.



This symbol and the accompanying text provide the reader with additional information or refer to detailed sources of information.

1.3 Intended use



WARNING: Danger to health due to incorrect usage

The BLUEMARK ID/ID COLOR is only intended for use in commercial or industrial sectors by persons that are older than 14 years of age. The BLUEMARK ID/ID COLOR may only be used while in proper working order and for the intended purpose. Users must act safely and must comply with the operating instructions.

Faults, in particular those which affect safety, must be eliminated immediately. Unauthorized modifications, which exceed the scope of replacing the fluid cartridge or cleaning cartridge and changes to the BLUEMARK ID/ID COLOR are not permitted for reasons of safety.

Only carry out the actions described in these operating instructions. Other tasks may only be performed by trained personnel or service engineers.



NOTE: The BLUEMARK ID/ID COLOR is solely intended to print on suitable material approved by Phoenix Contact. Only print on material with complete rows, as missing rows could damage the printhead. Only use consumables from Phoenix Contact. For the order numbers of the fluid cartridge and cleaning cartridge, please refer to "Ordering data".



Intended use includes observing the operating instructions. Before starting up the printer, you must have read and understood the operating instructions.

1.4 Qualification of users

This user manual is directed at those persons who are familiar with the relevant safety concepts for handling electrical machines. Only persons who can identify hazards may commission, operate, and maintain the device.

1.4.1 Dangers to health



WARNING: Life-threatening danger from mains voltage

Never open the printer forcibly and do not carry out any repairs yourself. The BLUEMARK ID/ID COLOR is free of voltage after the mains connector on the device has been disconnected.



WARNING: Risk of hand injuries

The sheets are fed into the magazine with the help of pins. Be careful not to injure yourself when handling the magazine.



WARNING: Danger of crushing

There are moving parts inside the printer. Never operate the BLUEMARK ID / ID COLOR without its cover in place and do not attempt to access the inside of the device through the device openings during operation. Otherwise, there is a risk of injury.



WARNING: Irritation due to the fluid

Information on the hazards from the fluid can be found in the latest valid safety data sheet for the consumables (see "Appendix"). The safety data sheet can be downloaded at:

phoenixcontact.net/qr/1002329

1.4.2 Risk of device damage



NOTE: Notes on power connection

The BLUEMARK ID/ID COLOR is designed for power networks with an AC voltage of 100 V to 240 V. Only connect the printing system to sockets with a ground conductor contact.

Only connect the BLUEMARK ID/ID COLOR to devices that have protective extra-low voltage. Before establishing or disconnecting connections, switch off all affected devices (computer, printer, accessories).



NOTE: Protect the BLUEMARK ID/ID COLOR against moisture

Only operate the BLUEMARK ID/ID COLOR in a dry environment and do not expose it to any moisture (splash water, mist, etc.) or dust.



NOTE: Always secure the printer prior to transport

If you have to transport the printer, the printhead must be secured in place. The device is fitted with an automatic transport lock.

You will also need to replace the fluid cartridge with a dummy cartridge. Otherwise, fluid can leak from the printhead and contaminate the printer or render it unusable.

Always use the original packaging for transportation.



NOTE: Disconnect the magazine before replacing it

The BLUEMARK ID/ID COLOR has a magazine that can be removed and replaced, if required. The magazine must only be removed after it has previously been disconnected by making an entry on the display.

Do not attempt to forcibly pull out the magazine. This could lead to damage to the material or the device. When inserting, you should be able to hear the magazine engage with a click.

1.4.3 Notes on use



NOTE: Limited durability of the fluid

The UV-curing fluid has limited durability. Once the expiry date is reached, the fluid cartridge must be replaced. The printer will notify you that the durability period is about to expire (see “Replacing the fluid cartridge and cleaning cartridge”).

The fluid cartridge is designed for single use and cannot be refilled.

If the printer is not used over longer periods, the dummy cartridge has to be inserted (see “Inserting the fluid cartridge during startup”).



NOTE: Notes on storage

Store the fluid cartridge at 0°C ... 20°C to reach the optimum expiry date.

