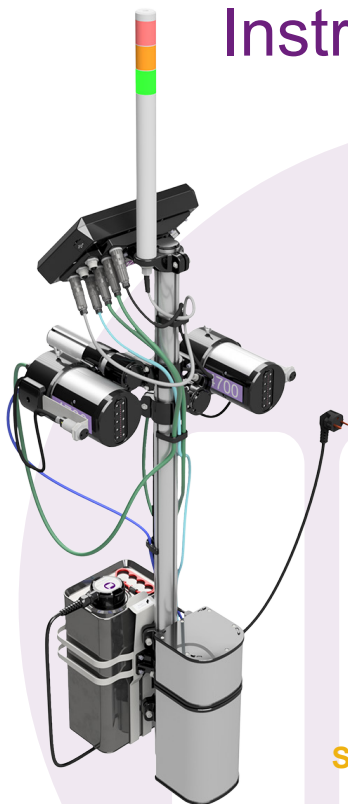# Instruction manual
4700

The health and safety instructions, translations of the Declaration of Conformity, are set out in the document supplied with your printer, as well as in PDF format on your DVD.

Printer and Interface overview

Starting up / Shutting down the Printer

Printing the current jobs

Editing and Previewing jobs

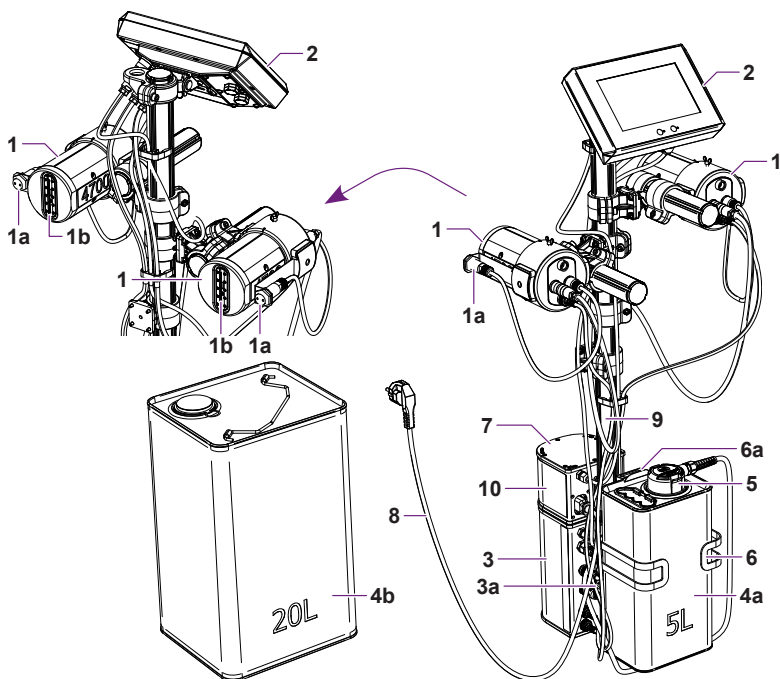**Printer maintenance**

Ink canister replacement

Troubleshooting Information

