Océ User manual

Océ Web Buffer

Continuous Printing System

Océ Printing Systems GmbH

We also offer courses in our Training Center for Océ Web Buffer.

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US

Contents

Chapter 1
Documentation notes

Documentation notes - overview

Introduction

The purpose of this documentation is to ensure that all work on the Océ Web Buffer is carried out safely and correctly. It contains safety directives that must be strictly observed. Each section is divided into small, easy-to-understand subject areas. Overviews at the beginning of the sections help you to find the precise information you are looking for quickly.

Note:
The Océ Web Bufferis required for operating the VarioStream 9000 (for color printing) and ColorStream 10000 printing systems. For single-color printing only, the Océ Web Bufferis not required.

Overview

Here you will find information on the following topics:

Documentation signposts

Introduction

Documentation available to you on the Océ Web Buffer includes a printed user guide and help on the operator panel. This help is updated with every new version of the operator panel software.

Security

This section provides all the necessary information on how to operate the Océ Web Buffer safely and correctly.

Description of the Océ Web Buffer

This section describes the structure and function of the individual modules, as well as the operating elements.

Operating the Océ Web Buffer

This section explains all work steps required for operating the Océ Web Buffer.

Cleaning the Océ Web Buffer

This section shows you the intervals for cleaning the different assemblies.

Correcting problems

This section helps you correct possible problems. The context-sensitive help in the operator panel of the printing system gives you detailed information on cause and correction of specific error or warning messages.

Technical data

This section contains a summary of the most important technical data.

Index

The fastest way to find particular topics is via the detailed index at the end of the user guide.

Your comments on this user guide

We are interested in your opinion on this user guide for the Océ Web Buffer. You can help us improve this user guide by answering the questions in this section.

Symbols in the text

Display of operating elements on the operator panel

The operating element description is shown in inverted commas on the operator panel, e.g.
'Configuration' menu.

Notes

Note:
This symbol indicates notes - tips for operating the Océ Web Buffer.

Safety directives

Symbols are used for the safety directives, as well as different alert words depending on the degree of danger: see *'Flagging of safety directives '* on page 17.

Symbols in illustrations

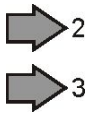
Introduction

If not otherwise indicated, diagrams and illustrations of actions depict the starting position of the respective component for the described action.

To ease understanding, the illustrations only depict the components that are directly relevant to the immediate context.

Arrows

Arrows denote the positions where you should perform an action or observe something in particular. The colors of the arrows denote the type of actions and the sequence in which they are performed:

Arrow	Meaning
	Black arrow: Direction arrow Perform this action first
	Grey arrow: Direction arrow Perform this action next
	If further actions are depicted in an illustration, the numbers on the arrows indicate the sequence of these further actions.
	White arrow: Note arrow An action should be performed in this area.

Manufacturer

Océ Web Buffer

The Océ Web Buffer was manufactured by:

Océ Printing Systems GmbH
Postfach 1260
85581 Poing
Germany

Statutory requirements

Technical changes

The information, data and instructions in this documentation were up-to-date at the time of going to press. The right of technical modifications due to further development of the printing system is reserved. For this reason, the information, illustrations and descriptions in this documentation cannot give rise to any claims for modifications or additions to printing systems that have already been shipped and accepted.

Liability

No liability is accepted for damages resulting from:

- Failure to comply with the documentation
- Errors due to improper handling
- Work performed incorrectly on the printing system
- Use of non-original expendable parts, replacement parts and accessories
- Use of non-original consumables
- Unauthorized modification and retrofitting of the printing system by the agent or the agent's personnel.

Chapter 2
Security

Security - overview

Caution:
Please also observe the safety directives in the documentation for the printing system and any pre-processing and post-processing devices that may be connected.

Security

This section provides all the necessary information on how to operate the Océ Web Buffer safely and correctly.

Overview

Here you will find information on the following topics:

Intended purpose

Océ Web Buffer

The vacuum unit is exclusively intended for the storage of a continuous paper web, in order to ensure a controlled paper web retraction by the printing system.

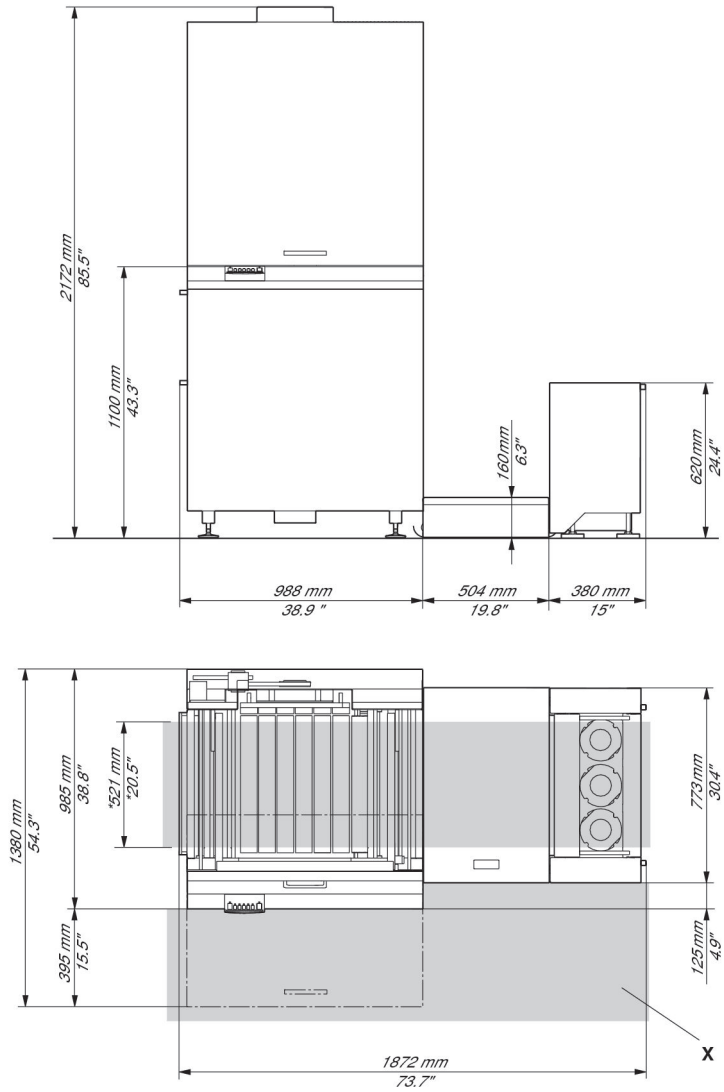
The web buffer module is exclusively intended for the storage of continuous paper webs between the printing system and paper post-processing.

Any use for other purposes is regarded as improper. The manufacturer is not liable for any damage resulting from improper use. The user alone bears the risk in this case. Only strict observation of the notices and instructions in this documentation ensures use for the intended purpose.

Operating and service clearance areas

Océ Web Buffer

The operating and service clearance areas must always be kept clear.



*: maximum paper web width
x: work area

Flagging of safety directives

Definition

The following notational conventions are used for the safety directives in the text of the manual:

Symbol	**Alert word** Type or source of danger and consequences of failure to observe the safety directives Instructions on avoiding danger

Different alert words are used for the safety directives, depending on the degree of danger.

Two classes of safety directives

Caution:
Warns against dangers that could lead to injuries.

Attention:
Warns against situations that could lead to damage to the printing system or disruptions to operation.

Example of a safety directive

Attention:
Fluid can get inside the printing system. This could cause irreparable damage to the electrical and mechanical components.
Do not place cleaning fluids on top of or in the immediate vicinity of the printing system.
Take care to prevent fluids from seeping into the printing system.

Warning labels

Flagging of danger points

Potential danger points on the web buffer module and vacuum unit are indicated using the following label:

Label	Meaning
	**Warning: Live electric parts** There are live electric parts behind protective covers bearing this sign. These protective covers may only be removed by authorized Océ Service personnel.
	**Warning: Rotating parts** Web traction unit infeed/web traction unit delivery Parts of the body (particularly fingers), loosely hanging items of clothing and jewelry (e.g. neckties, necklaces, belt ends) and unprotected long hair can be crushed, trapped or pulled into the printing system by the rotating mechanism in these areas.

Personnel indicators

Agent

An agent is any individual or legal entity that uses the Océ Web Buffer or commissions the use of the Océ Web Buffer.