1.5 Disposal



The BLUEMARK ID/ID COLOR contains valuable recyclable materials, which should be utilized after the useful life (lifecycle) of the printer has ended.

The PCB of the BLUEMARK ID/ID COLOR is equipped with a lithium battery that must be disposed of according to local regulations.

Please support us by contacting your local Phoenix Contact sales office to determine the best way of returning the old device. Phoenix Contact will then handle the necessary recycling and disposal measures.

- Dispose of the printer separately from other waste, i.e., via an appropriate collection site.



Dispose of the fluid cartridge correctly

Empty fluid cartridges can be disposed of with domestic waste. Used fluid cartridges that are not empty must be disposed of as hazardous waste, in the same way as ink residue, for example. Please observe the local regulations.

Further information on disposal can be found in the latest valid safety data sheet for the consumables. The safety data sheet can be downloaded at:

phoenixcontact.net/qr/1002329



Dispose of the cleaning cartridge correctly

The cleaning cartridge must be disposed of as hazardous waste, in the same way as ink residue, for example. Please observe the local regulations.

Further information on disposal can be found in the latest valid safety data sheet for the consumables. The safety data sheet can be downloaded at:

phoenixcontact.net/qr/1002329

2 Starting up the printer

2.1 Scope of supply

- Printer
- Power cable
- USB cable
- DVD with driver and marking software
- Printed user manual (German/English)
- Brief instructions
- Dummy cartridges (inserted into the device)

The DVD also contains this user manual in several languages.

2.2 Unpacking

- Check the printer for transport damage.
- Retain the original packaging and the dummy cartridges for subsequent transport.

2.3 Requirements for the installation location



NOTE: Damage to the printer

Place the printer in a dry location protected from splash water. Protect the printer and printing materials from humidity, moisture, dirt and heat.

- Place the printer on a level surface.
- Ensure free access and sufficient free space in front of the printer (tray protrudes from the front during manual feed).
- Make sure not to block the ventilation slots.
- Place the printer on a solid and clean surface, e.g., table or workbench. Avoid placing the printer on soft ground, such as carpets, foam mats, or fibrous material that could block the ventilation slots.

General:

- Do not place anything on the printer.

2.4 Overview of the device

2.4.1 Outside view



Figure 2-1 BLUEMARK ID/ID COLOR device overview

- 1 Control panel
- 2 Button for standby mode
- 3 LED
- 4 Output magazine
- 5 Tray
- 6 Fluid cartridge cover
- 7 Cleaning cartridge cover
- 8 Infeed magazine
- 9 Infeed magazine cover

LED	
Green	Ready to operate
Red	Device in standby
Flashing red	Error state, press the pushbutton and follow the information on the display

2.4.2 View of fluid cartridges and cleaning cartridge [with open cover]



Figure 2-2 BLUEMARK ID COLOR/BLUEMARK ID fluid cartridges

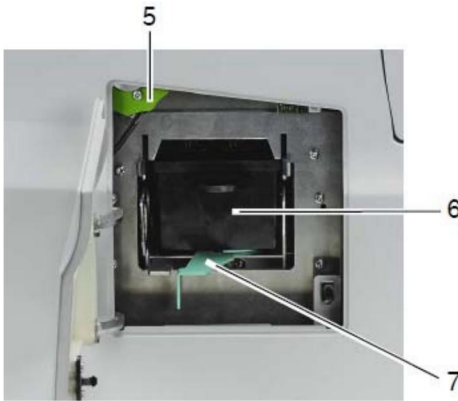


Figure 2-3 BLUEMARK ID COLOR/BLUEMARK ID cleaning cartridge

- 1 Tank cap
- 2 Black and color fluid cartridges
- 3 Tank cap
- 4 Black fluid cartridge
- 5 Printhead handwheel
- 6 Cleaning cartridge
- 7 Release lever

2.5 Inserting the fluid cartridge during startup



NOTE: Clean conditions when replacing the cartridge

Ensure a clean environment when replacing the fluid cartridge. Avoid dust or lint on the tank or in the device. Otherwise, the ink system becomes dirty and the print quality is reduced.