markem·imaje
a **DOVER** company

Printer overview

1. Printheads with photocells **1a** and nozzle plate **1b**
2. Control Unit (display: 7"/177.8mm diagonal)
3. Ink system with ink filter **3a**
4. Ink canister (**4a**: 5 litres, **4b**: 20 litres)
5. Pick-up unit
6. Case with latch **6a** for a 5-liter ink canister
7. Enclosed power supply
8. Disconnectable power cable
9. Support beam with holders
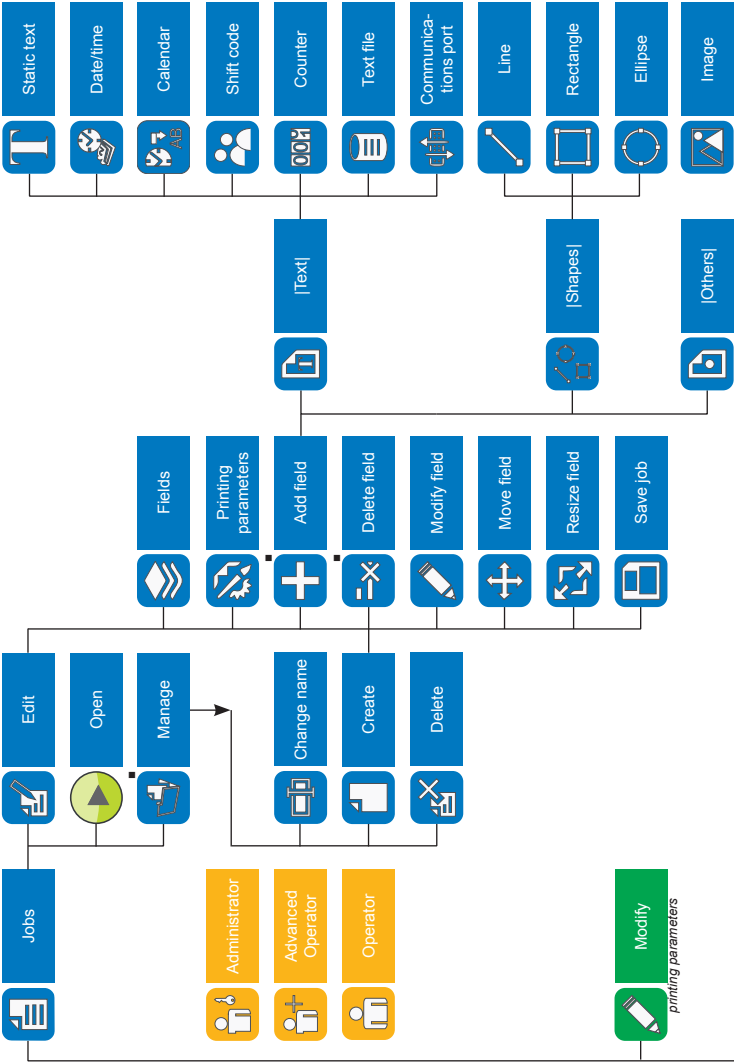10. Manufacturer's plate

