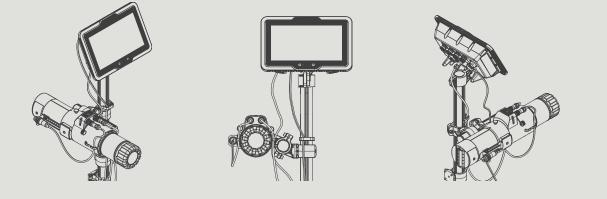


PicAS®II EBS-1600 BASIC USER MANUAL

Industrial DROP ON DEMAND Printers Original Instructions





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You can find our user manuals at: manual.ebs-inkjet.de



Before using the PicAS[®]II EBS-1600 printer, please read carefully the documents that come together with the printer, especially the Safety Manual and the material safety data sheets (MSDSs) for consumables in use.



This User Manual should be easily accessible and ready to use whenever the need to do so arises.

This version of the document includes most of the modifications implemented to the **EBS Ink Jet Systeme GmbH** printers up to software version **1.02.41.0**, and the descriptions contained herein concern the printers on which this software version is installed. The scope of delivery depends on the order, therefore it may happen that the actual equipment and functions of your printing system differ slightly from some descriptions or illustrations. As we need to keep pace with continual technical advancement and our customers' individual requirements we have to reserve the right to introduce changes in the design, version and technical solutions. Therefore, no data, illustrations and descriptions contained in this User Manual shall make grounds for any claims. Should your printer be provided with the parts of the equipment or software that are not illustrated or described in this User Manual or should you have additional queries after having read this Manual, please contact **EBS Ink Jet Systeme GmbH**'s authorized representative for more information. The manufacturer shall not be liable for any damage caused to the printer by improper handling or operation, that is the failure to follow this User Manual, and by the consequences of editorial or publishing errors in the Manual.

The application and use of products are beyond our control and thus you apply and use the products exclusively on your own responsibility.

Original version.

The User Manual in the English language is the original instruction. In case of disputes, this language version shall prevail. The instructions in other languages are translation of the original instructions.

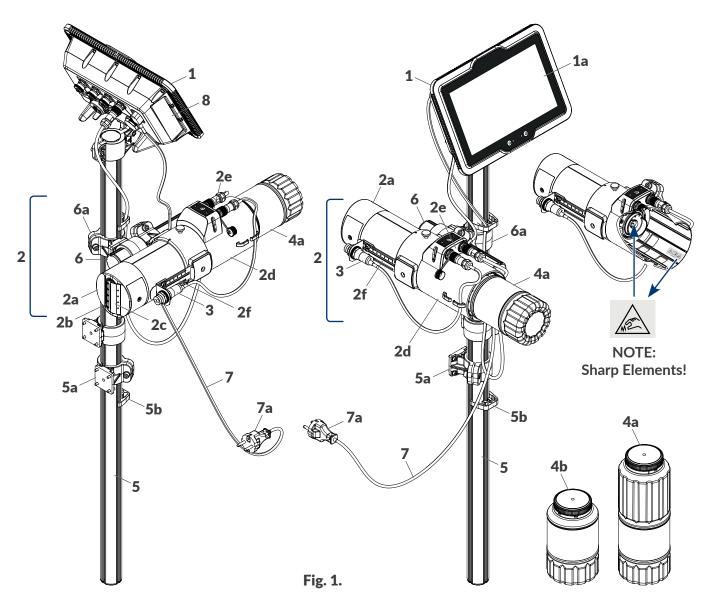
The following symbols are used in the manual:



An important note, tip, piece of information on safety. It is advisable to strictly follow the tips.

This User Manual applies to the **PicAS[®]II** EBS-1600 printer.

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1 Control unit (**1a**: **10.1**"/**256.5** mm LCD display).

Integrated printhead (**2a**: printhead, **2b**: nozzle plate, **2c**: slide, **2d**: ink system in the body, **2e**: connections; **2f**: photodetector holder with adjustable distance between photodetector **3** and an object to be labeled).



