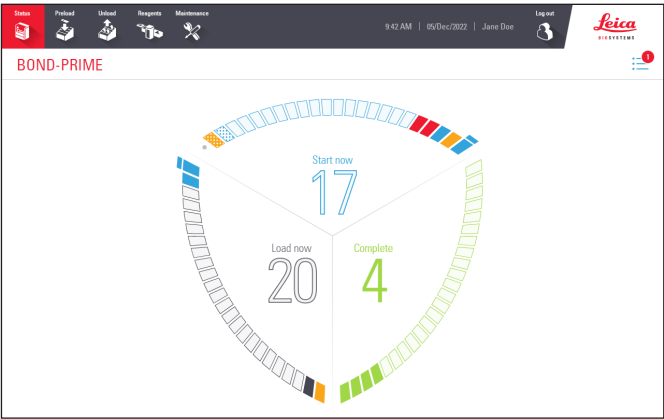


Advancing Cancer Diagnostics  
Improving Lives



# BOND-PRIME Quick Tips



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## Shut down procedures

- » Shut down the processing module (login required)
- » Disconnect the processing module (login required)

\* assumes the following preliminary tasks are completed:

- » Protocol and reagent checks
- » Setting up slides (up to and including labeling slides).

For further details, refer to the Quick Start chapter in the BOND System User Manual.

## Contact Details

For sales, service and support, please contact your local Leica Biosystems representative. Contact details for all regions can be found on our website:

**LeicaBiosystems.com**

**For more detailed information please refer to the BOND-PRIME User Manual.**

## Intended use

The BOND system automates clinical protocols for immunostaining of pathology specimens mounted on microscope slides. Microscope slides subsequently undergo interpretation by a qualified healthcare professional to aid diagnosis.



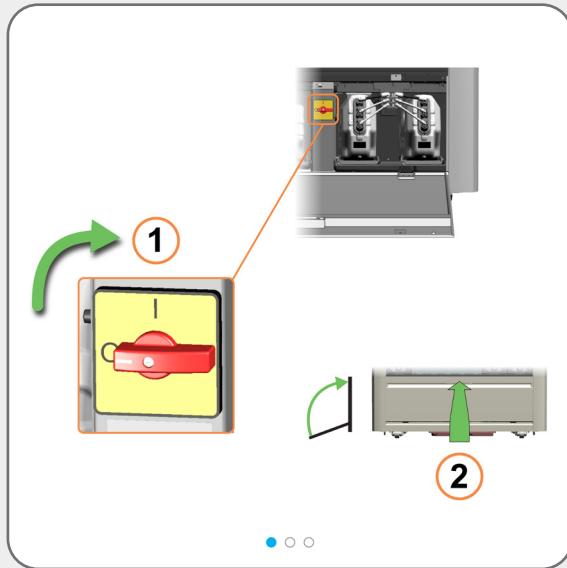
Leica Biosystems Melbourne Pty Ltd  
495 Blackburn Road  
Mount Waverley VIC 3149  
Australia

## Revision record

Rev.	Issued	Sections affected	Detail
A07	October 2023	Use the BOND-PRIME ARC Refresh Kit	ARC Refresh Kit usage changed to 8-monthly/7,500 slides.
A06	May 2023	Required cleaning tasks	Minor corrections
A05	January 2023	Use the BOND-PRIME ARC Refresh Kit Shut down the processing module (login required)	Minor corrections
A04	July 2022	Required maintenance tasks	ARC Refresh Kit usage changed to 4 monthly
A03	January 2022	Required cleaning tasks Required maintenance tasks	Updated Intended use statement. Updated images, screenshots, and text in a number of cleaning and maintenance topics
A02	June 2021	Action Queue and Alert Banner Required cleaning tasks Required maintenance tasks	Updated icon descriptions Updated images, screenshots, and text in a number of cleaning and maintenance topics
A01	April 2021	All	First release.

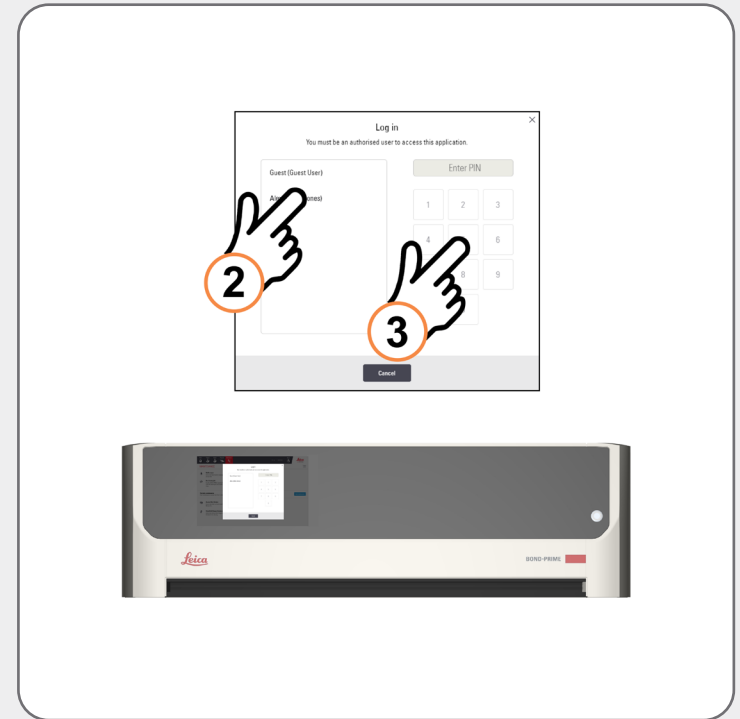
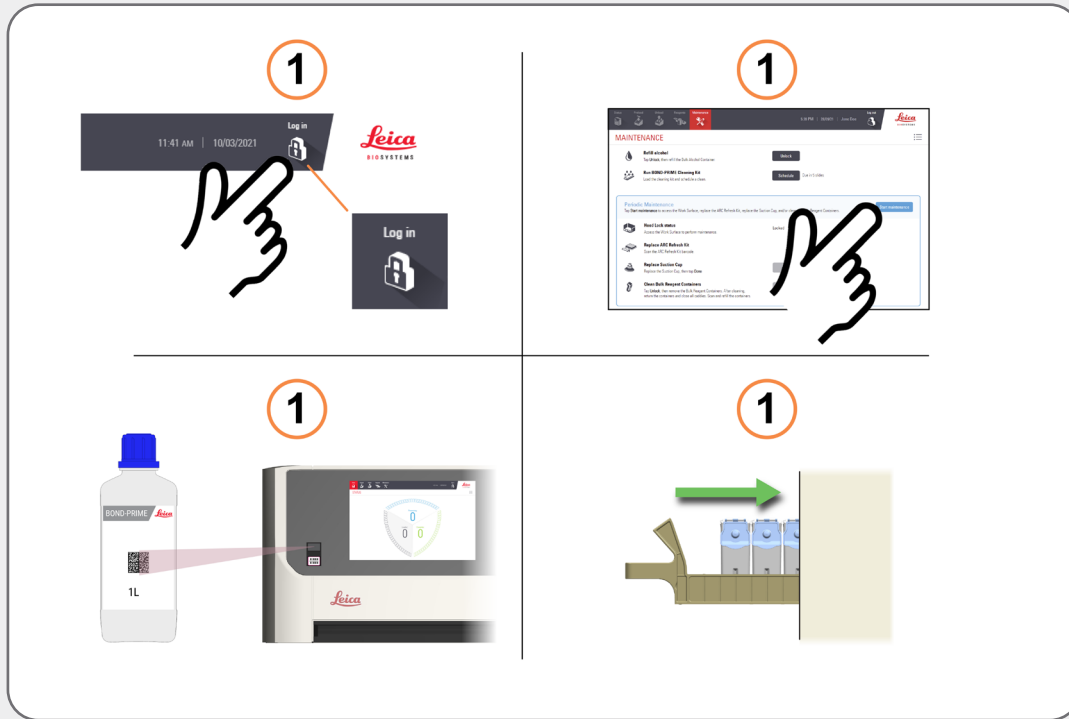
# Start the BOND-PRIME Processing Module

## Startup procedure



# Log in and log out

## Log in



If nobody is logged in, various actions will cause the **Log in** dialog to appear, for example:

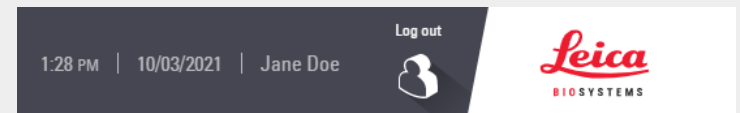
- » tapping the **Log in** button
- » tapping the **Start maintenance** button on the **Maintenance** screen
- » scanning the barcode on a bulk reagent refill bottle
- » loading a reagent tray onto the reagent platform

Next, in the **Log in** dialog, tap your user name and then enter your PIN.

When you have logged in successfully, your name is displayed next to the date.



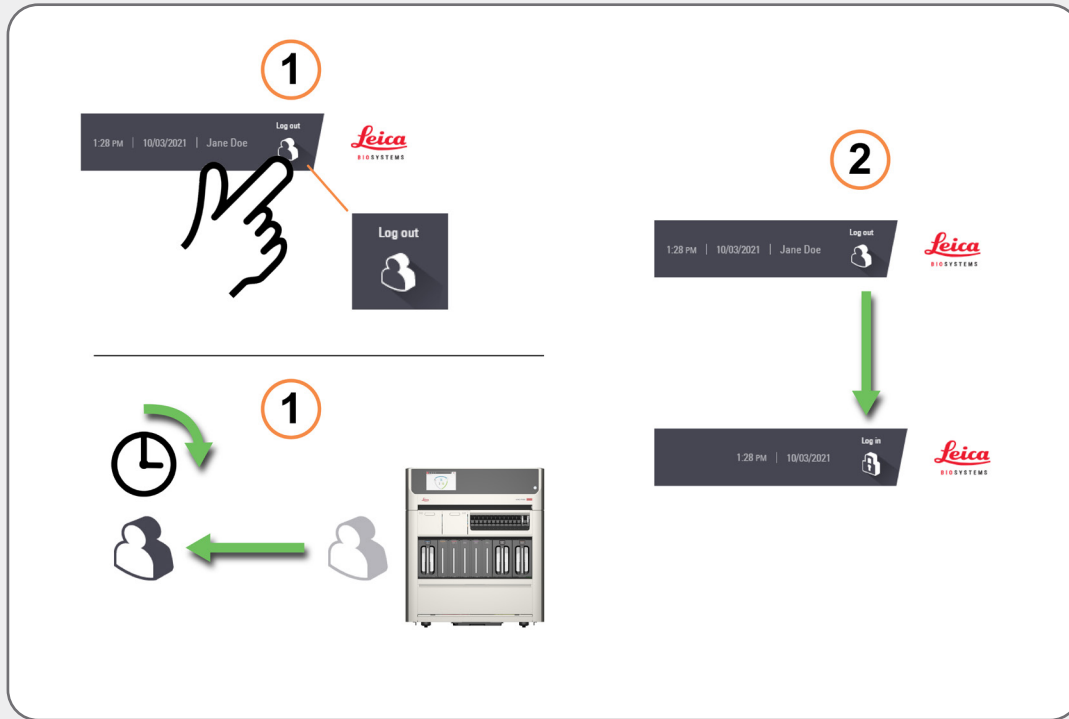
Refer to the separate BOND System user manual for information about setting or changing your PIN.