This manual applies to the **4700** printer with two printheads, either of them printing a separate job. The user interface is similar for the **4700** printer with one printhead or with two printheads printing one job.
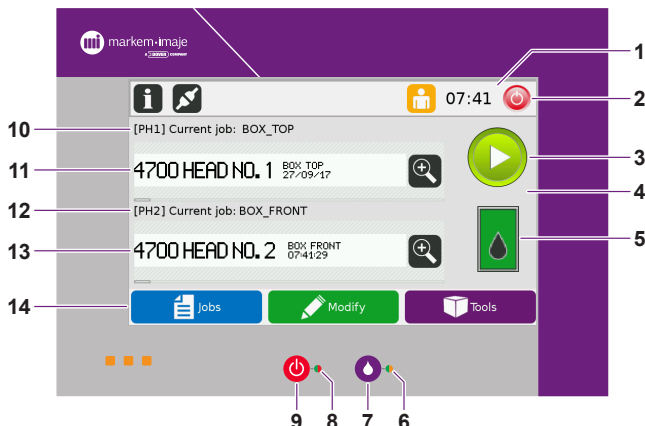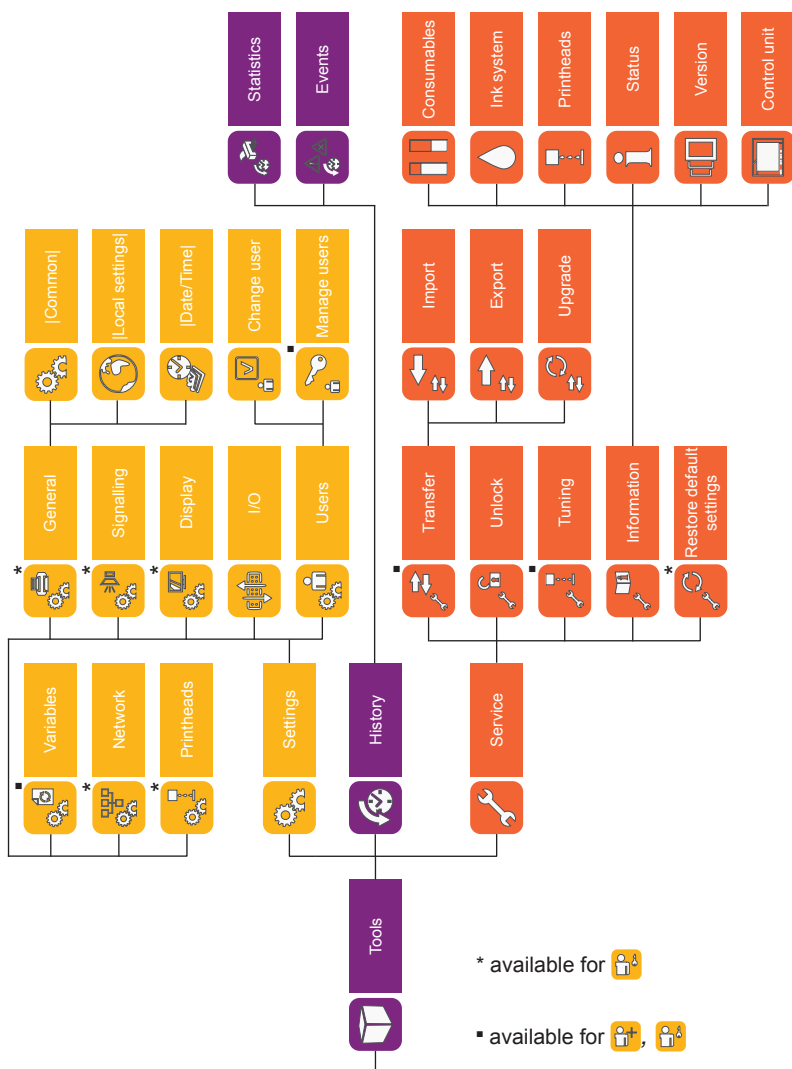

1. Printer information bar, coloured background

2. Shut down icon

3. Start/pause printing icon

4. Printing status, coloured background

5. Ink level indicator

6. Printing status LED

7. Start/pause printing button

8. Printer status LED

9. Start up/shut down button

10. Name of the job currently selected for head number 1

11. Preview of the job currently selected for head number 1

12. Name of the job currently selected for head number 2

13. Preview of the job currently selected for head number 2

14. Menu bar

Instruction manual

Menu map

Static text

Date/time

Calendar

Shift code

Counter

Text file

Communications port

Line

Rectangle

Ellipse

Image

|Text|

|Shapes|

|Others|

Fields

Printing parameters

Add field

Delete field

Modify field

Move field

Resize field

Save job

Edit

Open

Manage

Change name

Create

Delete

Jobs

Administrator

Advanced Operator

Operator

Modify

printing parameters

Statistics

Events

Consumables

Ink system

Printheads

Status

Version

Control unit

|Common|

|Local settings|

|Date/Time|

Change user

Manage users

Import

Export

Upgrade

General

Signalling

Display

I/O

Users

Transfer

Unlock

Tuning

Information

Restore default settings

Variables

Network

Printheads

Settings

History

Service

Tools

* available for 🔒

▪ available for 🔒, 🔒

1

2

3

00:00:30

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4

00:00:15

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[PH1] Current job: BOX_TOP

4700 HEAD NO. 1 BOX TOP 27/09/17

[PH2] Current job: BOX_FRONT

4700 HEAD NO. 2 BOX FRONT 07:41:29

07:41

Jobs | Modify | Tools

5

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[PH1] Current job: BOX_TOP

4700 HEAD NO. 1 BOX TOP 27/09/17

[PH2] Current job: BOX_FRONT

4700 HEAD NO. 2 BOX FRONT 07:41:29

07:41

Jobs | Modify | Tools

The jobs BOX_TOP
and BOX_FRONT
are ready
for printing.