NOTE: Sharp Elements!

While installing/replacing consumables be careful not to get wounded with the needle that is part of the connection. **Do not touch the needle!** Avoid manipulations near the needle.



3 Photodetector.

- 4x 4a: 1l ink bottle; 4b: 0.5l ink bottle.
- 5 Printer support beam (5a: holder, 5b: cable retainer).
- 6 Integrated printhead support beam (6a: articulated holder).
- 7 Disconnectable power cord with plug **7a***.
- 8 Nameplate.

Cabling.

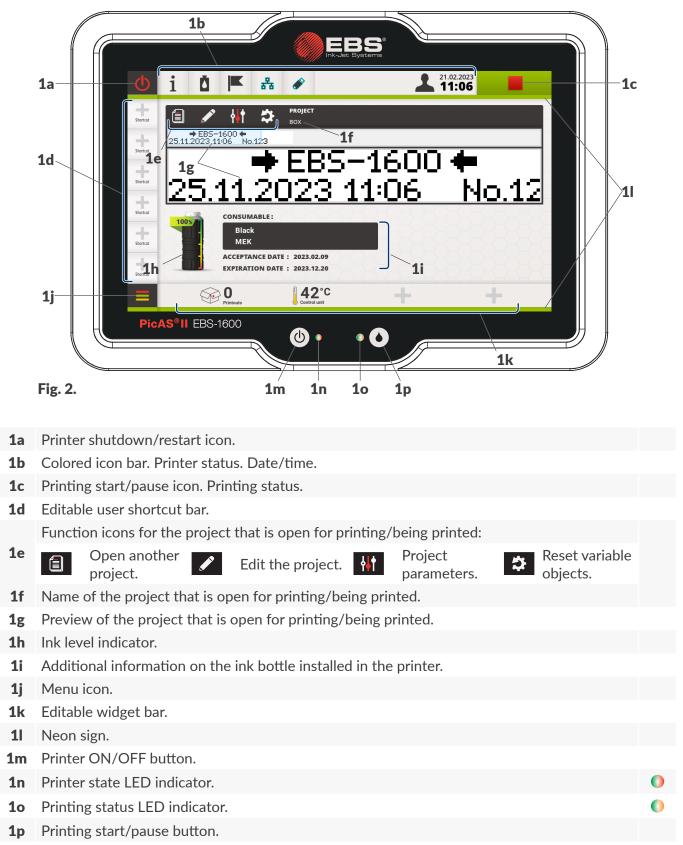


* - depending on a given country, power plug **7a** may differ from that shown in **Fig. 1**.

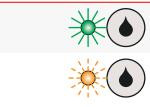
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INTERFACE OVERVIEW