Operator

The operator

- is a person who has been directly instructed/trained to operate the Océ Web Buffer and who has been informed about the tasks assigned to him. They are familiar with the contents of the documentation.
- is aware of the potential dangers of improper behavior .
- has been informed about necessary safety installations, safety precautions and operating conditions.
- has been instructed or commissioned by the agent to operate the Océ Web Buffer .

Key operator

The key operator is an operator with a higher qualification assigned additional tasks by the agent.

Service

Service employees are specialized Océ personnel who carry out all work on the Océ Web Buffer that operators or key operators may not (e.g. any work on the electronics).

Operation

Introduction

Observe the following instructions when operating the Océ Web Buffer:

Service personnel

Only operators, key operators and service personnel may use the Océ Web Buffer.

The printing system may not be operated by persons under the influence of alcohol or drugs, or by persons taking certain types of medication, such as psychotropic drugs.

Before operating the printing system, carefully read through the documentation. If you do not understand something in the documentation, please ask (e.g. contact Service).

In case of emergency, immediately power off the modules at the operating switch. In the event of damage to the casing, power cable or operating elements, or penetration of fluids or foreign bodies, call the appropriate Service representative.

Do not work with unprotected long hair or wear loosely hanging items of clothing (e.g. ties, sleeves, scarves), and jewelry such as necklaces, bracelets and rings. These can cause injury if caught in drive mechanisms.

Protective covers

Do not attempt to remove protective covers yourself; do not manipulate safety equipment such as the switches monitoring the protective covers, fuses etc., and do not perform any work not intended to be performed by operators.

Safe operation of the Océ Web Buffer is guaranteed only when the housing is fully mounted. Only fully mounted housing ensures:

- Protection from electrical shocks
- Protection against injury from mechanical parts, e.g. cuts, drawing in, crushing
- Protection against the spread of fire
- Sufficient cooling of the printing system.

Keep all doors, covers, flaps and cover caps closed while the Océ Web Buffer is in operation. This ensures that limit values for electromagnetic compatibility are not exceeded. Noise emission is also minimized in this manner.

Cleaning

Also observe the instructions in the section *'Cleaning the - overview'* on page 58 for cleaning the printing system.

Always use an industrial vacuum cleaner with a grounded suction tube, rubber nozzle and filter set for fine dust. An explosion-proof industrial vacuum cleaner must be used for large toner quantities because there can be a high build-up of static charge when draining toner spill.

Foreign bodies, noises

Make sure that no objects (e.g. jewelry chains, paper clips, coins etc.) or liquids get into the interior of the printing system, since this may result in electric shocks or short circuits. Do not place objects on the printing system, and especially do not place containers with fluid, such as drinking bottles, glasses, cups or vases on top of or in the immediate vicinity of the printing system.

Should the Océ Web Buffer emit any unusual or noticeable noises or smells, power off the system and contact Service.

Cooling, heat

Do not obstruct the cooling ducts. Failure to do so may result in overheating or combustion while the Océ Web Buffer is in operation.

Do not obstruct the operating and service clearance areas with other devices or objects (see *'Operating and service clearance areas'* on page 16).

Transport, repairs, fire

Transport

The Océ Web Buffer may only be moved or transported by Service or authorized transport companies.

Repairs

Repairs to the Océ Web Buffer should only be carried out by Service. Access to locked areas and areas that can only be opened with special tools is reserved for Service. Opening the device without authorization and improperly effected repairs may put operators at considerable risk.

Fire

Observe the following notes:

- Poisonous gases can occur in any fire. They can also result from the Océ Web Buffer.
- Self-contained breathing apparatus must be worn when fighting fire or smoke emission. Notes to this effect should be deposited at the fire alarm center and with the local fire department.

Safety regulations and standards

Introduction

The Océ Web Buffer complies with the provisions of the following directives:

Machinery directive 98/37/EC

- EN ISO 12100-1 2003 General design principles
- EN ISO 12100-2 2003 General design principles
- EN 294 1992 Safety clearances at danger points
- EN 60204-1 1997 Electrical equipment of machinery
- EN 1010-1 1997 Safety of paper processing machinery
- EN27779 1991 Acoustics, noise measurements on machinery

EMC directive 89/336/EC

- EN 61000-6 3 Generation of interference - domestic environment
- EN 61000-6 4 Generation of interference - industrial area
- EN 61000-6 1 Resistance to interference - domestic environment
- EN 61000-6-2 1999 Resistance to interference - industrial area
- FCC part 15 subpart B, Class A 1998 EMC standard (USA)
- CSA C108.8 Class A EMC standard CAN

Low voltage directive 2006/95/EC

- EN 60950-1 2001 Information technology equipment
- UL 60950-1 2003 Information technology equipment USA
- C22.2 No 60950-1 2003 Information technology equipment CAN

Environmental directive RoHS 2002/95/EC

- 2003 Prohibits the use of certain hazardous substances in electrical and electronic equipment.

ACPEIP

- Chinese regulatory authority for environmental pollution due to electronic information technology products

Residual dangers

Introduction

Residual dangers are sources of danger that cannot be eliminated by design measures or protective equipment.

Océ Web Buffer

The Océ Web Buffer is constructed in accordance with current standards of technology and recognized rules concerning technical safety. Nevertheless, the following residual dangers may affect the operator in the course of work:

- Touching the edge of a moving paper web can cause cuts to the hands.
- Static charges generated during paper processing can cause slight electrical shocks.
- Paper processing generates paper dust.

Chapter 3
Description of the Océ Web Buffer

Description of the Océ Web Buffer - overview

Description of the Océ Web Buffer

This section describes the structure and function of the individual modules, as well as the operating elements.

Overview

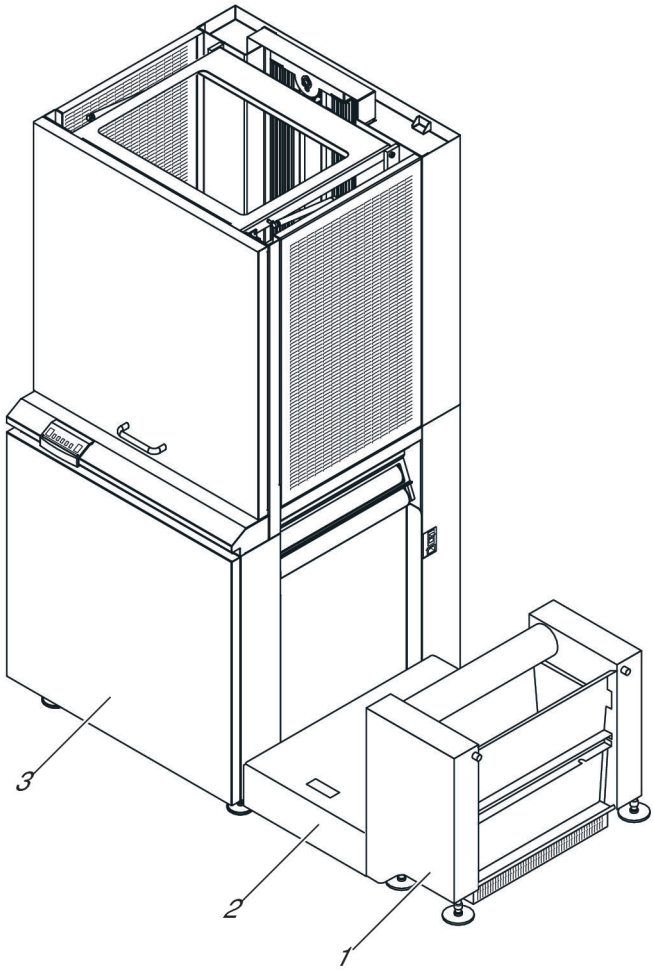
Here you will find information on the following topics:

Device overview

Introduction

The vacuum unit is positioned behind the printing system, followed by an optional paper web feed and then the web buffer module.