# Log in and log out

## Log out



To log out, tap the **Log out** button.

Or, if you do not interact with the processing module for a pre-determined time period, you will be logged out automatically.



You can change this time period in the Administration Client on the BOND Controller. Refer to the separate BOND System user manual.

# Action Queue and Alert Banner

## Show and hide the Action Queue



To show and hide the Action Queue, tap the button.

To show more or less information about each item in the Action Queue, tap the arrow to the right of the item.

The level of importance of each Action Queue item is indicated by an icon:



**Warning:** Take immediate action.



**Caution:** Take action at your next opportunity.



**Information:** For your awareness.

The number on the Action Queue button reflects the number of Warnings and Cautions only.

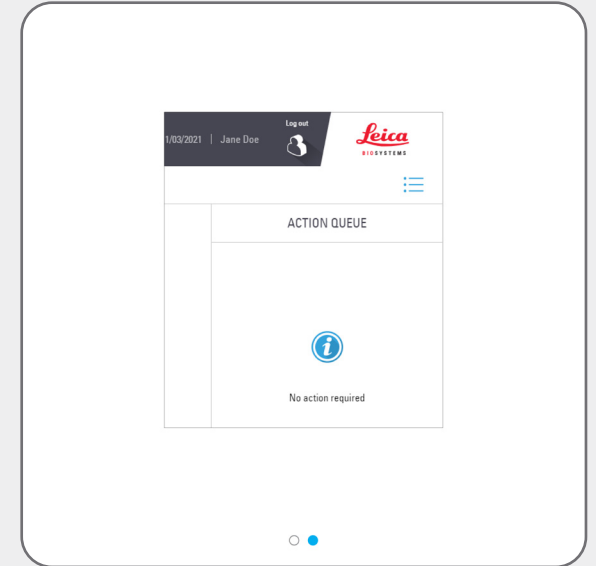
# Action Queue and Alert Banner

Complete a task indicated in an Action Queue Item



The task could be maintenance-related.

In this case, refer to **Maintenance tasks** in the BOND-PRIME user manual.



# Action Queue and Alert Banner

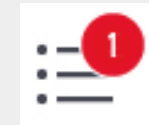
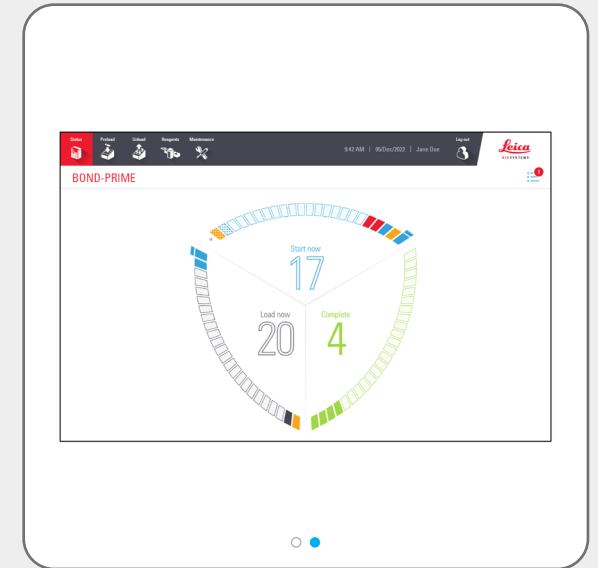
## Complete a task to hide the Alert Banner



Although the BOND-PRIME software allows you to manually hide the Alert Banner, you should, if possible, complete the suggested task.

The suggested task could be maintenance-related.

In this case, refer to **Maintenance tasks** in the BOND-PRIME user manual.



# Example sequence of events for processing slides

## Load the Reagent Tray and DS9824 Detection System

①

②

③

- \*CD5
- \*CD3
- \*CD10
- \*Bcl-6
- \*Hx (AR0096)

● ○ ○ ○ ○ ○

④

⑤

⑥

5 4 3 2 1

● ○ ○ ○ ○ ○

①

②

③

BOND-PRIME DS9824

○ ○ ● ○ ○ ○

④

⑤

⑥

6 7 8 9 10

1 2 3 4 5

○ ○ ○ ● ○ ○

①

②

③

○ ○ ○ ○ ● ○

REAGENTS

Reagent	Status
BOND-PRIME Prime DS9824	100%
*CD5	100%
*CD3	100%
*CD10	100%
*Bcl-6	100%
*Hx	100%

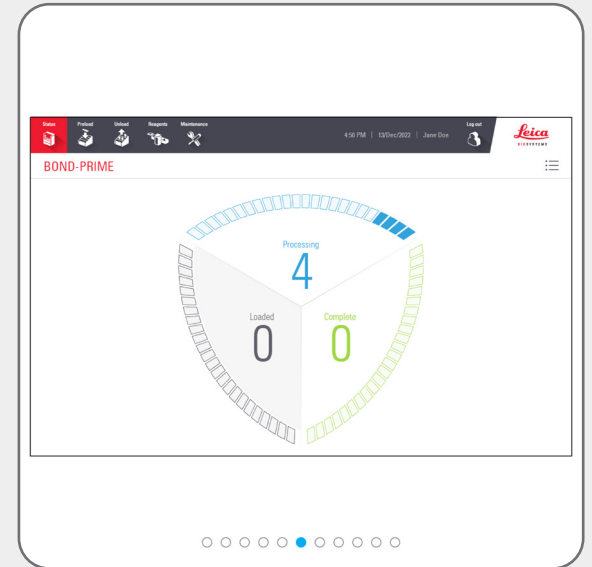
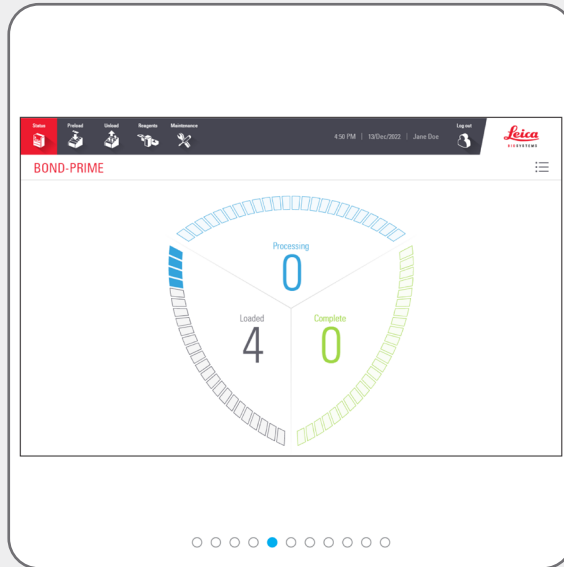
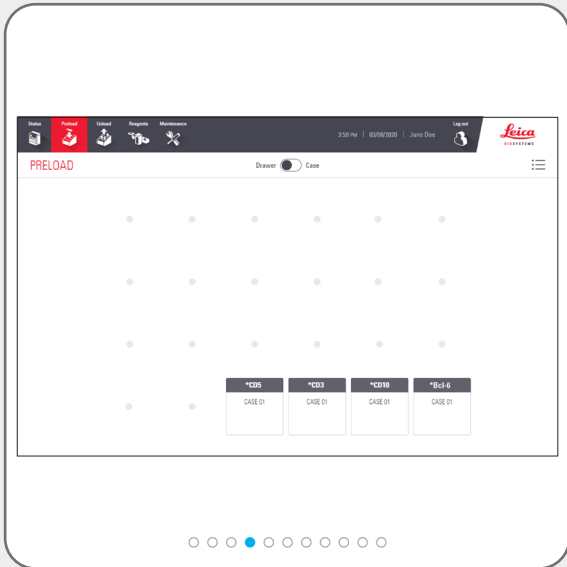
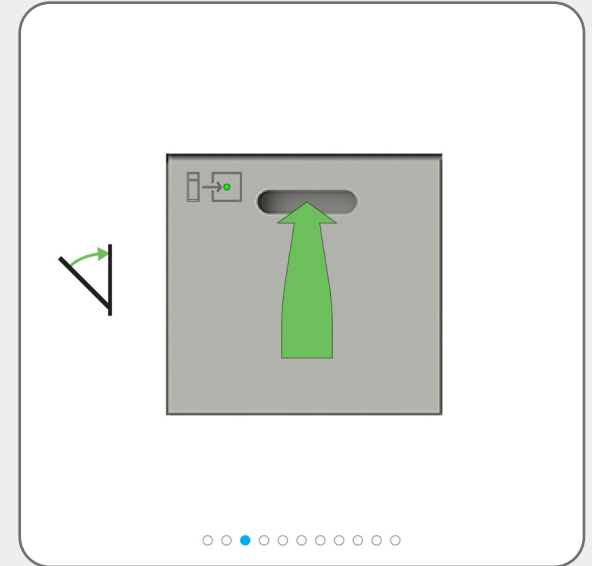
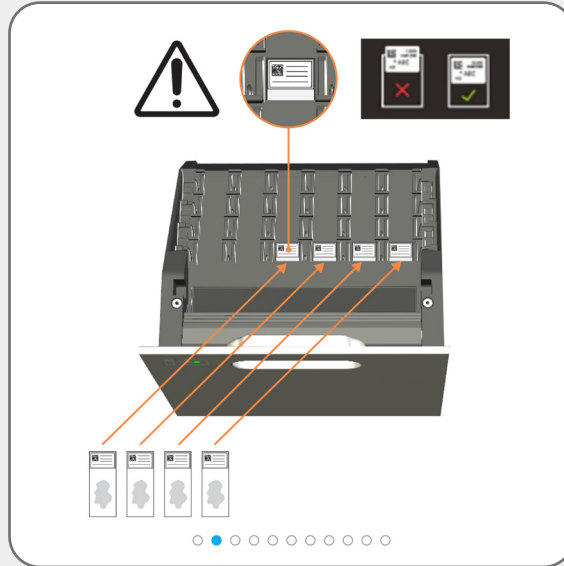
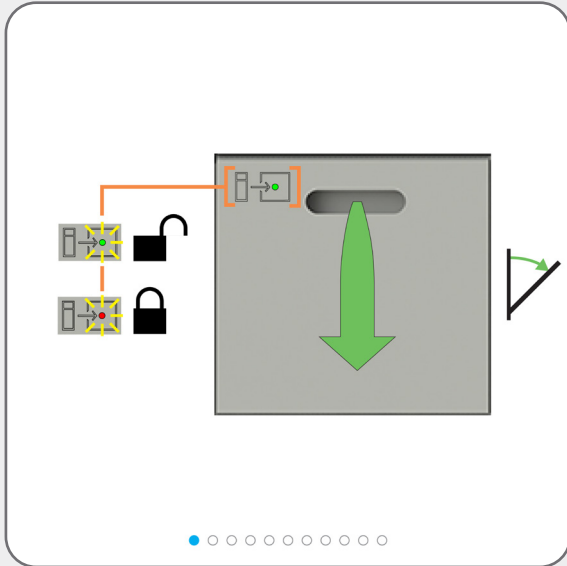
○ ○ ○ ○ ● ○



Load reagents at the start of a run (before loading slides) to allow time for volume checks.