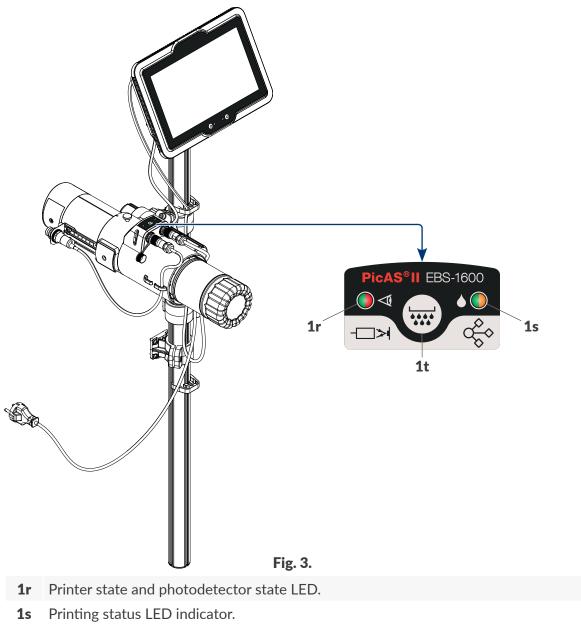


LED state marking, used further in this document



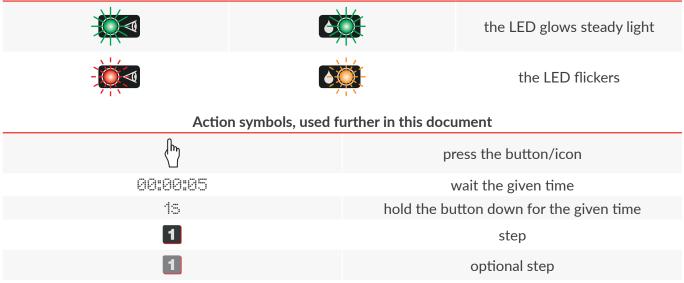
the LED glows steady light

the LED flickers



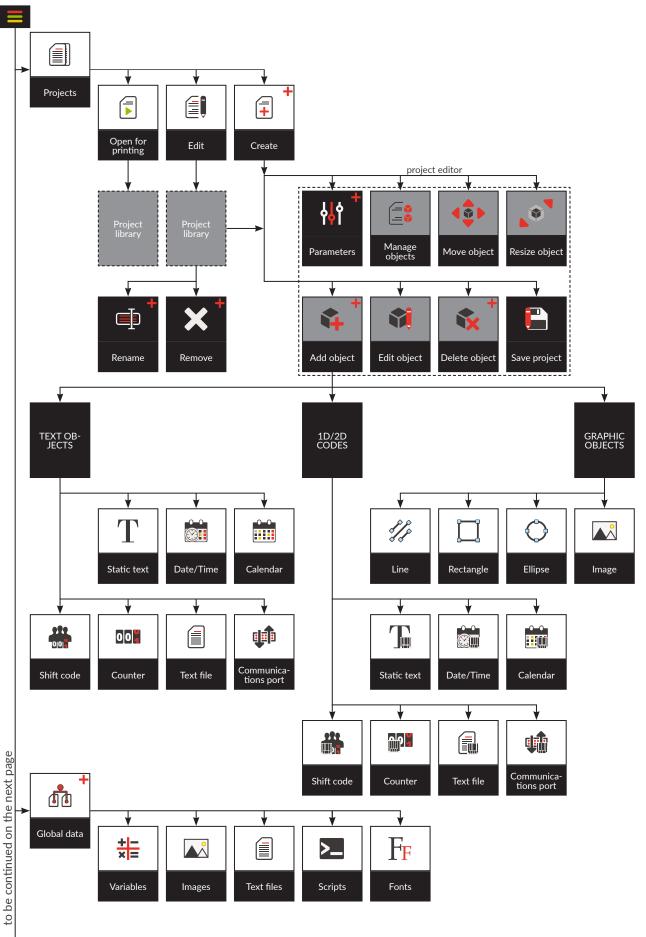
1t Rinse button.





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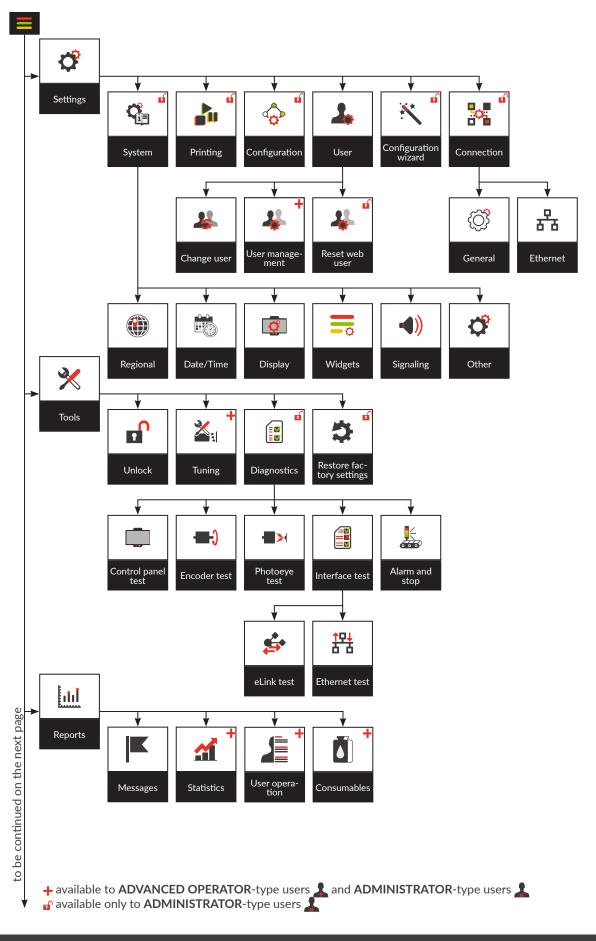
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+ available to ADVANCED OPERATOR-type users 🤱 and ADMINISTRATOR-type users 🤱