For safety reasons, the BLUEMARK ID/ID COLOR is delivered with a dummy cartridge. The first step is to replace the dummy cartridge by a fluid cartridge that you can order from Phoenix Contact.

- Connect the printer to the mains using the corresponding power cable. The printer has a wide-range power supply unit (100 V AC ... 240 V AC), so that voltage switching on the device is not required.
- Switch on the printer using the on/off switch on the rear of the device.
- Open the fluid cartridge cover.
- Open the tank cap by applying light pressure to the tank cap towards the right-hand side of the printer, and remove the dummy cartridge.
- Push in the new fluid cartridge from the top.

Ensure that the tank of the BLUEMARK ID COLOR is aligned and positioned correctly by assigning the color correctly to the associated compartment. (See Figure 2-2)

- Then close the tank cap again until it snaps into place.
- Repeat these steps for the BLUEMARK ID COLOR until all cartridges have been replaced.
- Close the fluid cartridge cover again.



When the printer is started for the first time, the ink system is filled with ink. This process will take a few minutes.



NOTE: Retain the dummy cartridge

It is clearly marked DUMMY.

It should be inserted again before the device is shipped.

2.5.1 Overview of the interfaces

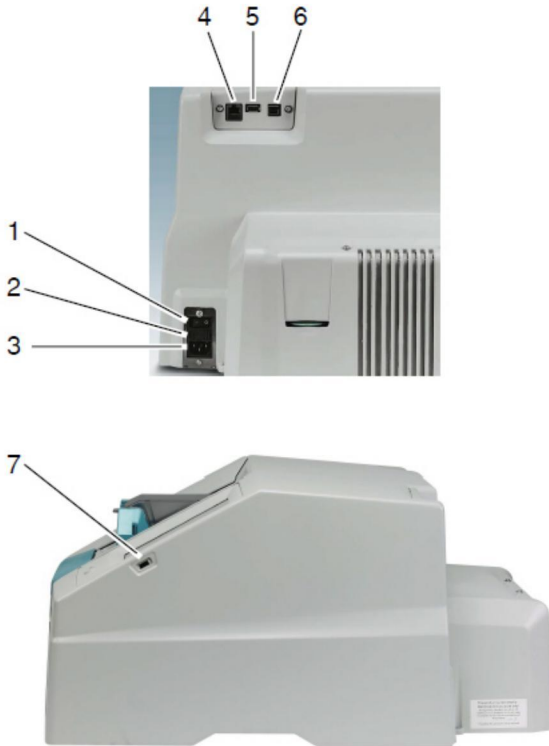


Figure 2-4 Overview of interfaces

- 1 On/off button
- 2 Fuses
- 3 Mains connection
- 4 Ethernet port (LAN)
- 5 USB host port
- 6 USB device port
- 7 USB host port

2.5.2 Connecting to a computer via USB



NOTE:

Errors during operation due to insufficient or missing shielding

Make sure that all connecting cables connected to the printer are shielded.

Requirements

Prior to driver installation, the following requirements must be met:

- The dummy cartridge has been replaced with a normal fluid cartridge.
- The BLUEMARK ID/ID COLOR is installed in a suitable location.
- The BLUEMARK ID/ID COLOR is connected to the power supply, but is switched off.
- The BLUEMARK ID/ID COLOR is not yet connected to the PC.

Start driver installation with the supplied installation program, which uninstalls any existing older BLUEMARK drivers and copies the new drivers.

- Insert the supplied DVD.
- Select the relevant driver and start the installation process.

A new window appears.

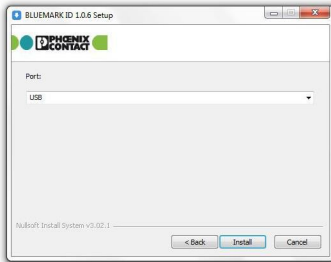


Figure 2-5 Driver installation: USB

- Select “USB” from the drop-down menu and click “Install”.

Any older BLUEMARK drivers will be uninstalled, and the new drivers will be copied. A message window appears as soon as this process is complete.