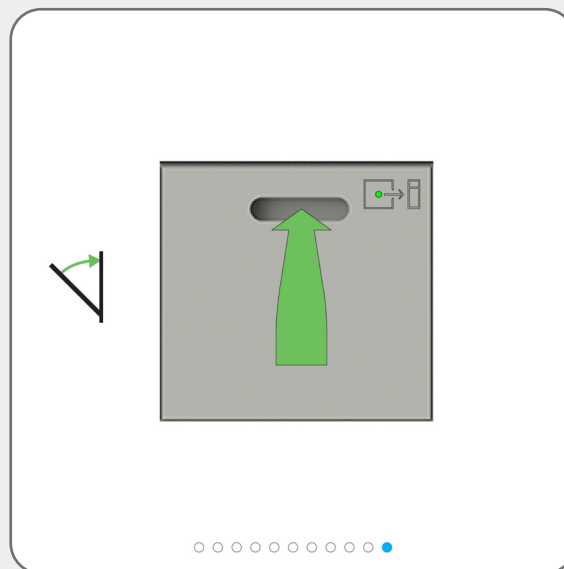
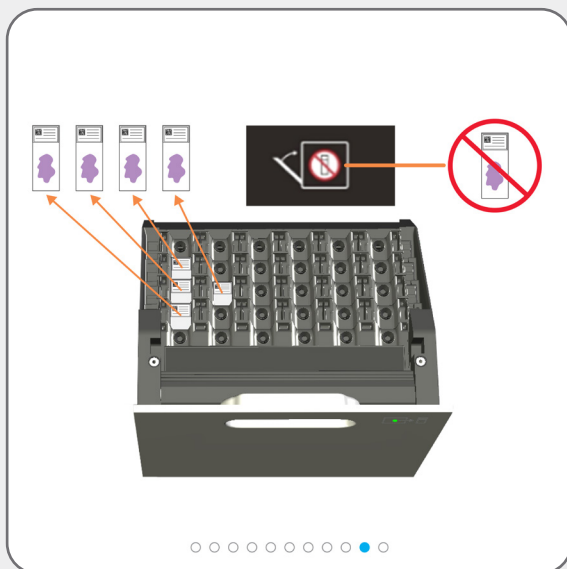
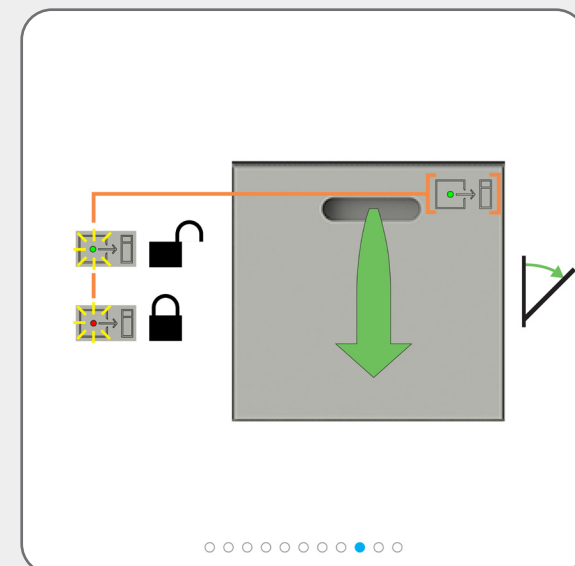
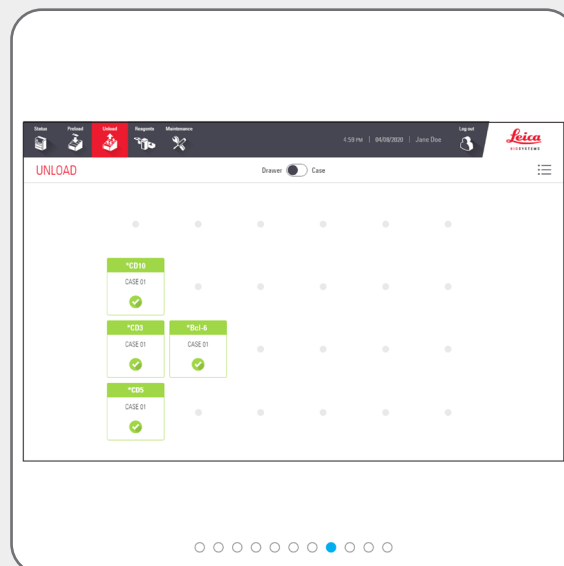
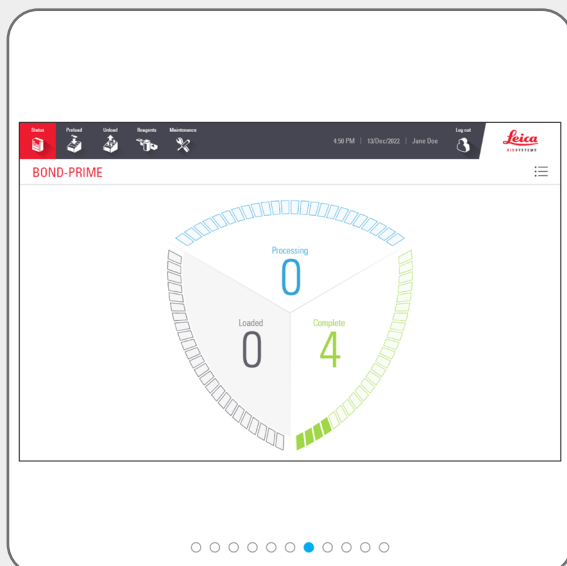
# Example sequence of events for processing slides

Preload, process, and unload the slides



# Example sequence of events for processing slides

## Preload, process, and unload the slides



Unload **all** completed slides frequently. If the Unload Drawer reaches capacity, it can hinder processing, extending the Estimated Time of Completion. When you close the Unload Drawer, it **must not** contain any slides.



Unload reagents that are no longer required for use. Close reagent container lids firmly to prevent reagent evaporation, and immediately store the reagents as recommended on the label or reagent data sheet.

# Required cleaning tasks

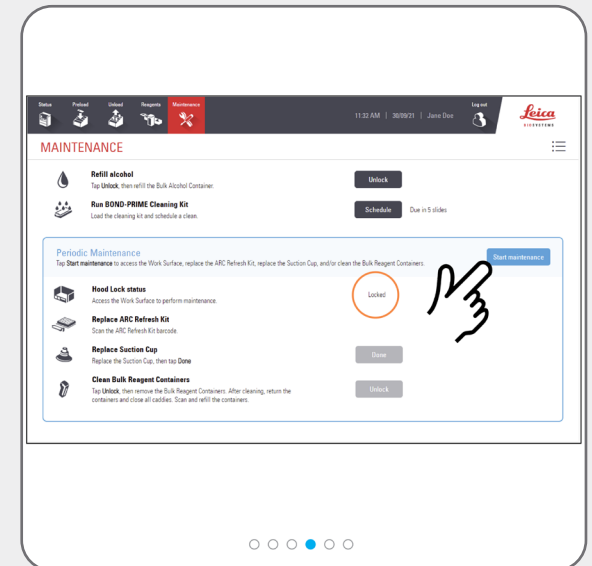
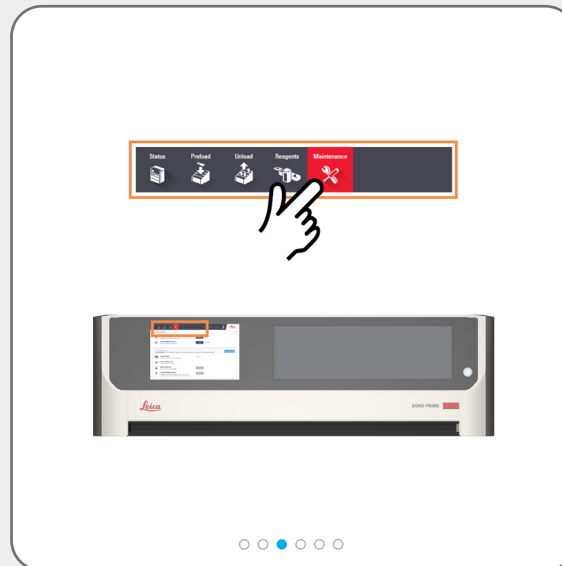
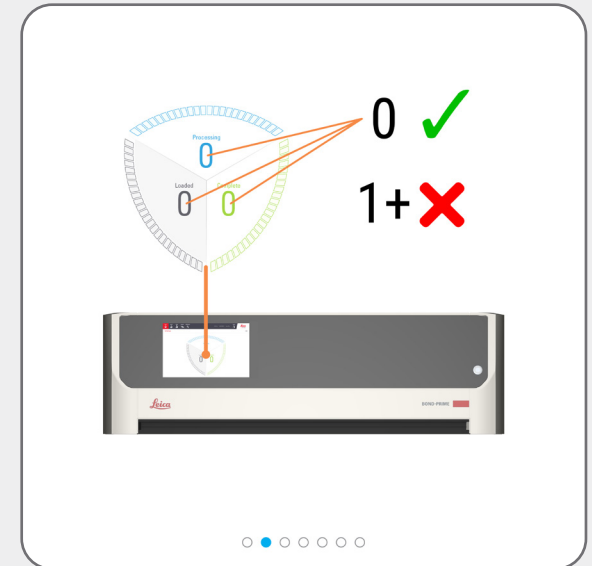
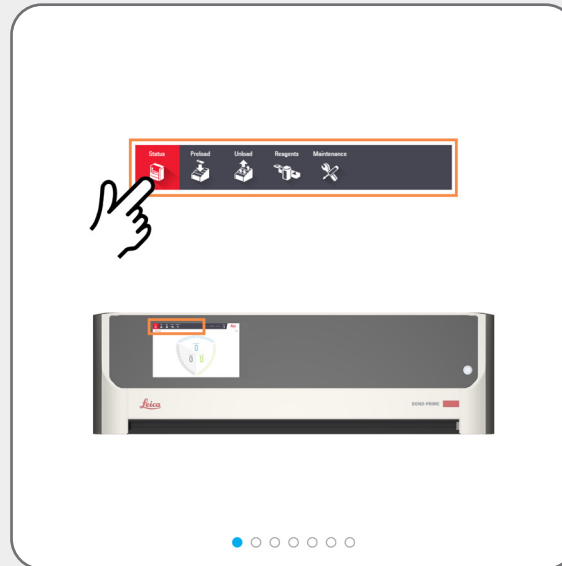
## Start Maintenance (login required)



Use the Start Maintenance procedure when you access the Work Surface, clean the Bulk Reagent Containers, replace the Suction Cup, or [Use the BOND-PRIME ARC Refresh Kit](#).

Before you start a maintenance task, look at the Status screen.