Instruction manual 6

1

[PH1] Current job: BOX_TOP

4700 HEAD NO. 1 BOX_TOP 27/09/17

[PH2] Current job: BOX_FRONT

4700 HEAD NO. 2 BOX FRONT 07:41:29

markem·imaje | 07:41

Jobs | Modify | Tools

1s Press to shut down the printer in regular mode.

4s To shut down the printer in emergency mode, press and hold for 4 seconds.

2

00:02:00
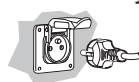
ℹ Turn off the printer ✖

Printer will be shut down in 120 seconds

OK | Cancel

3

markem·imaje

markem·imaje

shutting down...

00:00:05

4

if necessary

5

Instruction manual
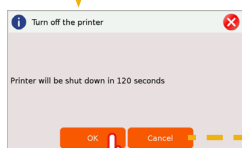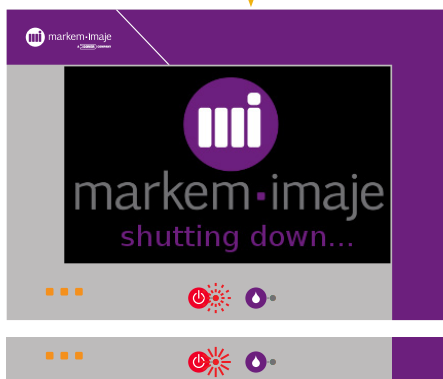
Printing the current jobs

1

The jobs BOX_TOP
and BOX_FRONT
are ready
for printing.

press
either

2 Update any variable fields, if used in the jobs, or enter
values for the fields with the attribute "edit before printing".

3

Printing the
jobs BOX_TOP
and BOX_FRONT.
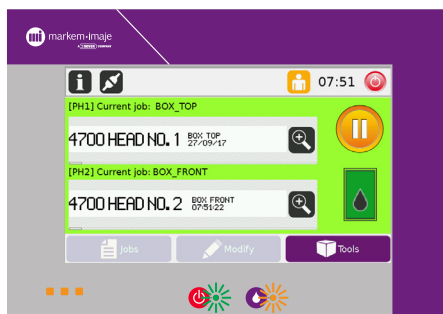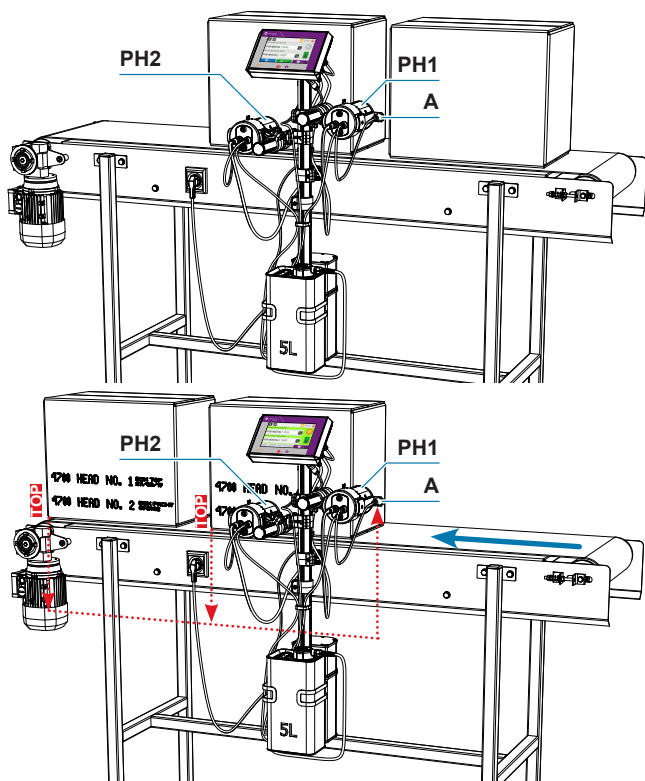
A: active photocell
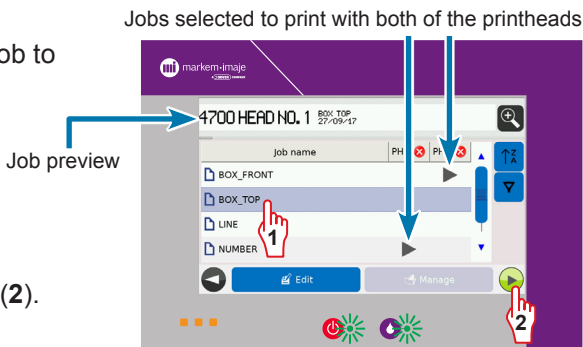* fixed speed printing (with no encoder)