- Confirm the message with “Ok”.
- Connect the printer to the PC using the supplied USB cable. The smaller USB connector (type USB B, bottom connector in the image) is connected to the printer, and the wider connector (top connector in the image) is connected to the PC.



Figure 2-6 USB cable

- Switch on the printer.

The PC will respond and install the pre-installed driver.

Firmware updates for the latest drivers can be found at

phoenixcontact.net/catalog

2.5.3 Connecting to a network via Ethernet



NOTE: Errors during operation due to insufficient or missing shielding

Make sure that all connecting cables connected to the printer are shielded.

The integrated Ethernet interface allows the printer to be operated in a network. A patch cable with RJ45 connector for 10Base-T or 100Base-T is required in order to connect the printer to a network socket.

The following parameters are required in order to operate the printer in a network. If necessary, contact your network administrator.

- IP address
- Subnet mask
- Gateway, if necessary

Alternatively, you can also obtain the Ethernet configuration via a DHCP server.

Further setting options are available in the menu. You can configure the Ethernet interface here.



- Touch this symbol.



- Touch this symbol.
- Enter the admin PIN (“0000”).



- Touch this symbol.



- Touch this symbol.
- Disable DHCP. An input mask appears.
- Enter the IP address, subnet mask, and gateway, if required.

2.5.4 Installing drivers

- Start driver installation with the supplied installation program, which uninstalls any existing older BLUEMARK drivers and copies the new drivers.
- Insert the supplied DVD.
- Select the relevant driver and start the installation process.

A window appears.

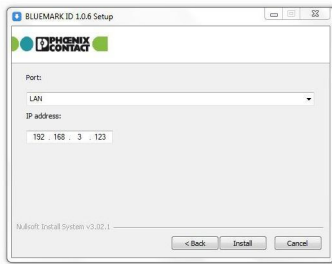


Figure 2-7 Driver installation: LAN

- Select “LAN” from the drop-down menu.
- Enter the IP address that has been assigned to your printer.
- The IP address can be read on the printer. Enter the IP address.
Example: IP address 172.24.20.109 or 172024020109.
- Once you have entered the IP address, click “Install”.

The printer driver will be installed and the printer is then ready for operation.

2.6 Printer menu




2.6.1 Using the control panel

- To select a menu item, briefly touch the corresponding symbol.
- Move your finger up and down the control panel to scroll the list.

If the printer is not used for a longer period, it automatically switches to standby mode. Touch the on button briefly to wake up the printer.

2.6.2 Changing the language

The language of the printer is set to English by default. To later select a different language, proceed as follows:








-  • Touch this symbol.
-  • Touch this symbol.
- Enter the admin PIN (“0000”).
-  • Touch this symbol.
- Touch the desired language.




2.6.3 Start screen












Figure 2-8 BLUEMARK ID / BLUEMARK ID COLOR start screen

2.6.4 Printer settings

Menu item	Setting option
	Adjust brightness of the display
	Help on any printer issues as well as videos that explain printer handling and error removal can be found under the documentation button.
	The keyboard layout you wish to use can be defined under the keyboard layout button. When entering data, you can switch between the pre-selected keyboard layouts.
	The test print projects that can be output directly from the printer without the MARKING Editor app are stored under the test print button. These test prints can be used to test the print quality.
	<p>The user will find the following functions under the settings and service button:</p> <ul style="list-style-type: none"> - Replace the cleaning cartridge - Clean the printhead - Unlock the infeed magazine - Unlock the output magazine - Standby
	<p>Information about the hardware can be found under the hardware status button:</p> <ul style="list-style-type: none"> - Printer order number - Printer designation - Printer serial number - Number of print jobs - Operating time in hours - Network address
	Display the installed firmware version

Menu item		Setting option
		<ul style="list-style-type: none"> - LAN settings - Export the log file - System language - Country - Date and time - Change admin PIN (set to 0000 by default)
		Software license terms of the Open Source Initiative (OSI)
		Imprint and contact information

2.6.5 Advanced settings (PIN-protected)

Menu item		Setting option
		Admin PIN "0000"
		Set the LAN parameters
		Export the log file
		Set the date and time
		Set the language
		Set the country to view the Phoenix Contact subsidiary (under "Imprint and contact information" )
		Change the admin PIN

2.7 Creating print jobs

You can create print jobs on the control panel or on the PC. You can connect an external keyboard or mouse for entering information on the display.