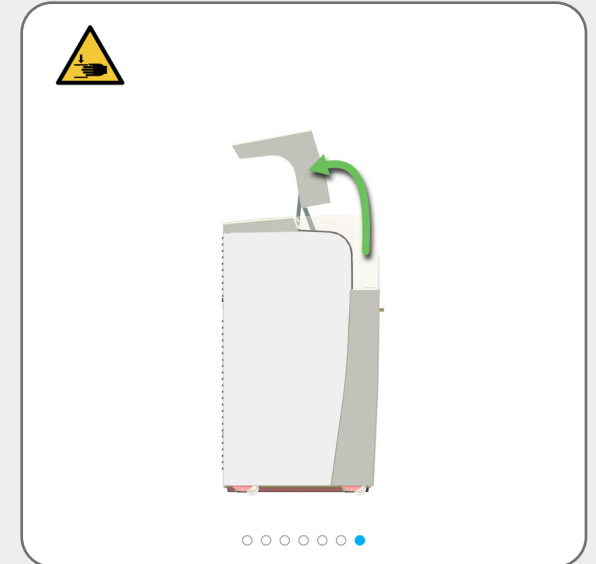
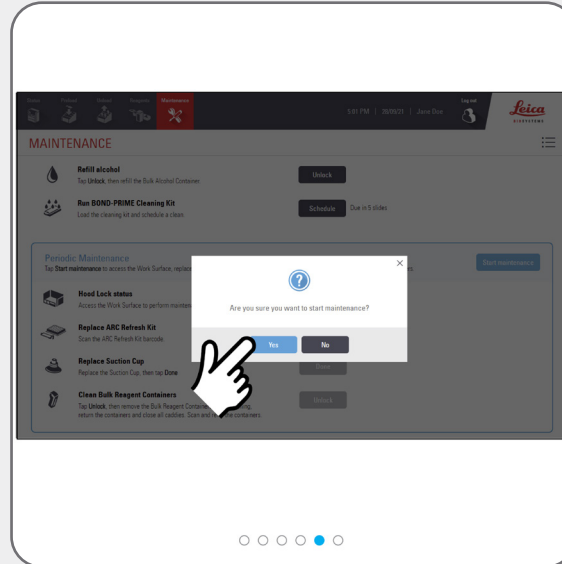
Make sure that no slides are currently being processed, and that no slides are in the Preload and Unload Drawers.





# Required cleaning tasks

## Start Maintenance (login required)



# Required cleaning tasks

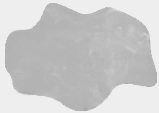
## Clean the Suction Cup



[Start Maintenance \(login required\)](#)  
to access the Work Surface and  
open the ARC Modules.



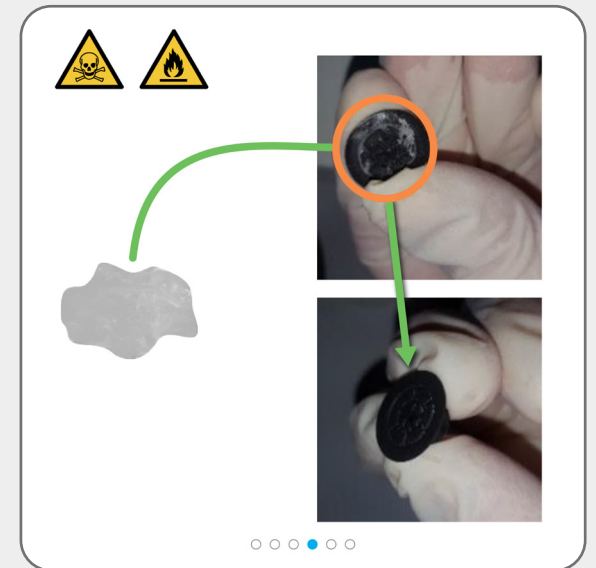
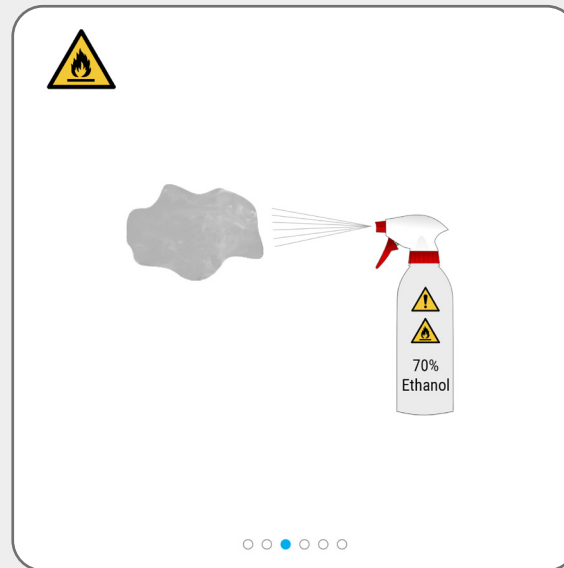
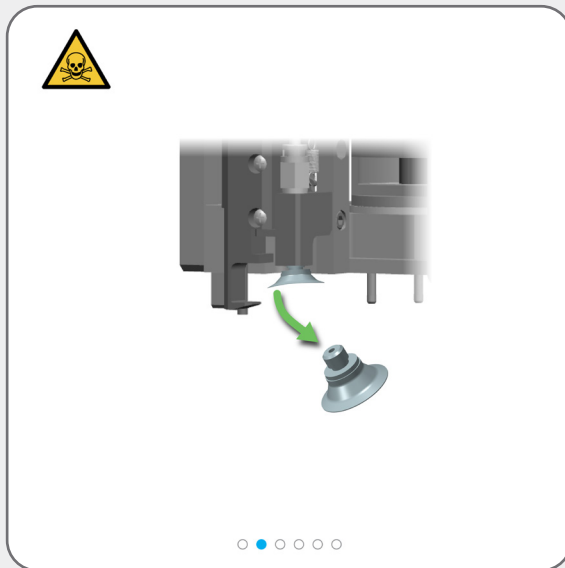
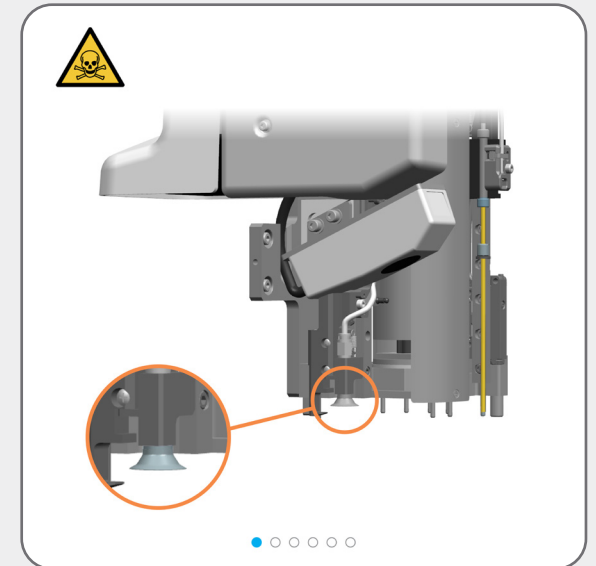
**WARNING:** You must wear the  
minimum required PPE before you  
clean the processing module.



Use a clean lint-free cloth,  
moistened with 70 % ethanol  
solution.

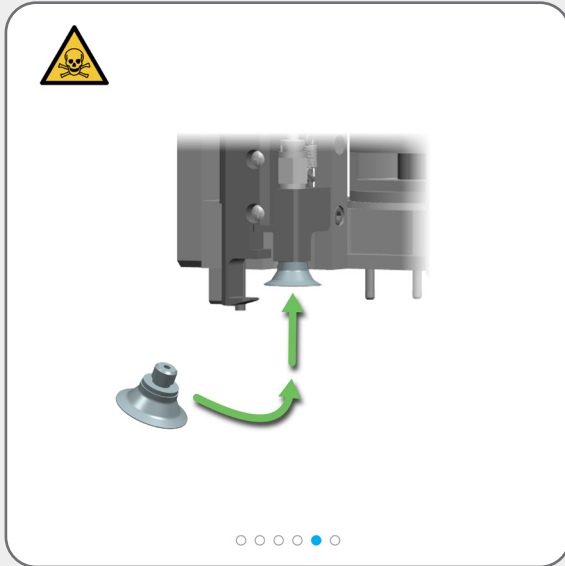


To help prevent dropping  
the Suction Cup into the  
processing module, carefully  
move the High-Speed Robot  
over the Reagent Platform.



# Required cleaning tasks

## Clean the Suction Cup



If you no longer require access to the Work Surface, close the Hood and then [Stop Maintenance \(login required\)](#).



# Required cleaning tasks

## Wipe internal surface of ARC Modules



[Start Maintenance \(login required\)](#) to access the Work Surface and open the ARC Modules.



**WARNING:** You must wear the minimum required PPE before you clean the processing module.



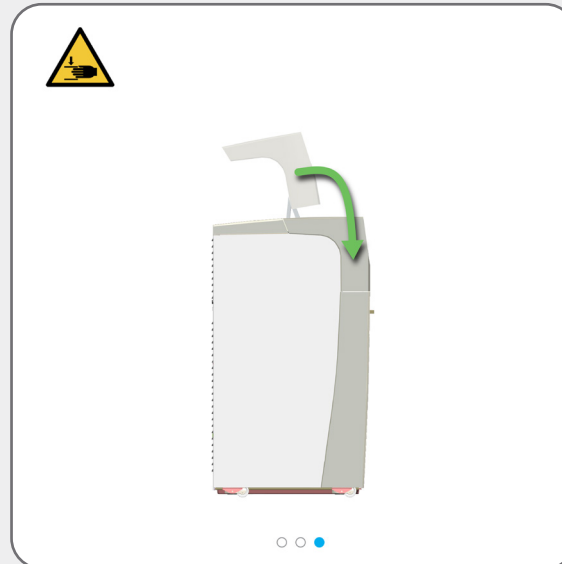
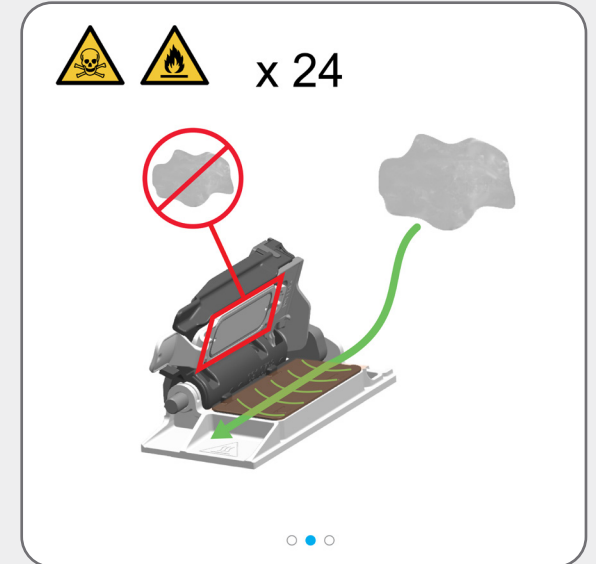
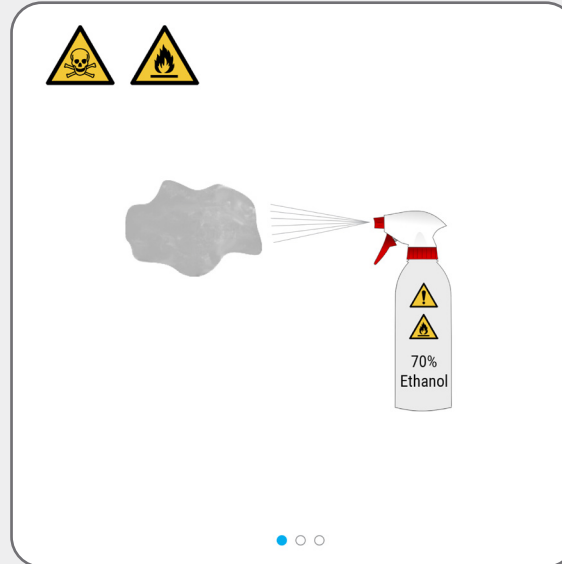
Use a clean lint-free cloth, moistened with 70 % ethanol solution.