Fig. 4.

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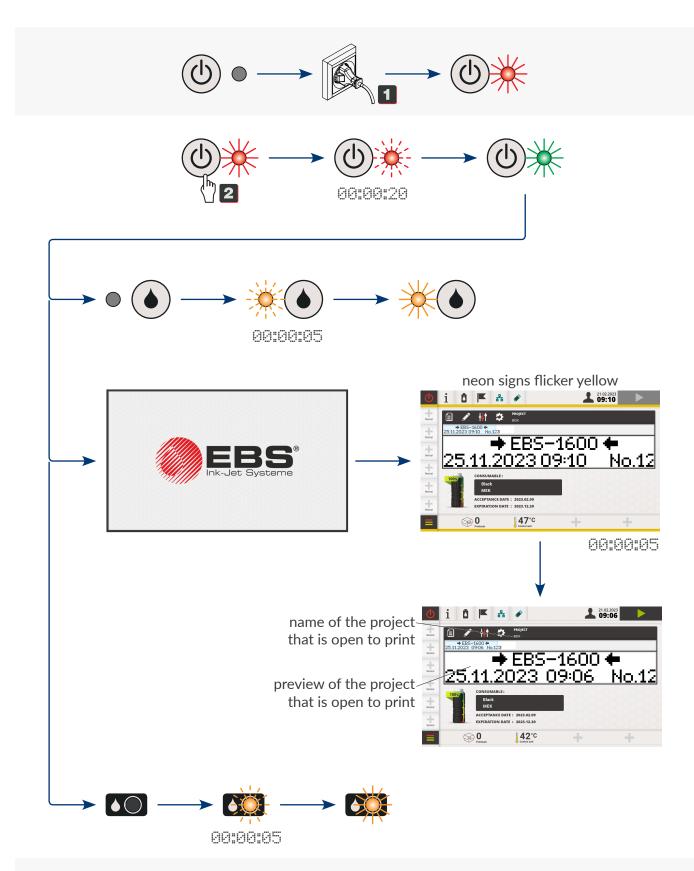