Illustration



Overview

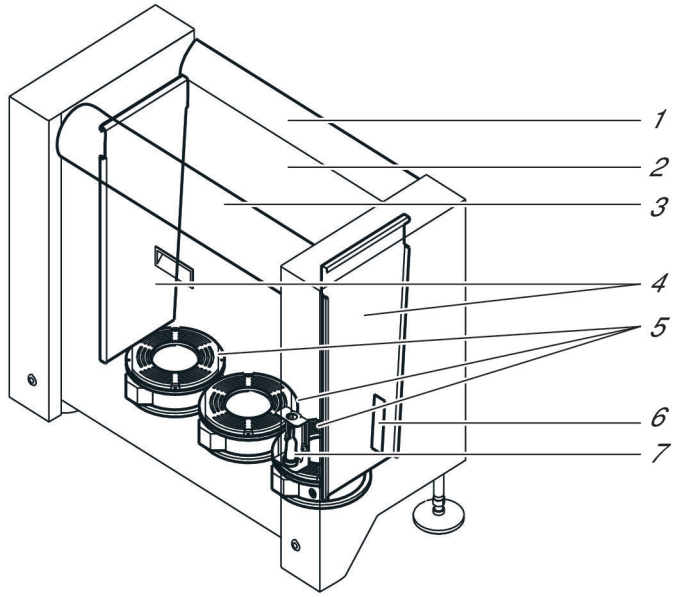
Module	Description
1	*'Vacuum unit'* on page 29
2	*'Paper web feed'* on page 31
3	*'Web buffer module'* on page 32

Vacuum unit

Introduction

The vacuum unit applies tension to the paper web between the printing system and the Océ Web Buffer - thus providing lateral stabilization to the paper web.
The vacuum unit stores enough paper to ensure paper web retraction by the printing system. In addition, in the event of high print speeds and light paper, the vacuum unit prevents bunching and creasing of the loop between the printing system and the Océ Web Buffer.

Illustration



Structure

Vacuum unit structure

Assembly	Description
1	Feed plate
2	Pan
3	Eject rollers
4	Guide
5	Fans

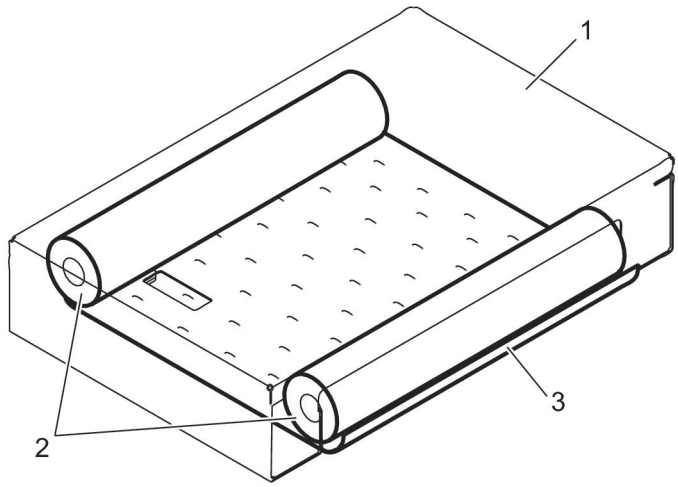
Assembly	Description
5	Reflector
7	Photo cell loop monitoring

Paper web feed

Introduction

The path around the print processing unit can be reduced by means of a paper web feed.

Illustration



Structure

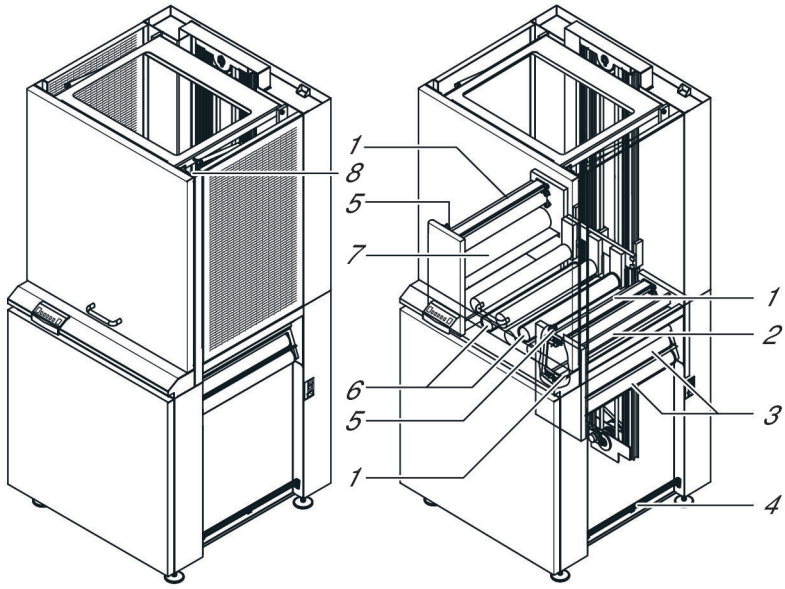
Assembly	Description
1	Cover
2	Diverter roller
3	Bottom plate

Web buffer module

Introduction

The web buffer module calibrates the discontinuous paper web motion of the printing system and forwards it continuously and smoothly to post-processing.

Illustration



Structure

Structure of web buffer module

Assembly	Description
1	Pressure roller
2	Web traction unit infeed
3	Diverter roller
4	Antistatic strip
5	Latch bolt
6	Dancer with dancer rollers
7	Web traction unit delivery

Assembly	Description
8	Circuit breaker cover with lock mechanism The cover can only be opened if the module is switched on and the dancer rollers are in the setup position.

Function

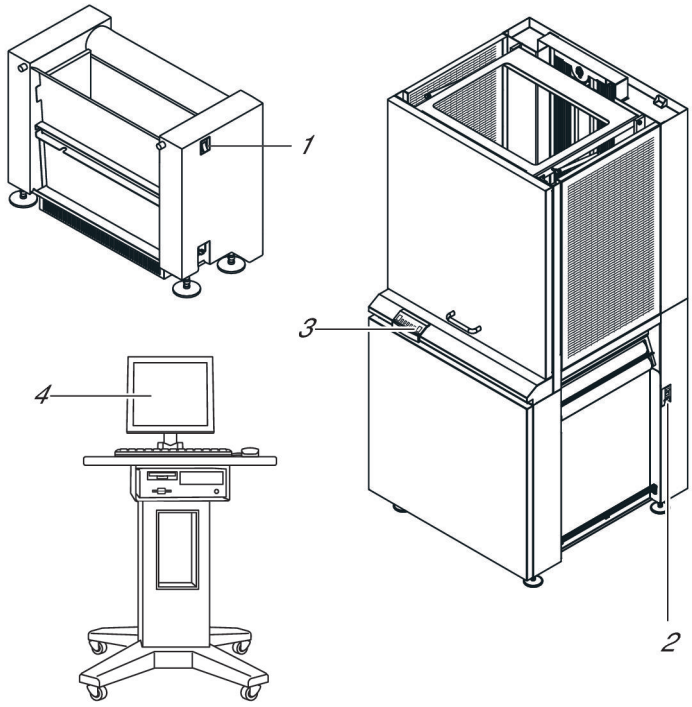
The web traction unit infeed draws the slightly damped paper web into the web buffer module. The web traction unit delivery forwards the paper web to post-processing at an average speed.

If the set parameters are exceeded (see *'Setting parameters'* on page 53), the web buffer module stops either the post-processing or the printing system.

Operating elements

Operating elements - overview

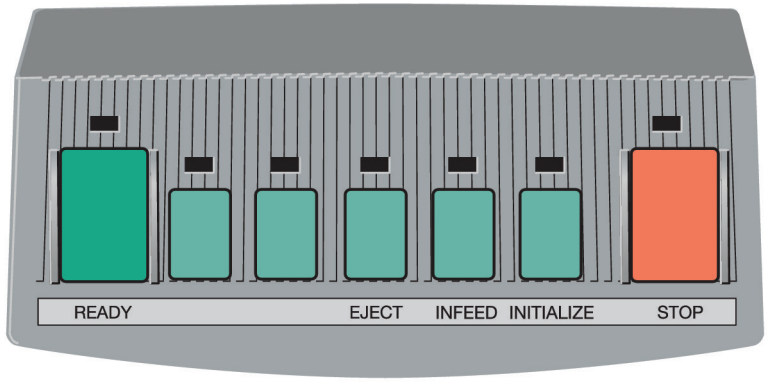
Overview



Assembly	Description
1	Vacuum unit operating switch
2	Web buffer module key control panel (see *'Key control panel'* on page 35)
3	Web buffer module operating switch
4	Operator panel (see *'Operating elements - overview'* on page 34)

Note:
The Océ Web Buffer is started and stopped via the printing system.