The processing module automatically closes the ARC Modules when you stop maintenance.

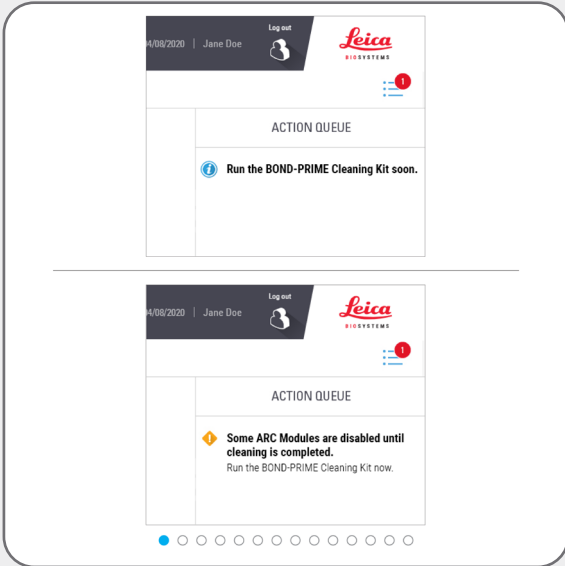


If you no longer require access to the Work Surface, close the Hood and then [Stop Maintenance \(login required\)](#).



# Required cleaning tasks

## Use the BOND-PRIME Cleaning Kit (login required)



Run the BOND-PRIME Cleaning Kit soon



**Some ARC Modules are disabled until cleaning is completed**

Run the BOND-PRIME Cleaning Kit now.



ARC Modules must be cleaned when the usage count is between 17 and 23.



You must register the BOND-PRIME Cleaning Kit on the BOND Controller (refer to BOND System user manual).



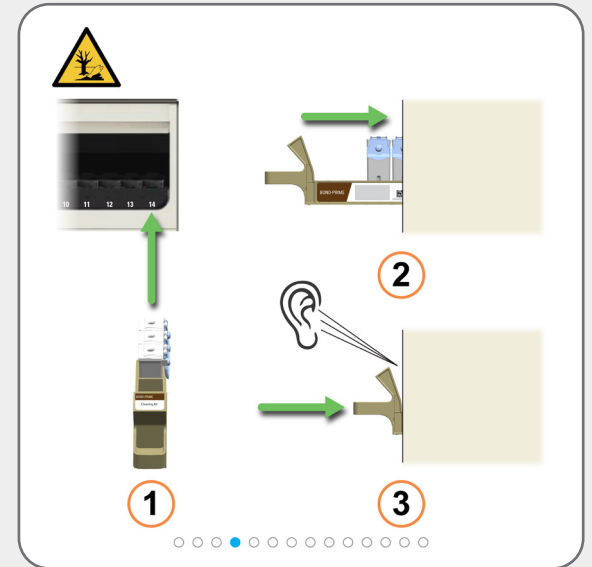
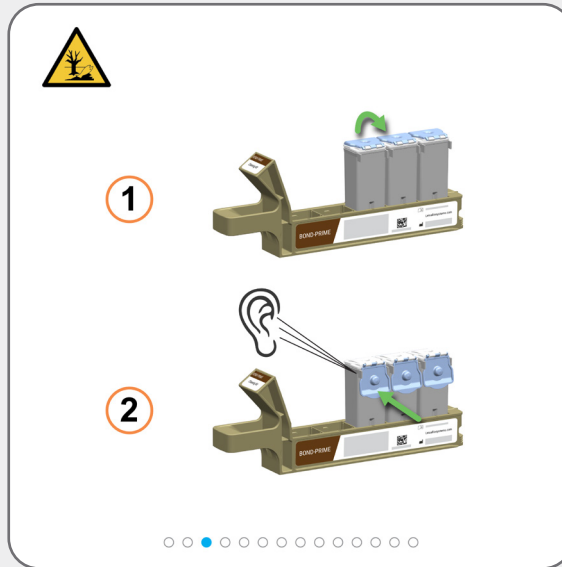
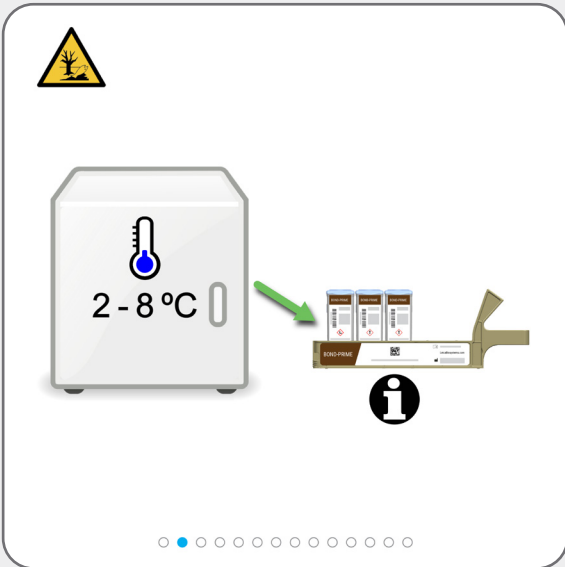
If required:

[Refill the DI Water Container](#)

[Refill the Alcohol Container \(login required\)](#)

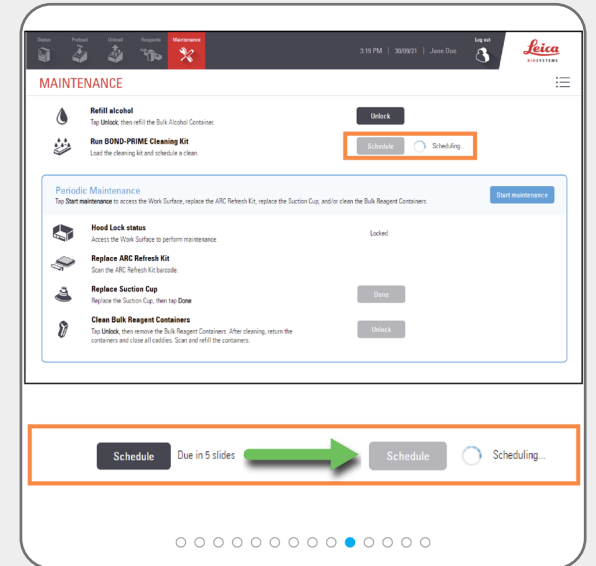
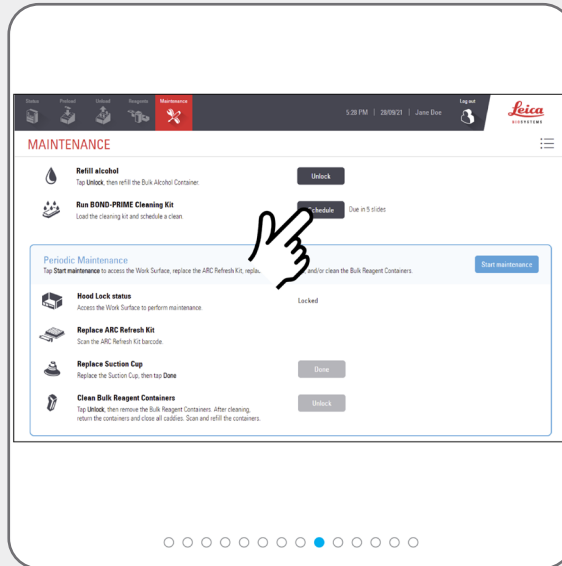
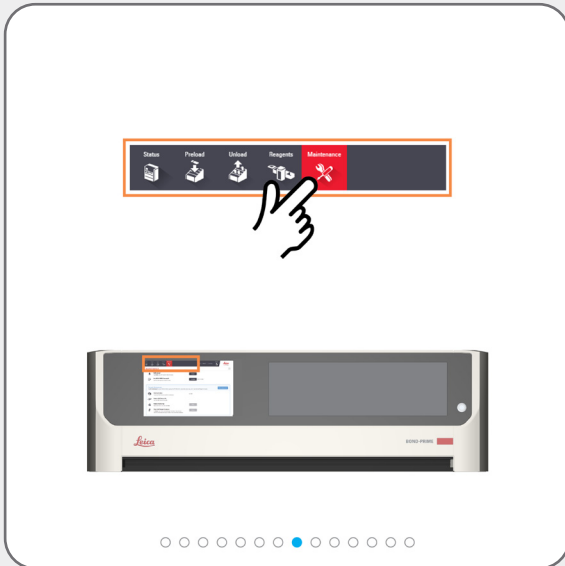
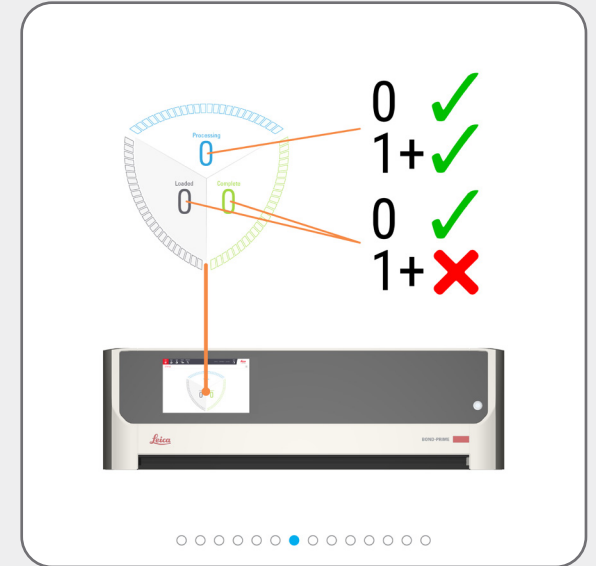
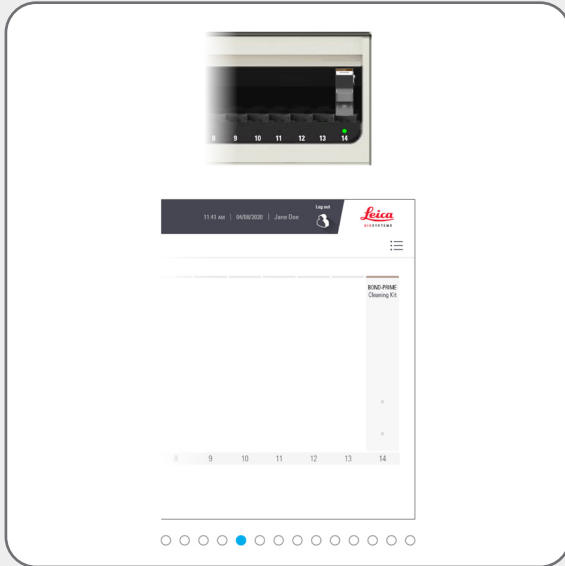
[Refill the Locked Reagent Containers \(login required\)](#)