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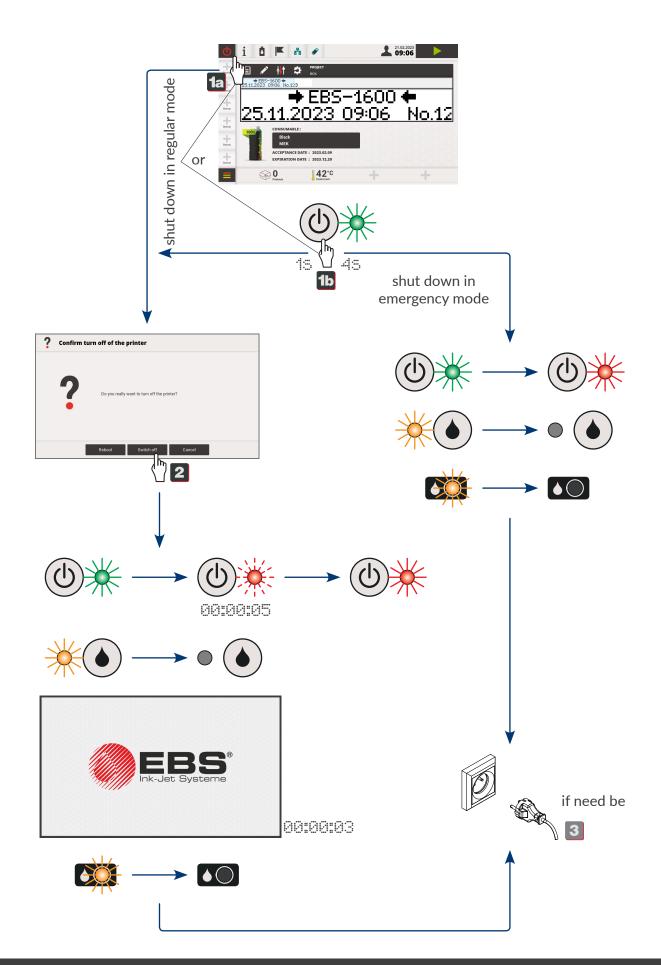
Fig. 5.

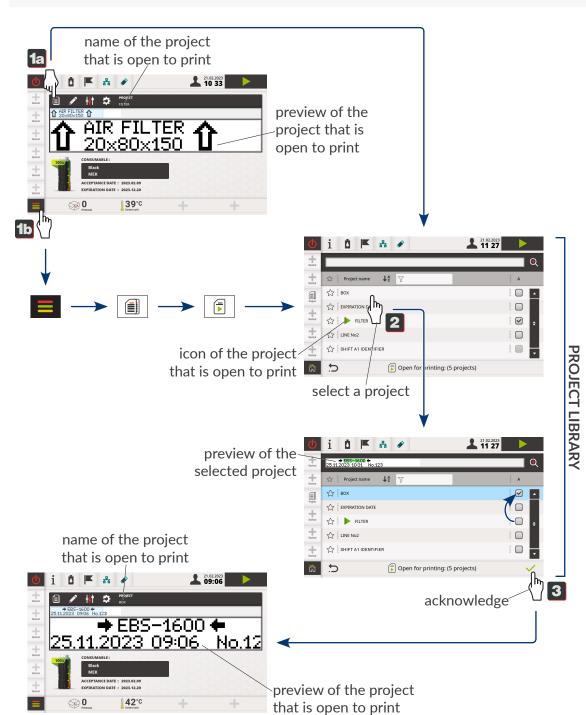
	•	MENU STRUCTURE / TYPES OF USERS
Infor	mation v.1 Information about device	Image: status Image: sta
U		<pre>kport Upgrade</pre>
		Image: All Other
		FrImagesText filesGlobal variablesHistoryScripts
+ av ₽ av	vailable to ADVANCED O vailable only to ADMINIS	PERATOR-type users and ADMINISTRATOR-type users Fig. 6. IRATOR-type users Image: Comparison of the second sec
1	OPERATOR	 start/shut down the printer open a project for printing start/pause printing edit enabled objects access selected menu branches
*	ADVANCED OPERATOR	 The privileges of OPERATOR-type users and additionally: create/delete/rename a project edit any objects (except for global variables) disable/enable objects in a project add/delete objects to/from a project tune the printing unit export data from the printer via the USB view global variables access any printer information create/edit/delete the accounts of ADVANCED OPERATOR-type users and OPERATOR-type users
	ADMINISTRATOR	Full range of privileges

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The project called **BOX** is ready for printing.