Key control panel



Description of keys

Key	Function
READY	Switches the Océ Web Buffer to operational status. The dancer rollers keep tension on the paper web.
EJECT	In 'Setup' or 'Stop' status: ■ Initiates a paper advance by the printing system. In 'Ready' or 'Standby' status: ■ Initiates a paper advance by the printing system if the web buffer module is empty. ■ Empties the web buffer module if the printing system is not printing.
INFEED	In 'Setup' or 'Stop' status: ■ Transports the paper web at an even speed of 10 m/min to the web buffer module while the key is pressed.
INITIALIZE	Moves the dancer rollers to the setup position ('Setup' status). Tension on the paper web is released.
STOP	Switches the Océ Web Buffer and the printing system to the 'Stop' status. The dancer rollers keep tension on the paper web.

Status displays

Status	Key/LED display	
'Ready'	READY	Green
	STOP	
'Stop'	READY	Red
	STOP	
'Standby'	READY	Orange/green Fast blinking
	STOP	
'Setup'	INITIALIZE	Orange
	READY	Red
	STOP	
'Running'	READY	Green Slow blinking
	STOP	

Note:
All operating states are also displayed on the operator panel of the printing system (see *'Toolbar'* on page 39).

EJECT and INFEED keys

The LEDs for the EJECT and INFEED keys have the following meaning:

- Green LED: Function can be executed.
- LED orange, slow blinking: Function is being executed.

Operator panel

Operator panel - overview

Introduction

This section describes the individual areas of the operator panel including all menus, symbols and buttons relevant for the Océ Web Buffer.

Overview

The operator panel is divided into the following areas:

Area	Description
1	*'Toolbar'* on page 39
2	*'Menu tree'* on page 41
3	*'Menu display'* on page 42

Note:
If you change settings in a menu, ensure that you save these changes before switching to another menu: see *'Applying or resetting settings'* on page 43.

Note:
Detailed information on all menus and operating elements is available directly on the operator panel via the context-sensitive direct help. Direct help can be called up by selecting the relevant menu or operating element and then pressing the F1 key.
Where necessary, all the requirements for setting the relevant parameters are also listed in the direct help.

Toolbar

Introduction

You can use the toolbar to directly access and display the most important functions of the Océ Web Buffer.

Overview

Area	Description
1	Toolbar for the Océ Web Buffer
2	Frame toolbar

Toolbar for the Océ Web Buffer

Button/display	Function
'Ready'	Switches the Océ Web Bufferto operational status. The dancer rollers keep tension on the paper web.
'Stop'	Switches the Océ Web Bufferand the printing system to 'Stop' status. The dancer rollers keep tension on the paper web.
'Ready' / 'Setup' / 'Running' / 'Stand-by' / 'Stop' / 'Paused'	The current operational status is displayed in the center of the toolbar. The individual displays have different background colors depending on the operational status.
'Input speed [m/min]' 'Output speed [m/min]'	Displays the current speed of the infeed and output drive in meters/minute.
'Buffer fill [inch]'	Displays the current buffer content of the Océ Web Bufferin inches.
Service ticket	No function

Frame toolbar

The higher-level frame toolbar for the complete print processing unit is positioned in the right-hand area. These buttons can be used to quickly access higher-level functions in the print processing unit, and to switch directly to frequently used menus.

Note:
Detailed information on the frame toolbar is given in the printing system documentation.

Menu tree

Introduction

All the menus for the Océ Web Buffer can be accessed via the menu tree.

Note:
The menus displayed in the menu tree depend on the different rights for the individual user categories.
This documentation describes all menu options normally set up for the user categories "Operator" and "Key operator".

Overview

Menu	Description
'Web Buffer 9000'	The sub-menus contain all settings and displays relating to the Océ Web Buffer.
'Operator configuration'	Setting for paper lengths, buffer range and speed, and acceleration of the web traction unit delivery.
'Service configuration'	Setting of the Océ Printing Systems GmbH by Service. The Océ service documentation is available for Service.
'Counter display'	Displays various counters and versions, and graphic representations of speeds for web traction units (infeed and delivery) and the buffer fill level.
'Error display'	Displays the current error message or warning.

Note:
Detailed information on the other main groups is provided in the VarioStream 9000 printing system documentation.

Menu display

Introduction

This area shows the menu selected in the menu tree.

Direct help via the F1 key

Detailed information on all menus and operating controls is available directly in the operator panel via the context-sensitive direct help. The context-sensitive help system can be called up by selecting the relevant menu or operating element and then pressing the F1 key.
If necessary, all the requirements for setting the respective parameters are also listed in the context-sensitive direct help. Specified standard settings and values are denoted in bold.

Applying or resetting settings

'Apply' / 'Reset'

If you change parameters in a menu, you have to save these changes before switching to another menu.

Button	Function
'Apply'	The current settings in the displayed menu are saved.
'Reset'	The current settings in the displayed menu are not saved, the settings before the changes were made are restored.

Query

If you switch to another menu without applying the changed parameters, the 'Save current changes?' query is displayed:

Button	Function
'Yes'	The parameters are saved. The new menu is opened.
'No'	The parameters are not saved; the parameters in place before the change are restored. The new menu then opens.
'Cancel'	The parameters are not saved. The menu remains open.

Chapter 4
Océ Web BufferOperating the

Operating the Océ Web Buffer - overview

Operating the Océ Web Buffer

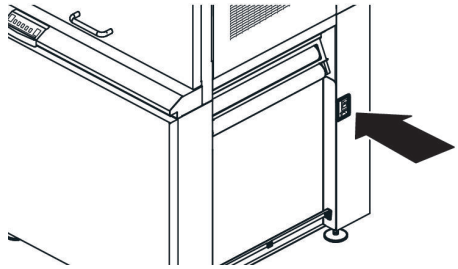
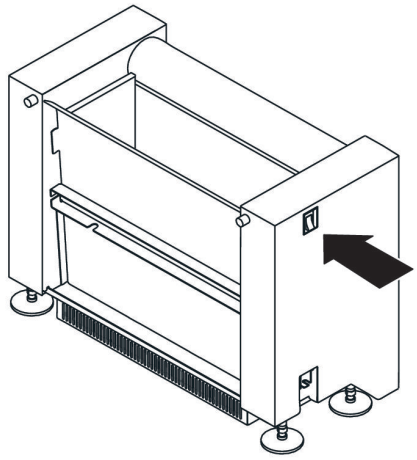
This section explains all work steps required for operating the Océ Web Buffer.

Overview

Here you will find information on the following topics:

Switching on modules

To switch on the modules

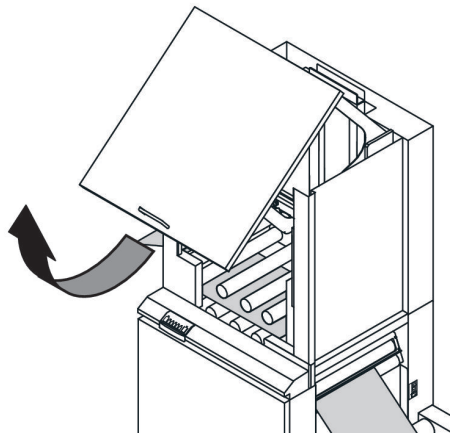
Proceed as follows:		
1.		Set the web buffer module operating switch to "I".
2.		Set the vacuum unit operating switch to "I".
	Note The Océ Web Buffer will be switched to the'Setup' status, the dancer rollers will move to the setup position.	