- Connect the keyboard or mouse to the USB interface on the control panel. The USB interface on the rear of the device is not suitable for this purpose and does not work with a keyboard or mouse.

Creating a print job using the control panel

- Select “Marking-Editor” on the control panel and create a marking.
- Alternatively, load the material and close the tray.
- Select “Smart Edit” on the control panel and create a marking.
- To start printing, touch the printer icon in the top right corner.
- A window opens in which you can set the print parameters.
- Touch the button for printing.

Creating print jobs using the marking software

- Create the print jobs using the marking software.

The marking software can be used to create markings on the PC which are suited to the Phoenix Contact marking material.

- Select the BLUEMARK ID / BLUEMARK ID COLOR as the printer. You will be provided with a list of materials suitable for this printer.

The marking software is supplied with the printer and can also be downloaded from the e-shop.



3 Printing

3.1 Switching on the device



Figure 3-1 Mains switch on the rear of the device

Test print

- Select:  

Under test print, the test print projects that can be started directly from the printer without the MARKING Editor app are stored. These test prints can be used to test the print quality. There are projects available for UC/UCT and US material as well as for 300 dpi and 600 dpi.

3.2 Loading the material



NOTE: Only use material that has been approved by Phoenix Contact

- Make sure that the different sheet types are inserted and positioned correctly.
- Make sure that there are no foreign objects in the insertion area.
- Make sure that the sheets are not damaged and no broken parts stick up.

UC / UCT / magazine:

There are two options to feed in the material:

- In the infeed magazine (mag. 20/mag. 40)
- Manual feed-in of individual sheets

When loading sheets to the infeed magazine, make sure the sheets are aligned (skid opening downwards) and positioned correctly (do not drop them into the magazine).



Figure 3-2 Loading sheets to the infeed magazine

The infeed magazine can also be loaded outside the printer (pre-loading). During pre-loading, make sure that the infeed magazine is positioned on a level surface.

When inserting the infeed magazine in the printer, you should be able to hear and feel the magazine engaging.

If UC/UCT sheets are not recognized, check them for damages in the coding area.

US sheets

Before US sheets are loaded, the adapter must be inserted into the tray. Make sure the adapter is inserted correctly.



Figure 3-3 Inserting the adapter



US sheets can only be loaded manually. The material has two holes which fit over the pins in the tray. The elongated hole must be on the left-hand side.

- Confirm the print job on the display. The printer checks the material. If the material is loaded correctly, printing is started. Once printed, the tray is moved out again.
- Remove the material.

After printing US sheets, the adapter must be removed again. The adapter can be stored in the fluid cartridge cover.



Figure 3-4 Fluid cartridge cover

Strip material

Various adapters (e.g., BLUEMARK MAG AI-WM) are available as accessories in order to mark strip material. The strip material can be inserted into these adapters.



NOTE: Insert the strip material flush in the adapter to avoid damaging the device. Edges or corners must not protrude. When inserting the adapter, ensure that both arrows are pointing to the rear of the printer.

4 Maintenance and cleaning

4.1 Cleaning

4.1.1 Cleaning the printer



NOTE: Damage to the printer due to abrasive cleaning agents



Do not use abrasive cleaners or solvents to clean the outer surfaces or components.

- Clean the outer surfaces with a damp cloth. Use an all-purpose cleaner for higher levels of contamination.

4.1.2 Cleaning the printhead

A cleaning cycle is automatically carried out after extended downtime of the device. As soon as the print image quality starts to deteriorate, individual nozzles fail or parts of a line are missing, a cleaning cycle must be performed again.

Proceed as follows to clean the printhead:

- Touch   to open the menu.
- Select “Clean printhead”. Cleaning is started.

4.1.3 Cleaning the adapter for US sheets

In case of visible contamination, clean the non-slip pad of the adapter. Failure to observe this can lead to damage of the printer.