[Empty the Waste Containers](#)



# Required cleaning tasks

Use the BOND-PRIME Cleaning Kit (login required)



# Required cleaning tasks

## Use the BOND-PRIME Cleaning Kit (login required)



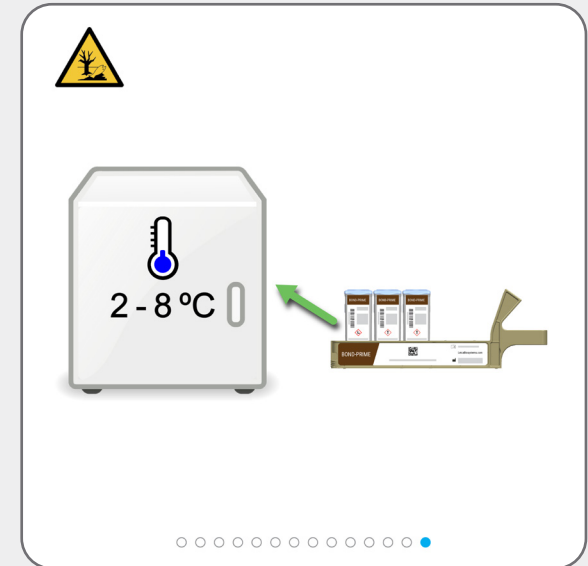
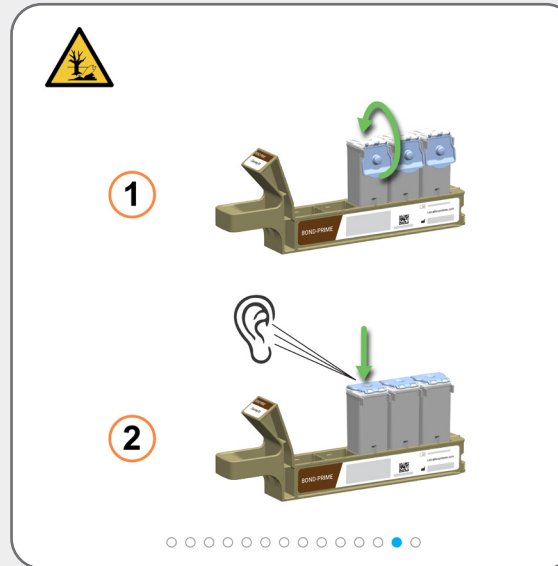
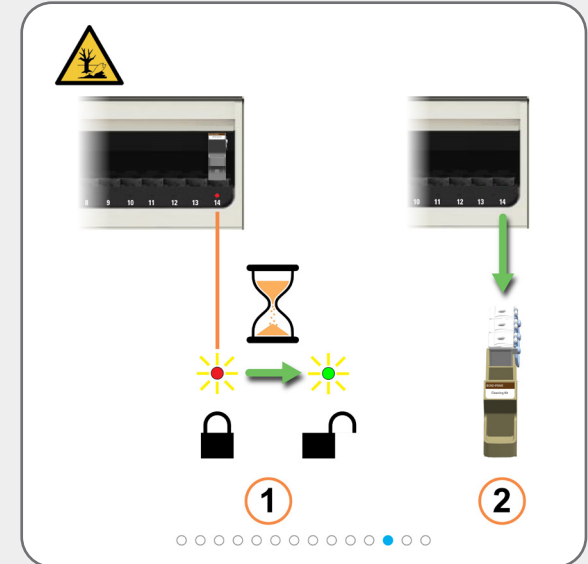
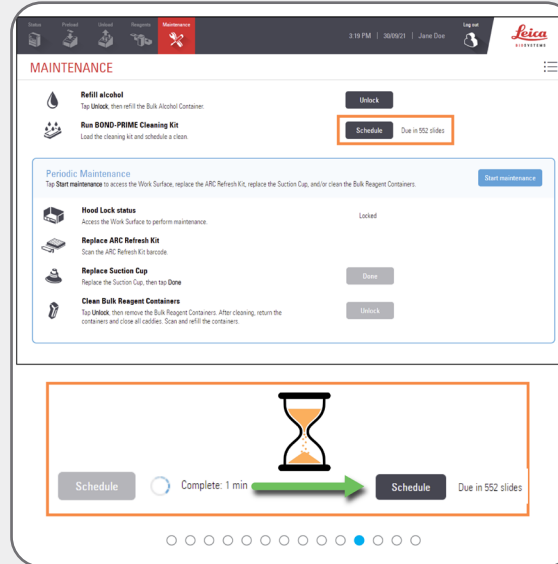
You can load new slides into the Preload Drawer after the **Schedule** button becomes inactive and the spinning wheel is visible.



The time in minutes for the cleaning process to finish is displayed.

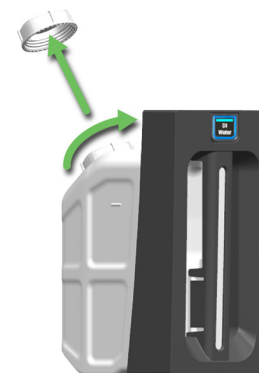
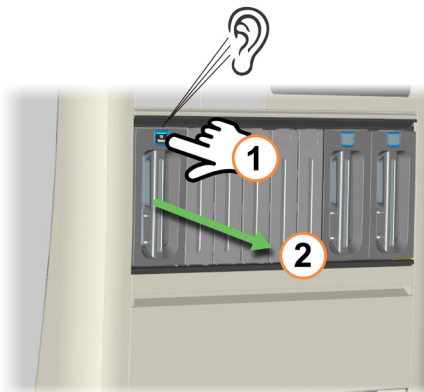
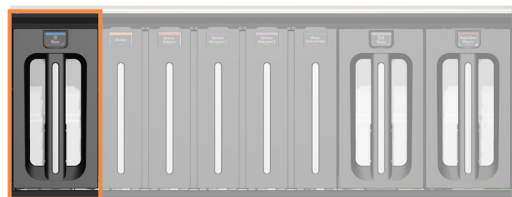


When the **Schedule** button returns to its active state, the cleaning process is complete:

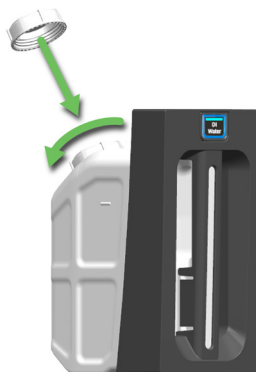


# Required maintenance tasks

## Refill the DI Water Container



Use both hands when you lift the Bulk DI Water Container.



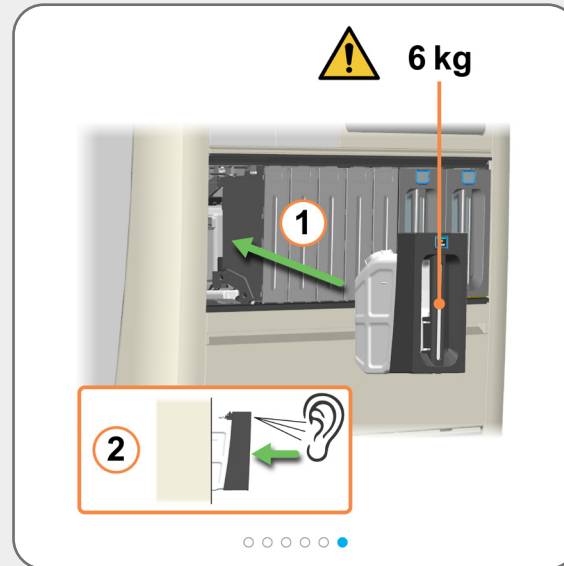


# Required maintenance tasks

## Refill the DI Water Container

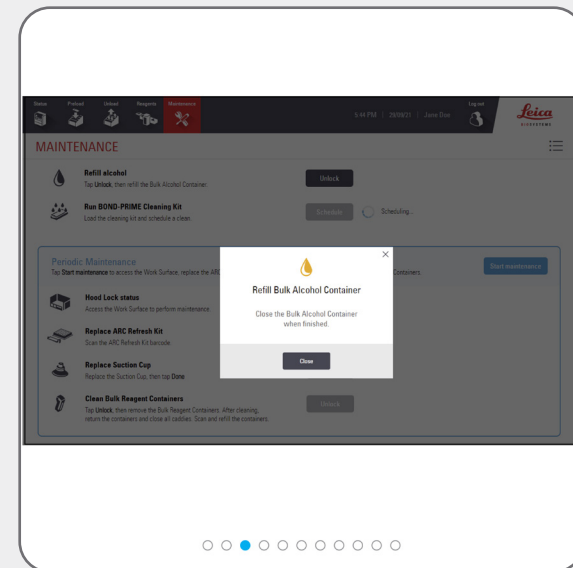
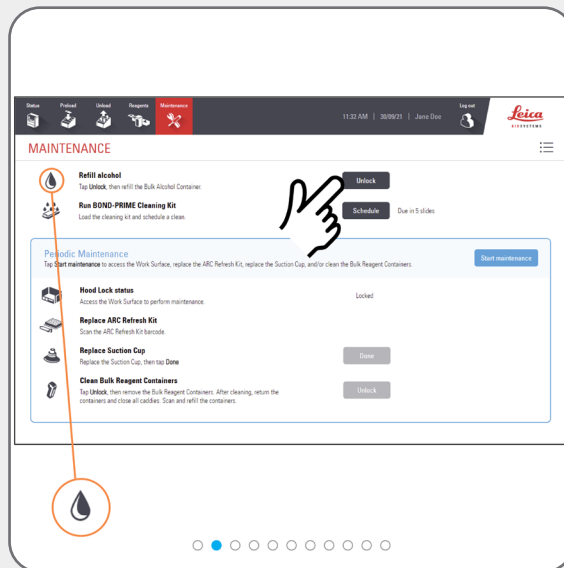
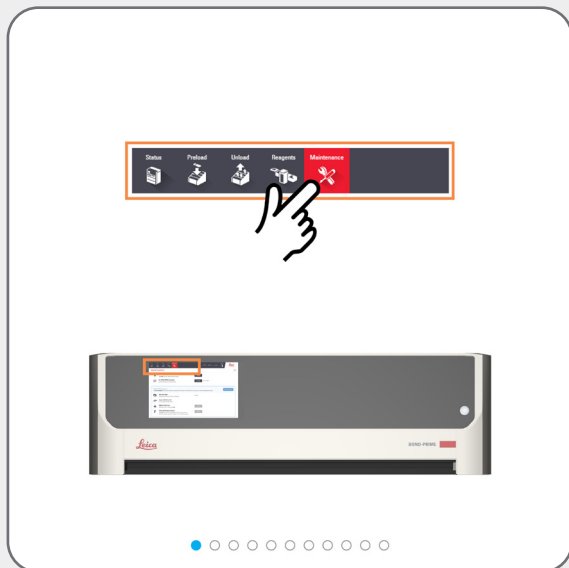


Ensure the Reagent Containers are fully inserted. Failure to do so can compromise staining quality. If you experience staining issues, remove and reinsert the Bulk Reagent Containers.