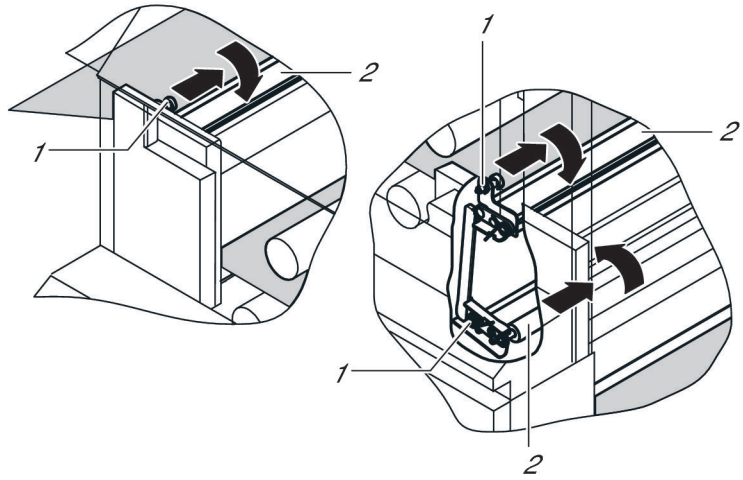
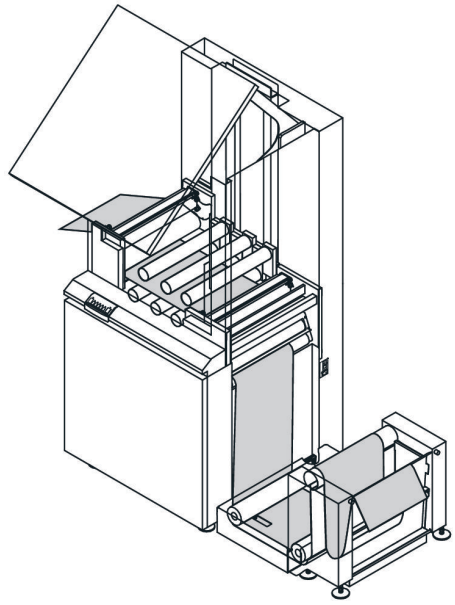
Setting up modules

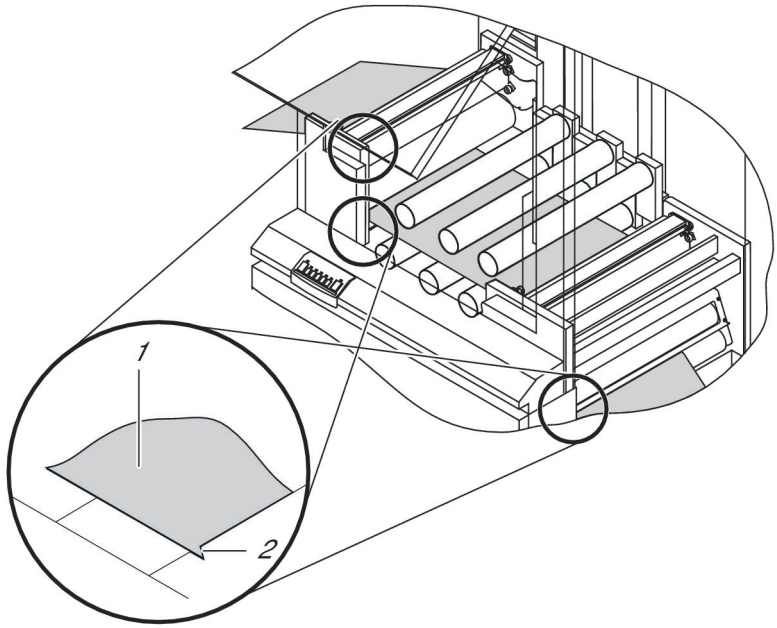
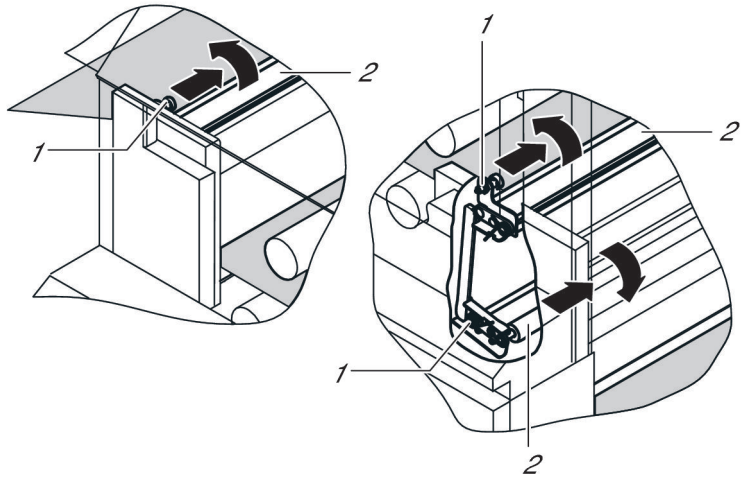
Caution:
Rotating parts web traction unit infeed/web traction unit delivery areas
Parts of the body (particularly fingers), loosely hanging items of clothing and jewelry (e.g. neckties, necklaces, belt ends) and unprotected long hair can be crushed, trapped or pulled into the printing system by the rotating mechanism in these areas.

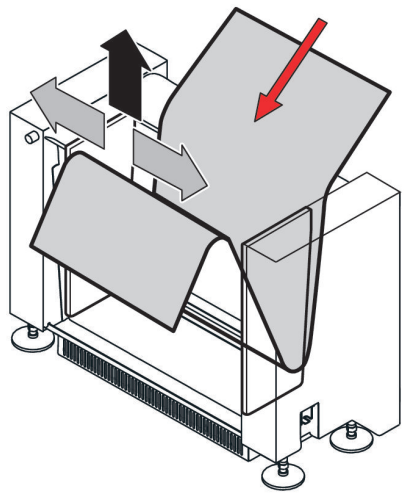
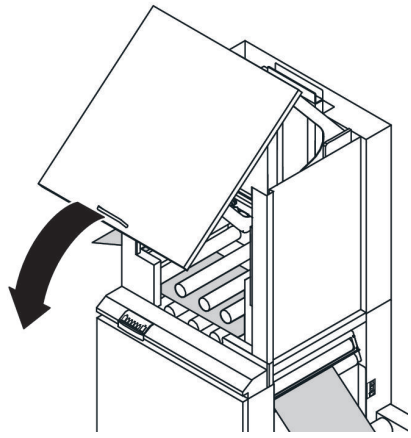
To set up the modules

Setting up modules

Proceed as follows:		
1.	Press the STOP key.	
2.	Press the INITIALIZE key. The dancer rollers move to the setup position.	
3.		Open cover. The dancer rollers are blocked.

Proceed as follows:	
4.	Lift pressure rollers: ■ Pull both latch bolts (1) in the direction of the arrow and swivel clamping mechanism (2) up. ■ Release latch bolts and engage in upper position. 
5.	Press EJECT button until enough paper is available for insertion.
6.	 Manually insert paper web according to paper path diagram. Use INFEED key as an aid: ■ Insert paper web in the vacuum unit pan. Ensure that you do not stretch the paper web too much; the loop should be near the photo cell. ■ Lead paper web through below the paper web feed. ■ Lead paper web through the web buffer module.

Proceed as follows:	
7.	Align paper web to the markings. 
8.	Set pressure rollers: ■ Pull both latch bolts (1) in the direction of the arrow and swivel clamping mechanism (2) down. ■ Release latch bolts and engage in lower position. 

Proceed as follows:		
	**Caution** The fixed stop page for the paper web is to the left in paper path direction. If the paper format is changed, the paper web in the vacuum unit must be aligned to this stop page. The guide of this fixed stop page may not be adjusted.	
9.		Align paper web to the left on the fixed stop page (max. 2mm/0.08" clearance). Pull guide to the upper right side in the paper path direction and position laterally to the paper web (max 2 mm/0.08" clearance).
10.		Close cover.
11.	Press the STOP key. The dancer rollers add tension to the paper web and the paper is pulled in slightly.	
12.	Press the READY key. The web buffer module is now operational.	
13.	Press EJECT until enough paper is available to set up the downstream device. In so doing, check the paper web path.	

Note:
The paper loop in the vacuum unit is automatically initialized for the printing system web advance through the photo cell.

Setting parameters

To set the parameters for the Océ Web Buffer

Proceed as follows:	
1.	On the operator panel, select the menu 'Web Buffer 9000' -> 'Operator configuration'.
2.	Set the following parameters: ■ 'Paper length': 'Infeed' 'Standby' ■ 'Buffer optimum range': 'Low' 'High' ■ 'Output speed': 'Fix' 'Variable' / 'Min' / 'Max' 'Acceleration'
	Note The permitted limit values are displayed on the operator panel. Detailed information on these parameters elements is available directly on the operator panel via the context-sensitive direct help. Direct help can be called up by selecting the relevant operating element and then pressing the F1 key.
3.	Click the 'Apply' button.