After prolonged use, the non-slip surface of the adapter may be contaminated with ink residues. These ink residues can be removed by pressing on standard sellotape.

4.1.4 Cleaning the display

Clean the display using a soft cloth in order not to scratch the surface.

Do not use solvents!

4.2 Replacing the fluid cartridge and cleaning cartridge

4.2.1 Notes on the fluid cartridge



WARNING: Irritation caused by the fluid

The fluid used contains substances which can cause irritation of the skin, eyes, and respiratory system. Sensitization of the skin might be a consequence.

Do not inhale vapor and avoid contact with the skin and eyes.

The fluid is harmful for aquatic organisms and may cause long-term adverse effects in an aquatic environment.

If your skin comes into direct contact with the fluid, wash the affected area thoroughly with water and soap. In the event of eye contact, rinse your eyes carefully and thoroughly with an eye bath or water.

Seek medical advice in the event of irritation to the skin or eyes.

Information on the hazards from the fluid can be found in the latest valid safety data sheet for the BLUEMARK ID/ BLUEMARK ID COLOR consumables at: phoenixcontact.net/1002329



NOTE: Store the fluid cartridge at 0°C ... +20 °C to reach the optimum expiry date. The contact surfaces of the fluid cartridges must be free of grease, dust, and lint.

Status of the fluid cartridge

The fill level of the fluid cartridge is monitored. The fill level is reduced with the number of printouts. When the cartridge is almost empty, a message is automatically displayed. Confirm the message with "OK". You can then continue printing. Have a new fluid cartridge available to replace the old one. If the indicator shows "0%", the fluid cartridge is empty and needs to be replaced.

The UV-curing fluid has limited durability. The printer automatically informs you 30 days in advance of the expiry date. Confirm this note. You can then continue printing.

Once the expiry date is reached, the fluid cartridge also needs to be replaced.

Life of the fluid cartridge

The life of the fluid cartridge mainly depends on the number of cleaning cycles and on the ambient temperature. The cleaning cycles are required to avoid air pockets in the ink circulation system (as for every inkjet printer), and to clean the printhead. Please note that frequent cleaning cycles will reduce the life of the fluid cartridge.

4.2.2 Replacing the fluid cartridge



NOTE: Clean conditions when replacing the cartridge

Ensure a clean environment when replacing the fluid cartridge, i.e., no dust or lint on the tank or in the device. Otherwise, the ink system becomes dirty and the print quality is reduced.

- Switch on the device.
- Open the fluid cartridge cover.
- Open the tank cap by applying light pressure towards the right-hand side of the printer, and remove the empty fluid cartridge.
- Insert the new fluid cartridge from above.

Ensure that the tank is aligned and positioned correctly according to the colors.
(See figure 2-2, page 13)

- Close the tank cap again until it snaps into place.
- Close the fluid cartridge cover and make sure that it is flush before pushing on it.

Proper disposal of the fluid cartridge

Empty fluid cartridges can be disposed of with domestic waste. Used fluid cartridges that are not empty must be disposed of as hazardous waste, in the same way as ink residue, for example. Please observe the local regulations.

4.2.3 Replacing the cleaning cartridge

- Start the “Replace cleaning cartridge” procedure on the control panel prior to opening the cleaning cartridge cover.
- The device prepares the replacement procedure.
- Open the cleaning cartridge cover when prompted on the control panel. (See Figure 2-2 or 2-3, page 13)
- Unlock the green lever. The cleaning cartridge is released slightly. Remove the cleaning cartridge.
- Insert the new cleaning cartridge until the green lever engages with a click.
- Close the cleaning cartridge cover.



We recommend changing the cleaning cartridge when prompted by the device at the latest. Otherwise, the print quality will be reduced.



NOTE: When removing the cleaning cartridge, do not touch the surface as fluid residue may still be present. Hold onto the lever only or use gloves.

The contact surfaces of the cleaning cartridge must be clean and free of grease.

Proper disposal of the cleaning cartridge

The cleaning cartridge must be disposed of as hazardous waste, in the same way as ink residue, for example. Please observe the local regulations.