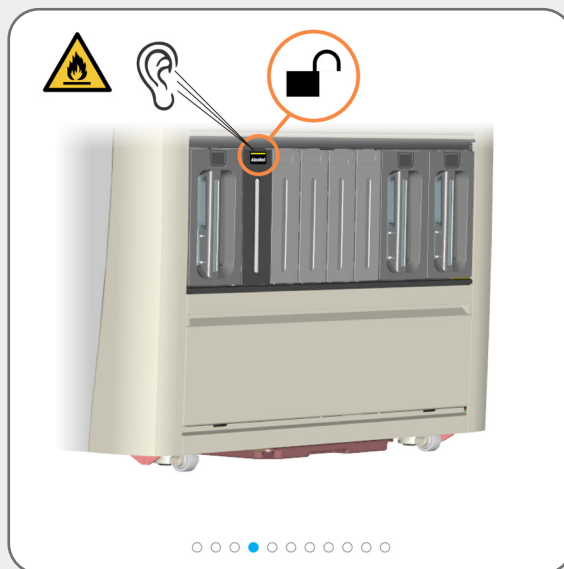


# Required maintenance tasks

## Refill the Alcohol Container (login required)

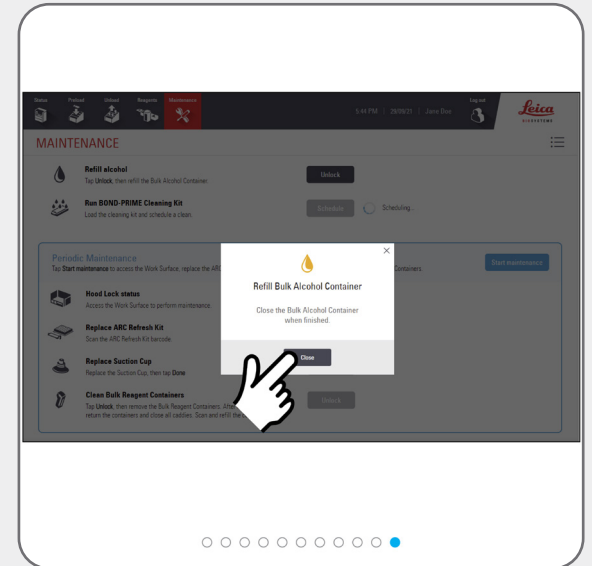
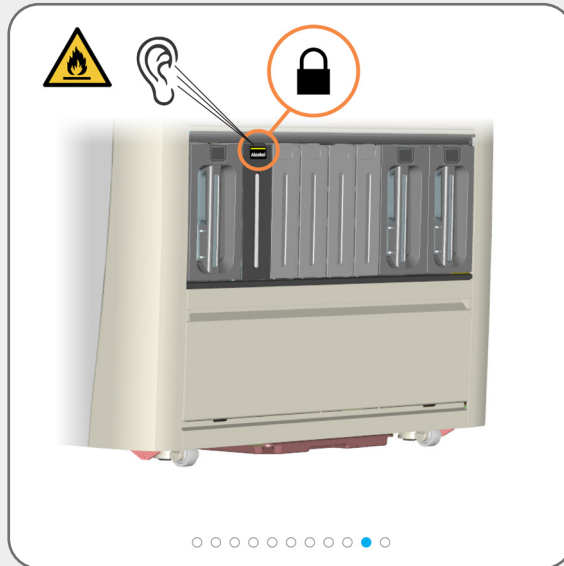
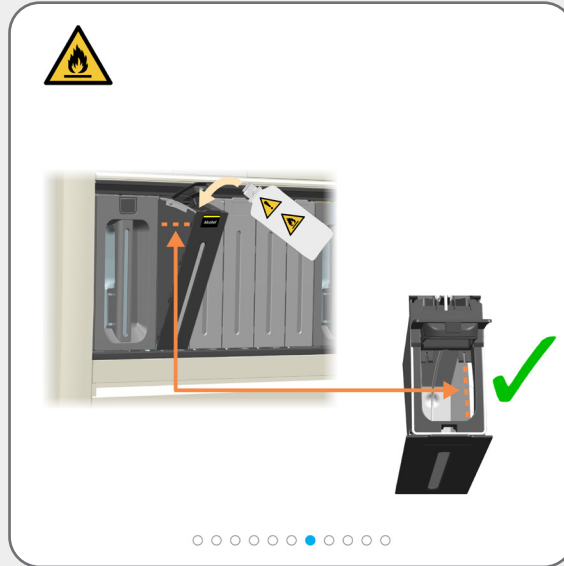


You will hear a click when the container unlocks. It will remain unlocked for only 30 seconds.



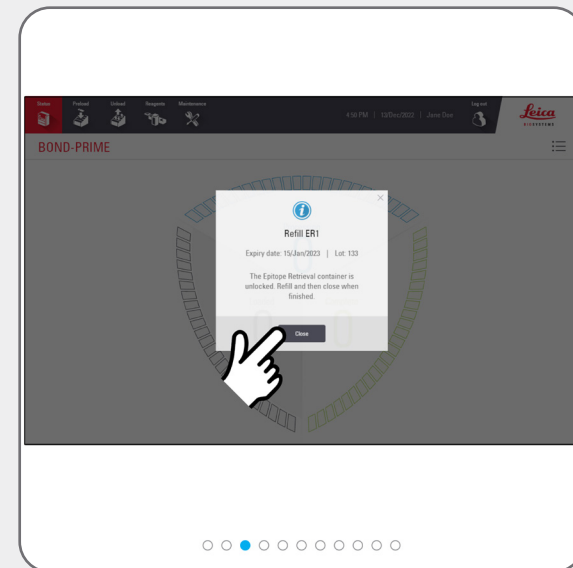
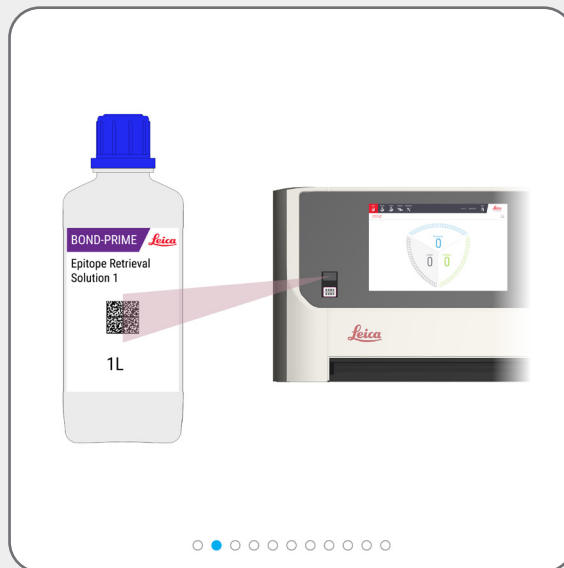
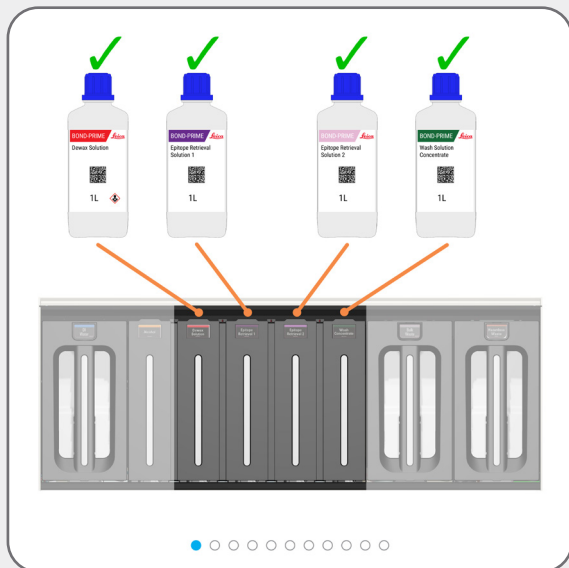
# Required maintenance tasks

## Refill the Alcohol Container (login required)



# Required maintenance tasks

## Refill the Locked Reagent Containers (login required)



You will hear a click when the container unlocks. It will remain unlocked for only 30 seconds.



To activate the laser, wave your hand in front of the scanner. You can also use the reflection of the bottle (on the hood) to position the laser over the 2D barcode on the bottle.



# Required maintenance tasks

## Refill the Locked Reagent Containers (login required)



# Required maintenance tasks

## Empty the Waste Containers



**WARNING:** You must wear the minimum required PPE before you maintain the processing module.

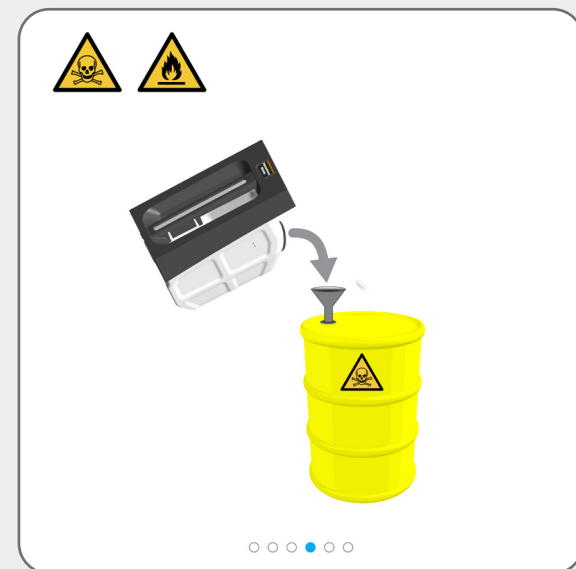
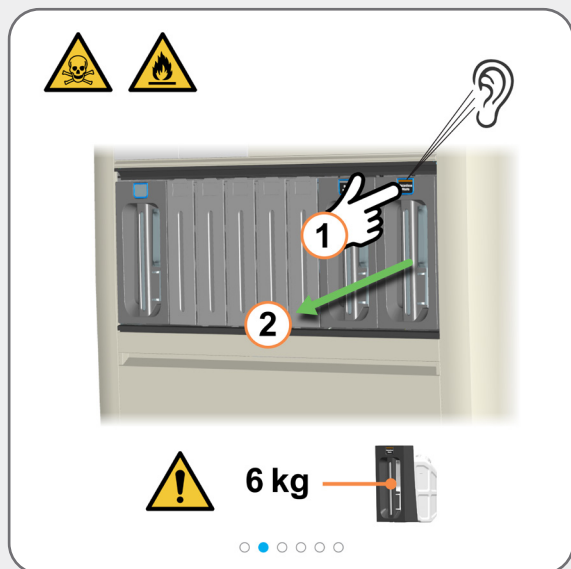
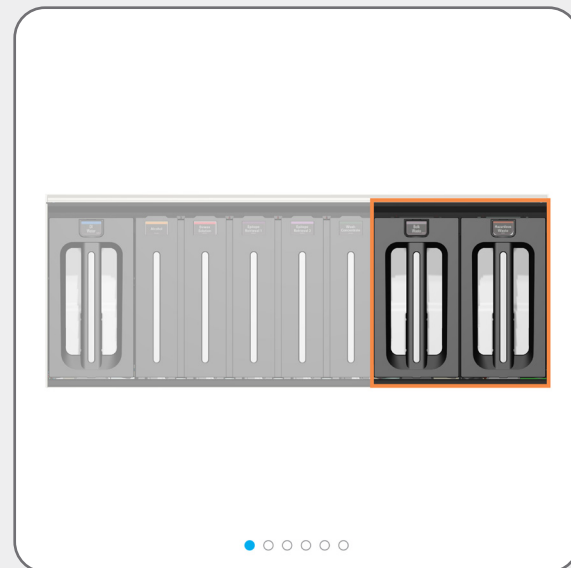


Hazardous waste example is shown.