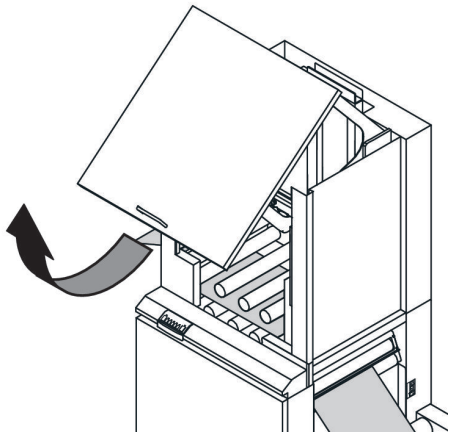
Removing the paper web

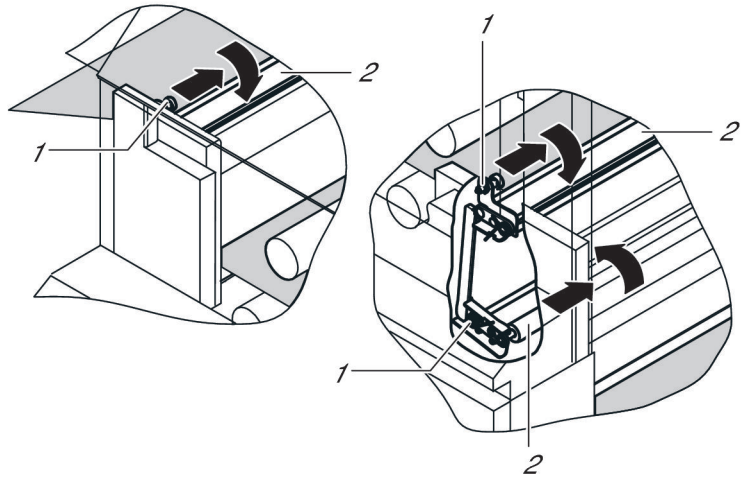
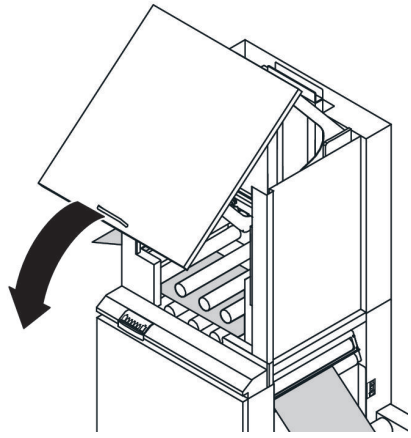
Caution:
To be able to remove the paper web, the Océ Web Buffer, the printing system and paper post processing must be in the "Stop" status.

Note:
The paper web only needs to be removed when a paper web with a different format or weight is to be used.

To remove the paper web

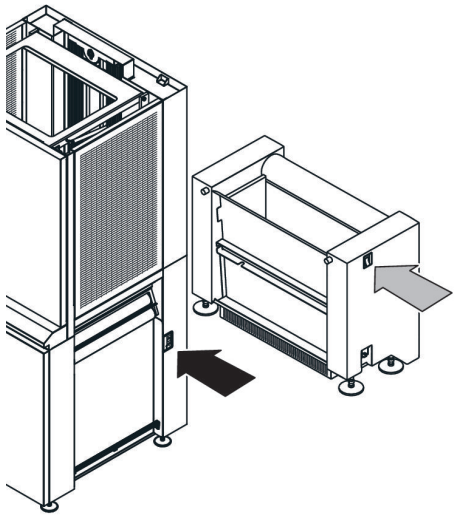
Removing the paper web

Proceed as follows:		
1.	Press the STOP key.	
2.	Press the INITIALIZE key. The dancer rollers move to the setup position.	
3.		Open web buffer module cover. The dancer rollers are blocked.
4.	Cut paper web in front of and behind the Océ Web Buffer.	

Proceed as follows:	
5.	Lift pressure rollers: ■ Pull both latch bolts (1) in the direction of the arrow and swivel clamping mechanism (2) up. ■ Release latch bolts and engage in upper position. 
6.	Remove paper from the web buffer module, paper web feed and vacuum unit.
7.	 Close web buffer module cover.

Switching off the vacuum unit and the web buffer module

To switch off the vacuum unit and web buffer module

Proceed as follows:		
1.	Click the following button on the operator panel:  and confirm the 'Do you really want to power off the printing system?' query.	
2.		Switch off web buffer module and vacuum unit at the operating switches.

Chapter 5
Océ Web BufferCleaning
the

Cleaning the Océ Web Buffer - overview

Caution:

- If not otherwise expressly indicated, disable the power supply for all cleaning operations by switching off operating switches.
- Ensure that all protective equipment is fitted and functional after cleaning operations.

Attention:

- Please follow the manufacturer's safety directives.
- Do not use chemical solvents or other aggressive cleaning agents.

Cleaning the Océ Web Buffer

This section shows you the intervals for cleaning the different assemblies.

Cleaning agents and equipment

The following cleaning aids should be used:

Cleaning agent	Purpose	Remarks
Cleaning agent (standard store-bought quality)	Cleaning painted and lacquered surfaces	**Caution** Do not use chemical solvents or other aggressive cleaning agents.
Paper towels	Cleaning areas soiled with toner, developer and dust	Standard store-bought, lint-free tissues (e.g. KLEENEX, KALLE etc.)
Foam cloth	Cleaning surfaces	MOLTOPREN or similar qualities
Vacuum cleaner	Removing paper dust and residue, toner and developer residue/spill	**Caution** The vacuum cleaner must have a grounded suction tube. For vacuuming large quantities of toner, use an explosion-proof industrial vacuum cleaner.

Cleaning intervals

The table shows the cleaning activities required for reliable and stable print operation:

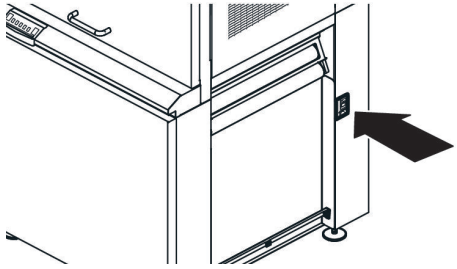
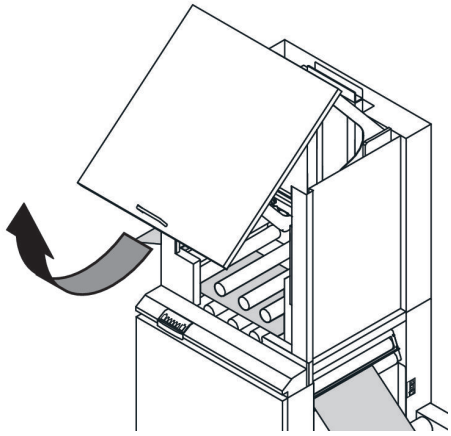
Time	Cleaning location		Task
Daily	Vacuum unit, paper web feed, web buffer module	Inside/outside	*'Clean modules daily'* on page 60
	Vacuum unit	Photo cell and reflector	
	Web buffer module	Pressure roller	
		Antistatic strip	
Weekly	Vacuum unit	Diverter roller	*'Cleaning modules weekly'* on page 63
	Paper web feed	Diverter rollers	
	Web buffer module	Diverter roller	
		Dancer rollers	

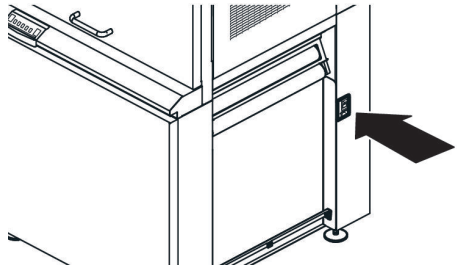
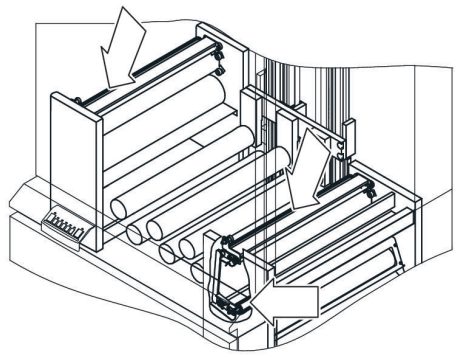
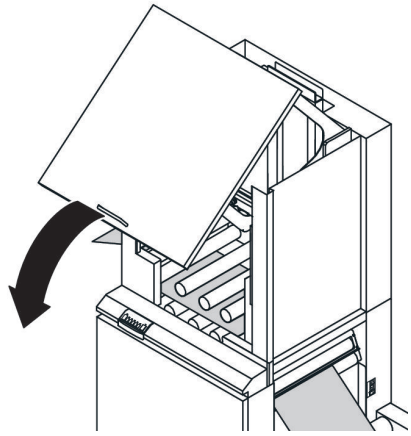
Clean modules daily