4.3 Removing foreign objects from the printer

General:

- Wear gloves when removing foreign objects as there is a risk of touching the ink.
- Make sure not to damage any parts of the printer.

There are three access areas on the printer in order to remove foreign objects.

1. Infeed magazine

**WARNING: Risk of hand injuries**

The sheets are fed into the printer with the help of pins. Be careful not to injure yourself when handling the printer.

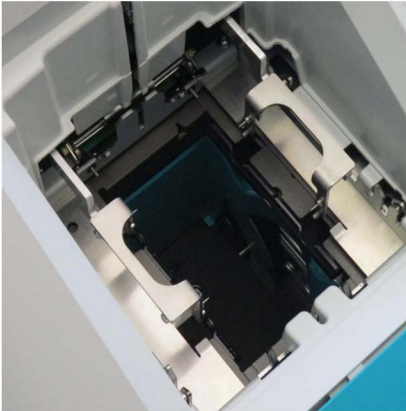


Figure 4-1 View of the gripper pins

2. Output magazine

- Opening the output magazine allows for the removal of foreign objects that might be present in this area.



Figure 4-2 View of output magazine

3. Cleaning cartridge

- Opening the cleaning cartridge cover allows for removal of foreign objects in this area, (see Figure 4-4 on page 35).

4.4 Manual operation via handwheel in the event of error messages

The printer is provided with two handwheels.



WARNING: These handwheels must only be used in agreement with Phoenix Contact.

1. Handwheel for moving the shuttle



Figure 4-3 Handwheel for shuttle

2. Handwheel for moving the printhead

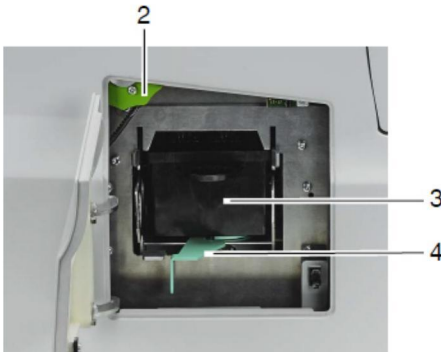


Figure 4-4 BLUEMARK ID COLOR/BLUEMARK ID cleaning cartridge

- 1 Handwheel for shuttle
- 2 Handwheel for printhead
- 3 Cleaning cartridge
- 4 Release lever

Blockage during handwheel use may likely be caused by a jam due to foreign objects. (See Section 4.3 “Removing foreign objects from the printer”)

The handwheels can also be used to set the shuttle and printhead to their home position, e.g., for transportation.

5 Maintenance and troubleshooting

5.1 Troubleshooting and error messages

General:

In the event of error messages and for troubleshooting, please proceed as indicated on the display.

5.1.1 Troubleshooting

Table 5-1 Troubleshooting

Error	Cause	Remedy	Page
The print image quality has worsened.	The print head is dirty or individual nozzles have failed.	Start cleaning, see “Clean the printhead” in Section 4.1.2.	page 29
Sheets are not being fed through.	The magazine is empty.	Refill with sheets.	page 25
	The sheets have jammed.	Remove the sheet jam.	page 33
The printer does not print even though it is switched on.	The interface cable is not connected.	Check the PC connection.	page 16 / page 18

5.1.2 Error messages

Table 5-2 Possible error messages

Error message	Cause	Remedy	Page
“Wrong media”	The loaded material does not correspond to the preset material.	Load the correct material.	page 25 / page 26
No adapter for US sheets inserted	No adapter for US sheets inserted	Insert adapter for US sheets	page 26
“Machine too hot”	Device has overheated	Allow the device to cool down.	-
“Shuttle blocked”	Material jammed	Remove blockage.	-

5.2 Repairs



WARNING: Hazard to operational safety

Incorrect operation or modifications to the device can endanger your safety or damage the printer. Do not repair the device yourself. If the device is defective, please contact Phoenix Contact.

5.3 Transporting or shutting down the device

5.3.1 Transport

- Pack the printer in the original packing for shipping.