Pause

Start

Instruction manual

PRINT ▶

Selecting a job to print

1 Press 📋 (Jobs).

Jobs selected to print with both of the printheads

2 Select a job to print (**1**).

Job preview

Press ▶ (**2**).

3 Select the printhead to print a job with (on screen: head number 1, **PH1**)

4

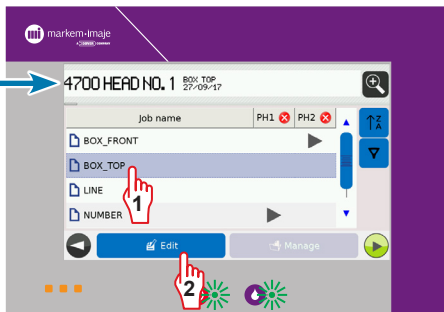The jobs BOX_TOP for head number 1 and BOX_FRONT for head number 2 are ready for printing.
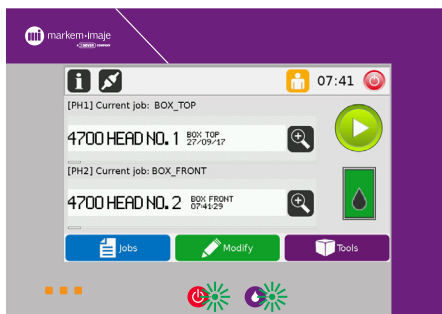
1 Press 📋 (Jobs).

| 📋 Jobs | ✏️ Modify | 🔧 Tools |
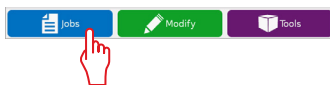
2 Select a job to edit (**1**).

Job preview

4700 HEAD NO. 1 BOX TOP 27/09/17

Job name	PH1 ❌	PH2 ❌
BOX_FRONT	▶	
BOX_TOP		
LINE		
NUMBER	▶	

1

Edit | Manage

Press ✏️ (**2**).

3 Select a field to edit (**1**).

Editable fields are highlighted in blue.

4700 HEAD NO. 1 BOX TOP 27/09/17

1

BOX_TOP

Press ✏️ (**2**).

4

| Main | Geometry | Style |

Field name   Text 2
Edit before printing   No

Text   BOX TOP
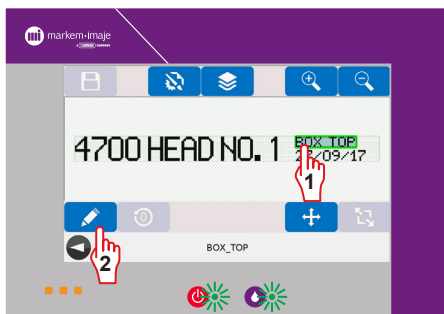
Editing field parameters.