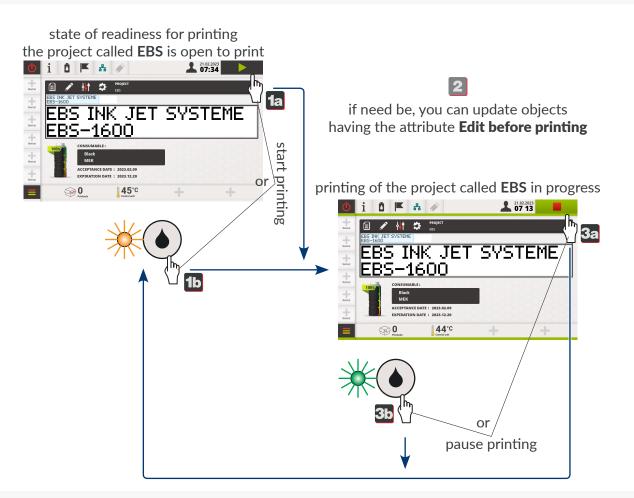


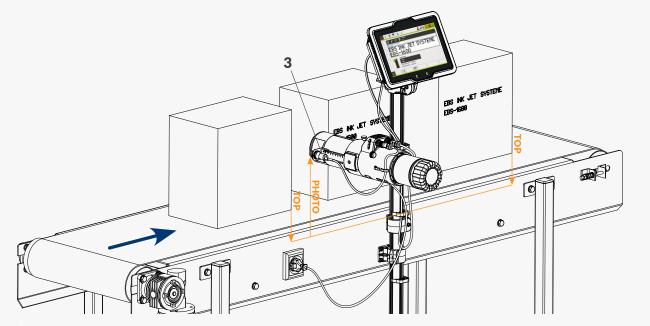
The project called **FILTER** is open to print.

The project called **BOX** is open to print.

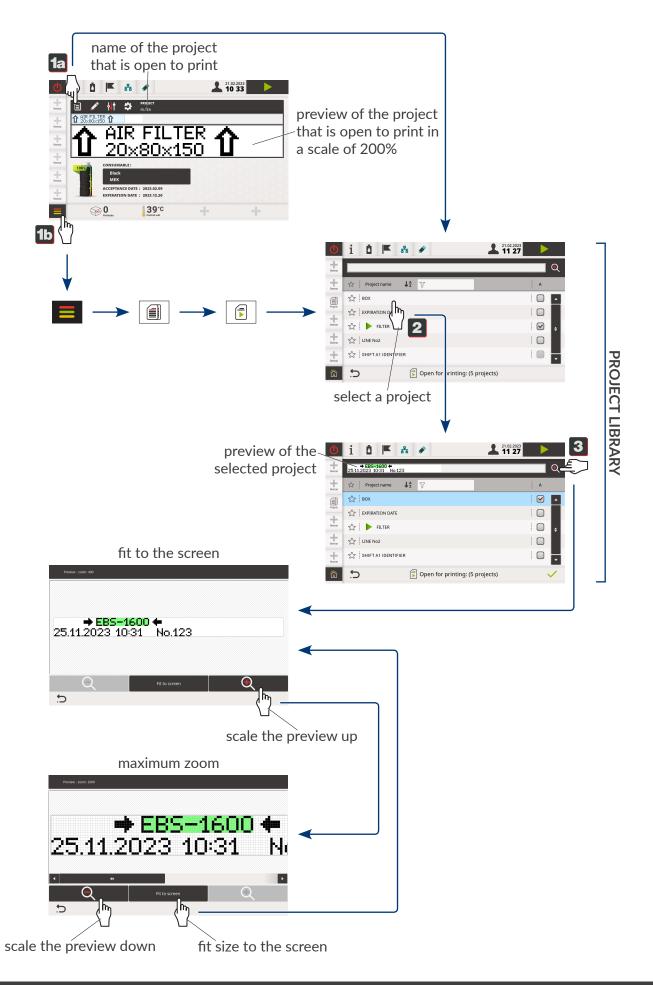
The printer is ready for printing when:

- A relevant project is open to print,
- The LED 🔆 💿 in the control unit and the LED 🗱 in the integrated printhead glow orange,
- The start printing icon **b** on the screen is active.