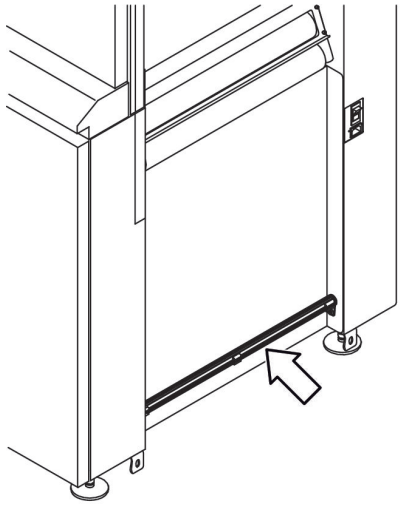
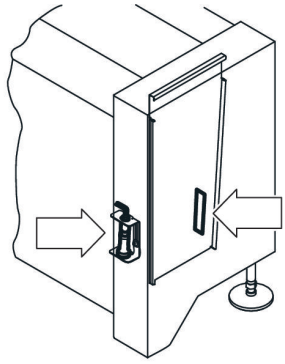
To clean the modules daily

Caution:
There can be a high build-up of static charge when vacuuming the toner spill. Always use an industrial vacuum cleaner with a grounded suction tube, rubber nozzle and filter set for fine dust. For larger toner quantities, the industrial vacuum cleaner must be explosion-proof.

Cleaning modules daily

Proceed as follows:		
1.		Set the web buffer module operating switch to "I".
2.		Open web buffer module cover.

Proceed as follows:		
3.		Switch off web buffer module.
4.	Use a vacuum cleaner to remove paper dust from the interior of the web buffer module.	
5.		Use a vacuum cleaner to remove paper dust and toner residues from all three pressure rollers.
6.		Close web buffer module cover.
7.	Use a vacuum cleaner to remove paper dust from the exterior of the paper web module, paper web feed and vacuum unit.	

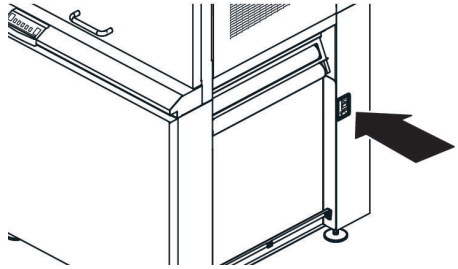
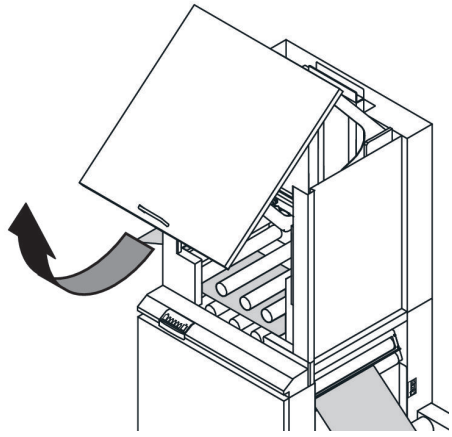
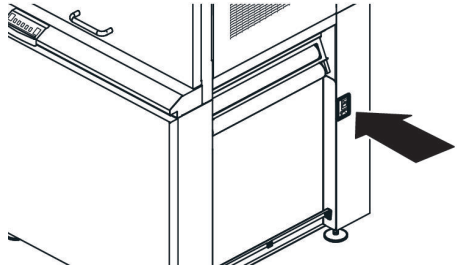
Proceed as follows:		
8.		Use a vacuum cleaner to remove paper dust from the antistatic strip.
	Caution Never touch the optics with your hands. Oil and dirt on the hands results in quicker soiling of the optics and leads to print errors.	
9.		Use a soft cloth to clean the photo cell and reflector in the vacuum unit.

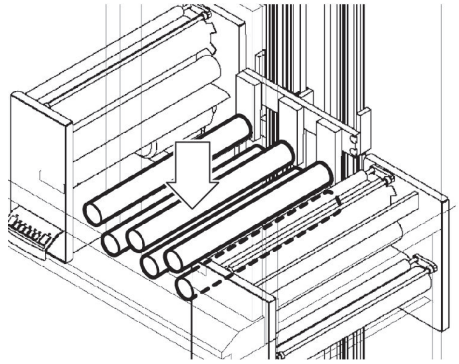
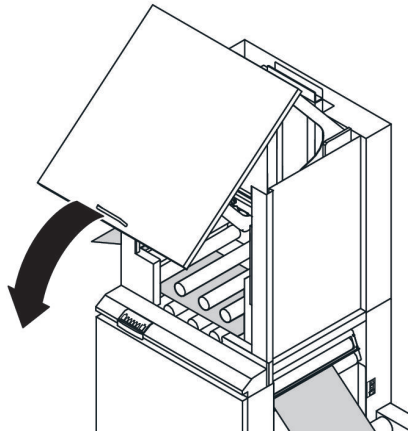
Cleaning modules weekly

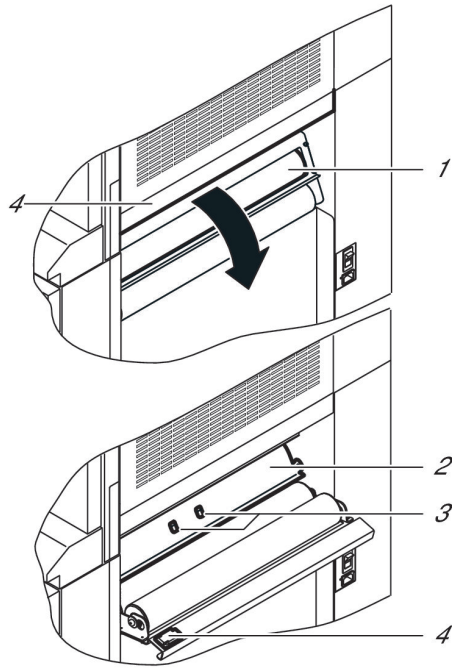
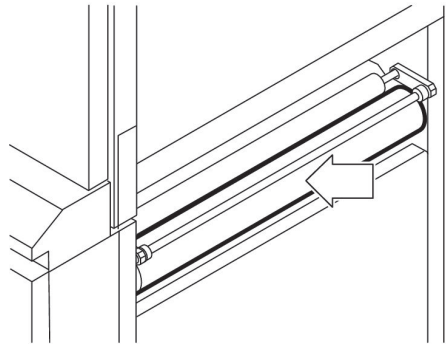
To clean the modules weekly

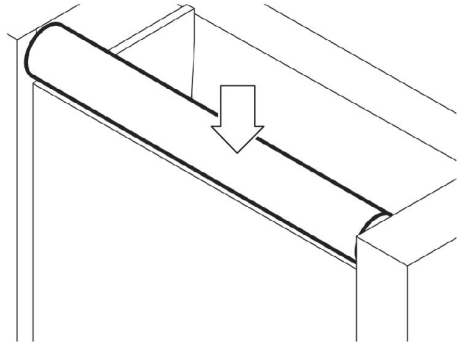
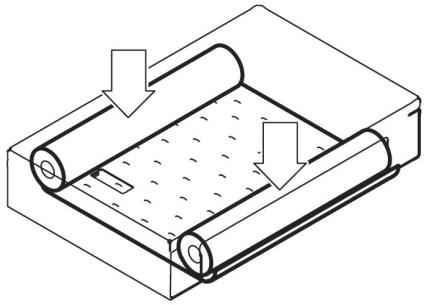
Caution:
Do not use solvents
Wipe the rollers with a lint-free cloth soaked in isopropyl alcohol.

Cleaning modules weekly

Proceed as follows:		
1.		Set the web buffer module operating switch to "I".
2.		Open web buffer module cover.
3.		Switch off web buffer module.