Instruction manual
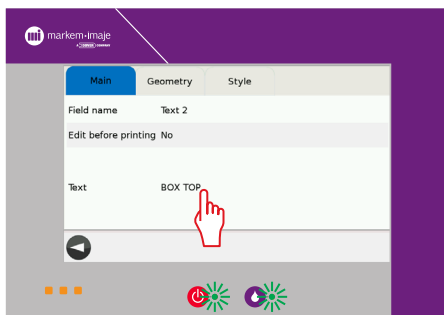
Editing a job

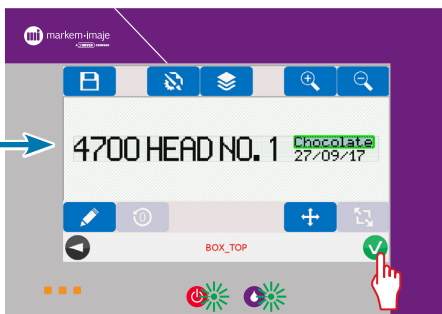**5** Edit the field (**1**).
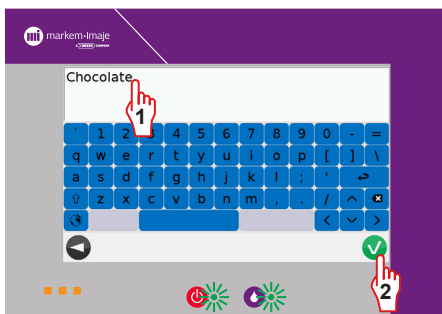
Press ✅ (**2**).

6 Window similar to that at step **4** but a field is being edited. Press ✅ to accept the change.
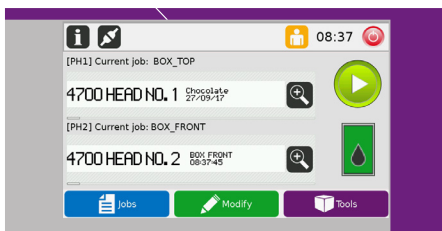
7

Edited job preview →

Save the job ✅.

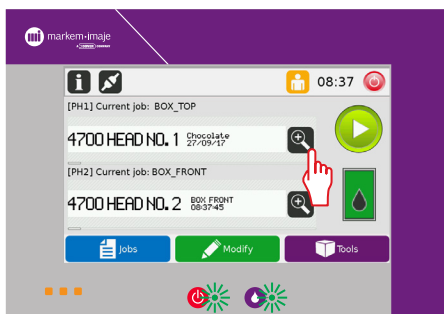**8** Window similar to that at step **2**. Press ▶.

9 Select a printhead (on screen: head number 1, **PH1**).

10

Main screen with edited job.

1 Previews of jobs for both heads, enlarged to 200%.
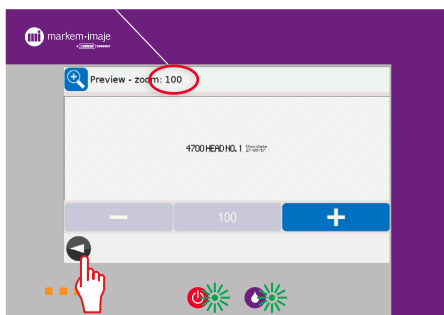

2 The image can be enlarged to occupy the entire height of the preview window.
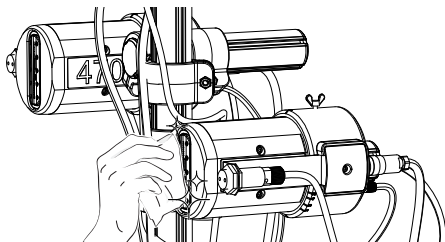

3 Shown at actual size (100%).

Press ◀ to return to the main screen.

Printer maintenance

Cleaning nozzle plate

1 Shut down the printer.

**2**

3 Start up the printer.

Purging/venting selected printhead

1 Put absorbent material or a waste container under the nozzle outlet for the selected printhead. Make sure the cleaner/ink dripping from the nozzle plate during purging does not contaminate the printer environment.

2 Hold the 🔲 (Purge) button on the backplate of the selected printhead.

> The purge time is limited in such a way that the sum of all purging cycles performed within one minute must not exceed 30 seconds.
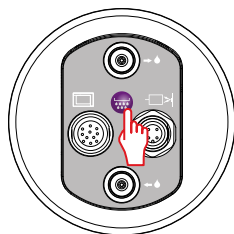
Use only Markem-Imaje consumables designated for use with the **4700**.

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Warning

 solid orange — low ink level (<10%); printing continues; prepare a new canister of ink

 blinking orange — no ink in canister; printing continues with the ink contained in an ink system buffer; canister replacement is recommended

Fault

 blinking red — the ink canister and the ink system buffer are empty; no printing is possible; canister replacement is necessary

 Replace the canister when the blinking orange icon is displayed (indicating that the ink canister is empty).