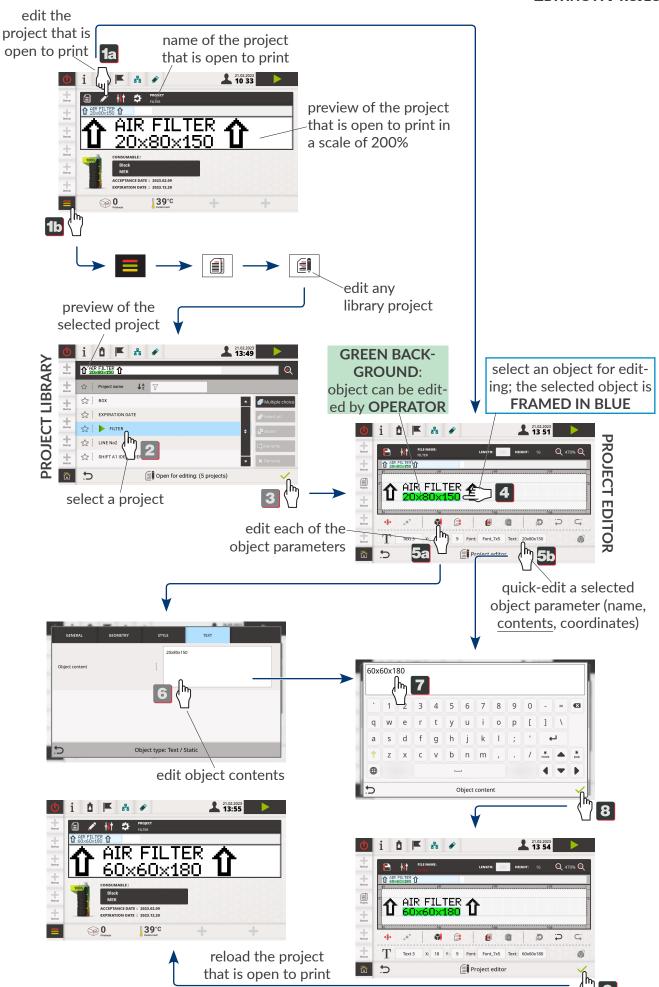


3 Photodetector selected as the source of the signal to trigger printing.



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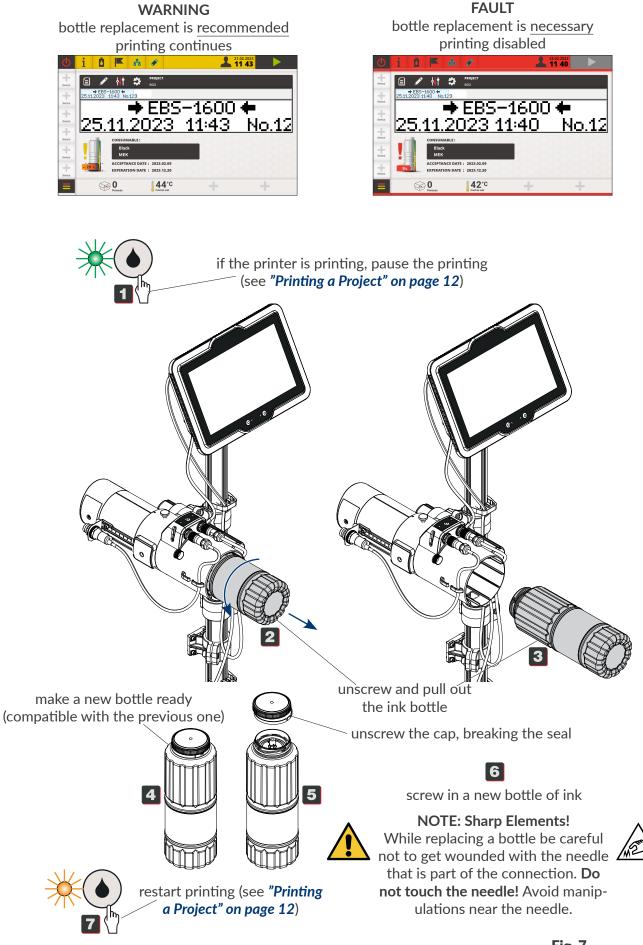
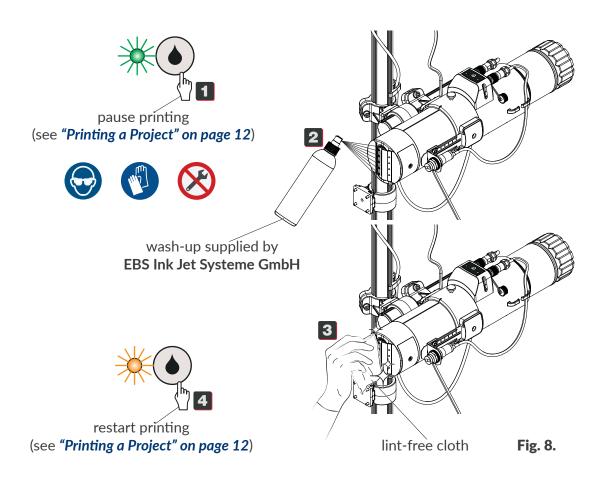