Proceed as follows:		
4.		Wipe dancer rollers with the cloth.
5.		Close web buffer module cover.

Proceed as follows:		
6.		Open lock (4) and swivel diverter roller (1) in the direction of the arrow. Grasp feed plate (2) by the openings (3) and remove. Wipe the feed plate (2) with a lint-free cloth soaked in isopropyl alcohol (do not use solvent). Reinsert feed plate, swivel back the diverter rollers and close the lock again.
7.		Wipe diverter roller of web buffer module with the cloth.

Proceed as follows:		
8.		Wipe diverter roller of vacuum unit with the cloth.
9.		Wipe diverter roller of paper web feed with the cloth.

Chapter 6
Correcting problems

Correcting problems - overview

Caution:

- If not otherwise expressly indicated, disable the power supply for all maintenance tasks by switching off the operating switch.
- Before powering on again and after maintenance tasks and repairs, ensure that all protective equipment is fitted and functional.

Correcting problems

This section helps you correct possible problems. The context-sensitive help in the operator panel of the printing system gives you detailed information on cause and correction of specific error or warning messages.

Stopping the Océ Web Buffer

There are two options:

- No paper damaged. In this case, correct the problem such that production can continue without removing paper from the system.
- Paper damaged. In this case, the following procedure is recommended:
  1. Remove an dispose of paper web.
  2. Note down problem.
  3. Reset the system.

Overview

Here you will find information on the following topics:

- *'Processing messages on the operator panel'* on page 69
- *'Correcting paper path problems'* on page 72

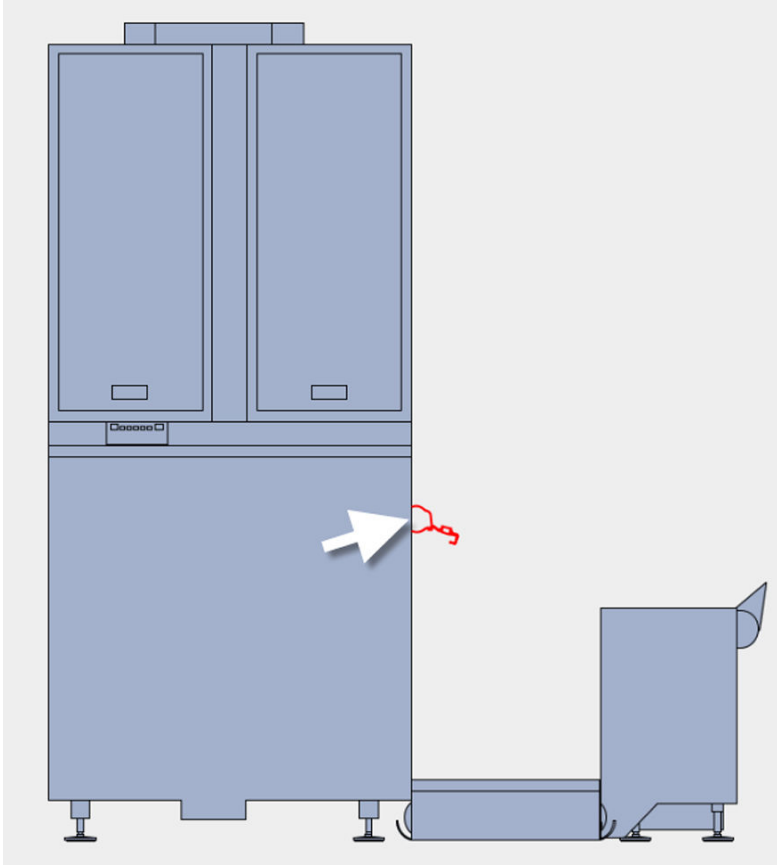
Processing messages on the operator panel

Introduction

Error messages and warnings for the Océ Web Bufferare recorded by the controller and displayed on the printing system operator panel.

Note:
A Océ Web Buffer error message always triggers a stop for the printing system. Consequently, the web traction unit delivery on the web buffer module is immediately stopped. The web traction unit infeed continues to run until the printing system itself actually stops. The Océ Web Buffer then switches to the 'Stop' status, or to the 'Setup' status in the event of a tear in the paper web.

To process messages on the operator panel

Proceed as follows:	
1.	To process a message, call up the menu 'Web Buffer 9000' -> 'Error display'. The current message will be displayed at the top, and the affected assembly will be displayed in color at the bottom. For example: 
2.	Press the F1 key.
3.	Click on the link of the relevant error message and correct the cause of the error according to the instruction in the message.

Controlling the view of the Océ Web Buffer

Controlling the view of the Océ Web Buffer

Button	Function
	Switches back to the preset standard view after modifications.
	Zooms in on the current view.
	Zooms out of the current view.
	Shifts the visible cutout in the direction of the arrow.
	No function
	Changes the view between: ■ Display of the message without graphic representation ■ Display of the message with graphic representation ■ Graphic representation only, without message display

Correcting paper path problems

Vacuum unit

Problem	Cause	Correction
No loop in the vacuum unit	The photo cells or reflectors are dirty. The fans are not running.	Clean photo cells and reflectors (see *'Clean modules daily'* on page 60). If the problem persists, inform Service.
Lateral paper web tears	The guide is set incorrectly.	Set up guide (see *'Setting up modules'* on page 48).

Web buffer module

Problem	Cause	Correction
The web traction unit infeed runs very slowly after the printing system starts.	The printing system is not sending signals, or the UP3i communication is interrupted.	Restart the Océ Web Buffer and the printing system. If the problem persists, inform Service.
Web traction unit delivery is not working.	The downstream device has not started.	Start downstream device.

Appendix A
Technical data

Technical data

Technical data

This section contains a summary of the most important technical data.

Paper

Paper web width	Minimum: 165 mm (6.5") Maximum: 520.7 mm (20.5")
Paper weight	28 g/m² to 240 g/m²
Buffer volume	Maximum 9 m (29.5 ft)

Mechanical conditions

Speed	max. 120 m/min (393.7 ft/min)
Weight	Web buffer module: 370 kg (816 lb) Vacuum unit: 47 kg (104 lb) Paper web feed: 30kg (60.2 lb)

Environmental conditions

Room temperature	Rated operation: 15° C to 30° C (59° F to 86° F) Limit of operation: 10° C to 32° C (50° F to 89.6° F)
Relative humidity	Rated operation: 10 to 75% Limit of operation: 10 to 80%
Lowest absolute humidity	Rated operation: 2 g/m³ Limit of operation: 1 g/m³
Highest absolute humidity	Rated operation: 22 g/m³ Limit of operation: 25 g/m³

Electrical values

Electrical values

Electrical power supply	208 VAC ±10% 2LPE 50/60Hz 230 VAC ±10% LNPE 50/60Hz Power supply 208V, two phases/earth
Nominal current	Web buffer module: 2.5 A Vacuum unit: 0.4 A
Effective power	Web buffer module: 462 W Vacuum unit: 87 W
Apparent power	Web buffer module: 600 VA Vacuum unit: 96 VA
Back-up fuse	16 AT client-side
Heat emission	Web buffer module: 1577 BTU/h (1664 kJ/h) Vacuum unit: 297 BTU/h (314 kJ/h)

Appendix B
Your comments on this user guide

Your comments on this user guide

Introduction

We are interested in your opinion on this user guide for the Océ Web Buffer. This will help us improve this user guide. Please fill out these pages and fax them back to us: +49 8121 72 3420
Or send your comments by e-mail to: itc-userdoc@oce.nl

Thank you for your help.

Comments

Can you find the information you need quickly and easily?
O Yes
O No

Are your activities described fully and in sufficient detail?
O Yes
O No

Is the text easy to understand?
O Yes
O No

Are the illustrations easy to understand?
O Yes
O No — too abstract
O No — too detailed

Is the amount of background information sufficient for your needs?
O Yes
O No — not enough
O No — too much

What did you use to find the required information?
O Table of contents
O Index

Are you satisfied with this user guide?
O Yes
O No

What should we omit from, change or add to the user guide?

Sender

This reader's comment sheet is completed by:

Name:
Occupation:
Phone:

Company:
Address:
City:
Country:

Date:

(If you prefer to remain anonymous, please only fill in your occupation.)

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