NOTE: Damage to the printer

Before transporting the printer, remove the marking material and, if necessary, the adapter for the US sheets. Remove all fluid cartridges and replace them with the corresponding dummy cartridges.

5.3.2 Shutdown



NOTE: If the printer is not used regularly, i.e., no print job is implemented for the upcoming four weeks, the printer must be shut down.

- Insert dummy cartridges for all colors.
In this way, the ink system is emptied automatically and the device is shut down.

5.4 Software update

To benefit from improvements and function extensions, you can download updates at phoenixcontact.net/qr/1002329 and save them to a USB stick. **The update file must be saved in the root directory on the USB stick.**

- Switch on the device.
- Connect the USB stick to the USB interface on the control panel.

5.5 Standby

In standby mode, the printer must neither be disconnected from the mains nor must the main switch be switched off. Otherwise, permanent monitoring of the ink system is not active.

Set the printer to standby mode if it is not used for longer periods. Use the recommended method for this (see Section 5.3 “Transporting or shutting down the device”).

5.6 Disposal



NOTE: The device contains valuable recyclable materials, which should be utilized.

- Dispose of the printer separately from other waste, i.e., via an appropriate collection site.

The PCB of the device is fitted with a lithium battery.

6 Appendix

6.1 Ordering data

BLUEMARK ID/BLUEMARK ID COLOR and accessories

Description	Order designation	Order No.
UV LED monochrome printer, for printing plastic and metal labels for marking terminal blocks, conductors, and devices	BLUEMARK ID	1003334
UV LED color printer for printing plastic and metal labels for marking terminal blocks, conductors, and devices.	BLUEMARK ID COLOR	1002329
Infeed magazine for accommodating a maximum of 20 UniCard sheets	BM ID-MAG20	1044356
Infeed magazine for accommodating a maximum of 40 UniCard sheets	BM ID-MAG40	1044357
Adapter plate for accommodating US sheets	BM ID-ADAPTER PLATE-US	1044355

Consumables

Description	Order designation	Order No.
Replacement UV fluid, color: black	BM ID-CARTR. BK	1044345
Replacement UV fluid, color: cyan	BM ID-CARTR. CY	1044346
Replacement UV fluid, color: magenta	BM ID-CARTR. MA	1044347
Replacement UV fluid, color: yellow	BM ID-CARTR. YE	1044348
Replacement cleaning cartridge	BM ID-CLEANING CARTR.	1044350

Replacement parts for transportation

Description	Order designation	Order No.
Dummy cartridge, black, for transportation	BM ID-DUMMY CARTR. BK	1044351
Dummy cartridge, cyan, for transportation	BM ID-DUMMY CARTR. CY	1044352
Dummy cartridge, magenta, for transportation	BM ID-DUMMY CARTR. MA	1044353
Dummy cartridge, yellow, for transportation	BM ID-DUMMY CARTR. YE	1044354
Original packaging for transportation	BM ID-CARDBOARD BOX	1044361

6.2 Technical data

Technical data	
Resolution	600 dpi x 600 dpi
Print mode	UV inkjet
Print speed	30 mm/s, 40 mm/s and 50 mm/s
Print length	140 mm, maximum
Print width	104 mm, maximum
Print medium	UC, UCT, UM material; UC
Display and operation	Touch display
Voltage	100 V AC ... 240 V AC, 50/60 Hz
Temperature (no exposure to direct sunlight)	
Operation	+5°C ... +35°C
Storage	-15°C ... +45°C
Transport	-20°C ... +50°C
Humidity	
Operation	10ID/ID ... 80ID/ID, non-condensing
Storage	10ID/ID ... 85ID/ID relative humidity, non-condensing
Transport	90ID/ID relative humidity, maximum, non-condensing
Approvals	CE, CB
Dimensions (H x D x W)	340 mm x 675 mm x 525 mm
Weight	21 kg

Technical data

Emission sound pressure level LpA	55 dB (A)
Degree of protection	IP31

6.3 Approvals and statements

6.3.1 FCC

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. The equipment generates, uses and can radiate radio frequency 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 may be required to correct the interference at his own expense.

6.3.2 PL Code Statement

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