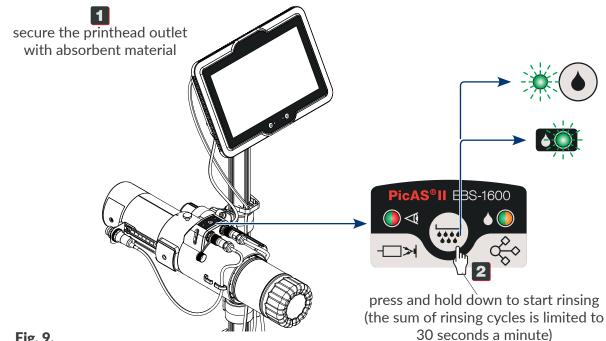
Fig. 7.

EBS-1600 Basic User Manual

CLEANING THE NOZZLE PLATE



RINSING/VENTING THE PRINTER



WARNINGS/ERROR SIGNALING

ERROR **S**IGNALING

Printing cannot continue/start.

the icon bar flickers red







The optional status beacon glows red.

The conveyor belt can be halted.

WARNING SIGNALING

Printing can continue/start.

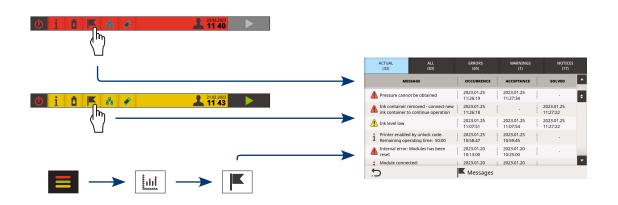
the icon bar glows yellow





The optional status beacon glows yellow.

ADDITIONAL INFORMATION



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Version of manual	Date of publication	Version of main control program
G2023/09/22_1EN	2023.11.13	1.02.41.0

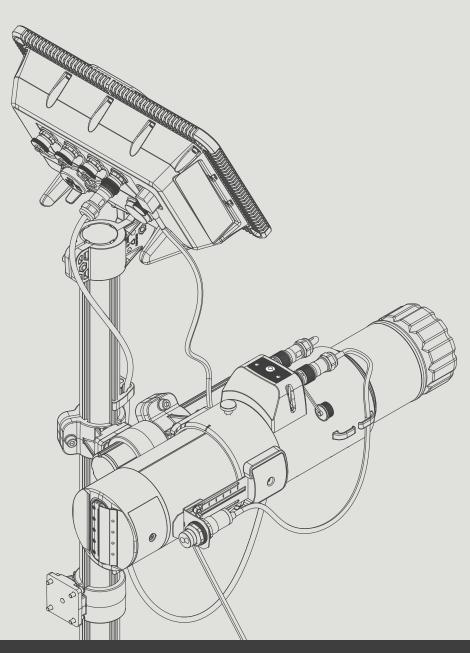
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Notes

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