Dispose of waste in accordance with all procedures and government regulations that apply at the laboratory site.

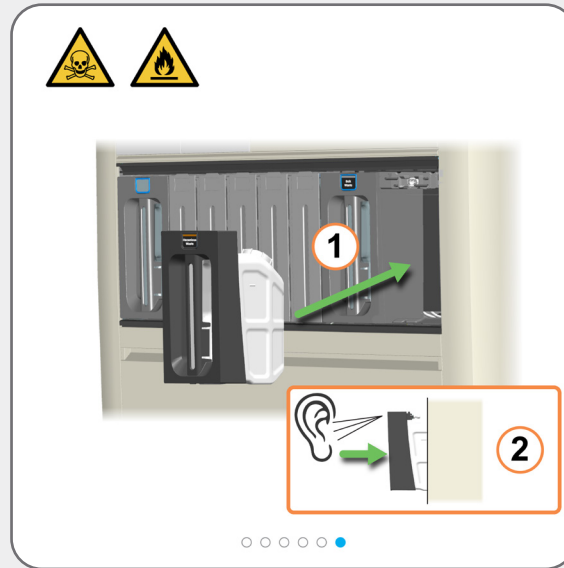


Use both hands when you lift the Bulk/Hazardous Waste containers.



# Required maintenance tasks

## Empty the Waste Containers



Empty and return the container quickly to ensure there is waste capacity.

Make sure the Waste Containers are fully inserted. Failure to do so can cause slides to be rejected in the Preload Drawer.

# Required maintenance tasks

## Use the BOND-PRIME ARC Refresh Kit



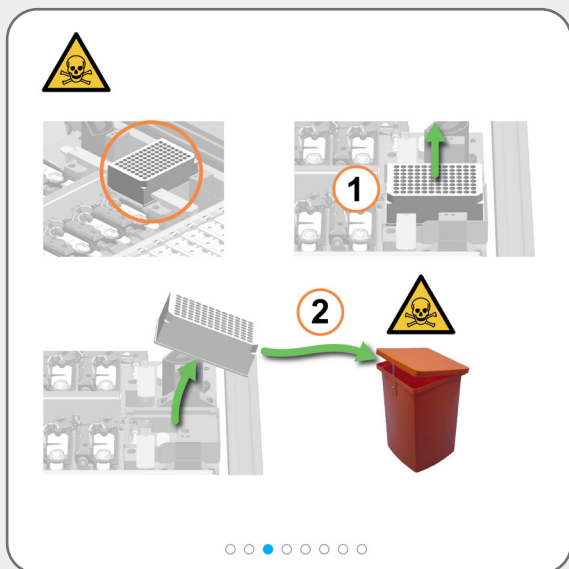
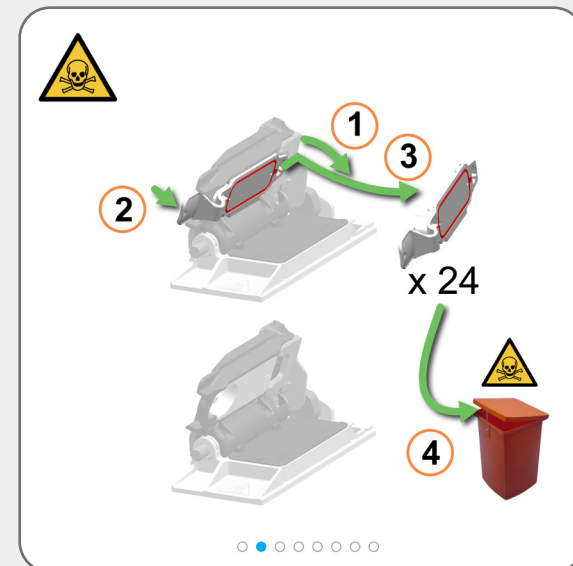
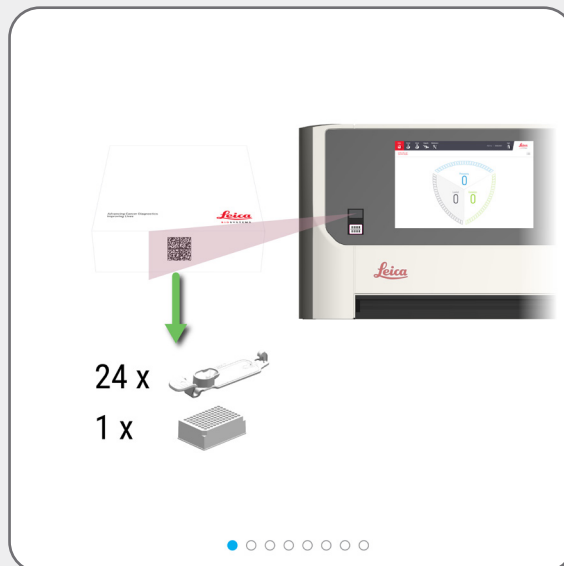
Start Maintenance ([login required](#)) to access the Work Surface and open the ARC Modules.



**WARNING:** You must wear the minimum required PPE before you maintain the processing module.



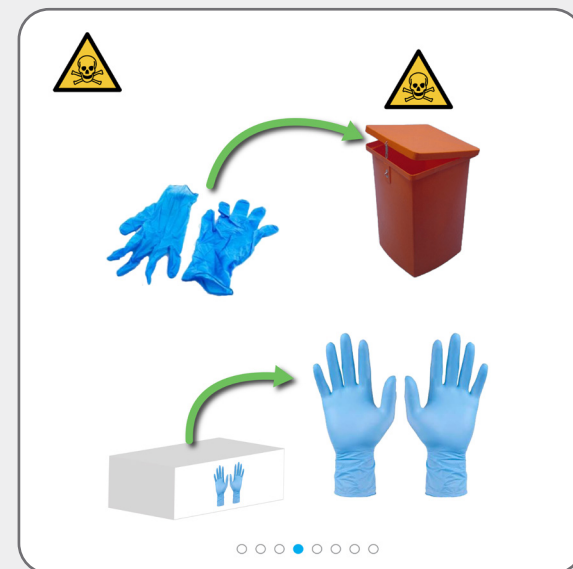
Do this task after every 7,500 slides or 8 months, whichever comes first.



Take care when removing and disposing of the Mixing Well Plate, to prevent liquid spillage.



The orientation of the Mixing Well Plate on the Mixing Block below is not important, however it must be seated correctly within the holder.





# Required maintenance tasks

## Use the BOND-PRIME ARC Refresh Kit



The processing module automatically closes the ARC Modules when you stop maintenance.



If you no longer require access to the Work Surface, close the Hood and then [Stop Maintenance \(login required\)](#).

# Required maintenance tasks

## Stop Maintenance (login required)



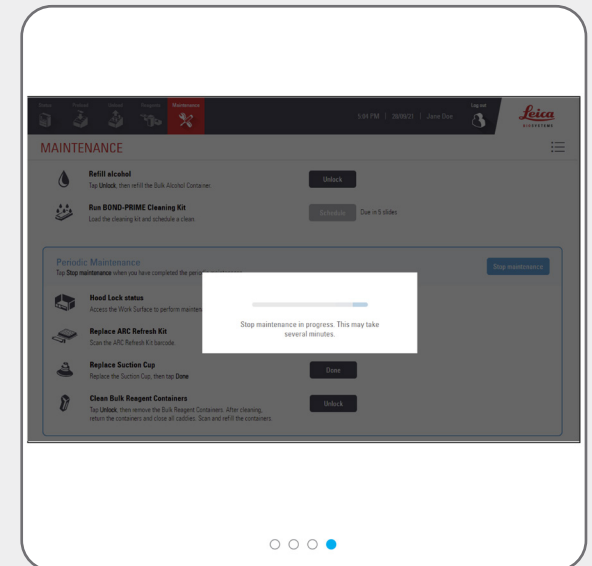
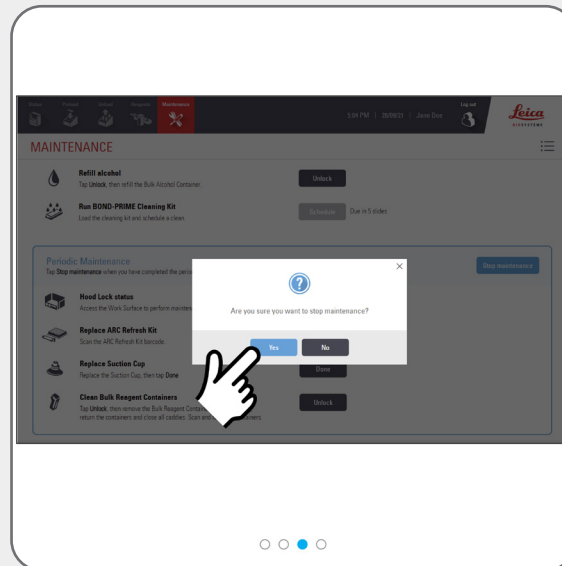
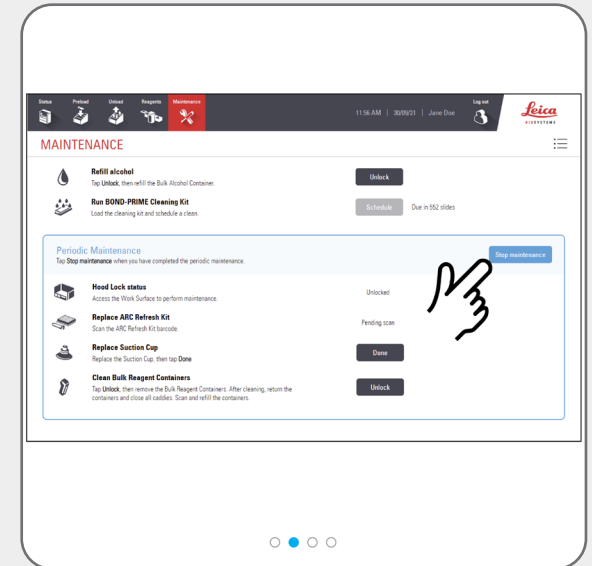
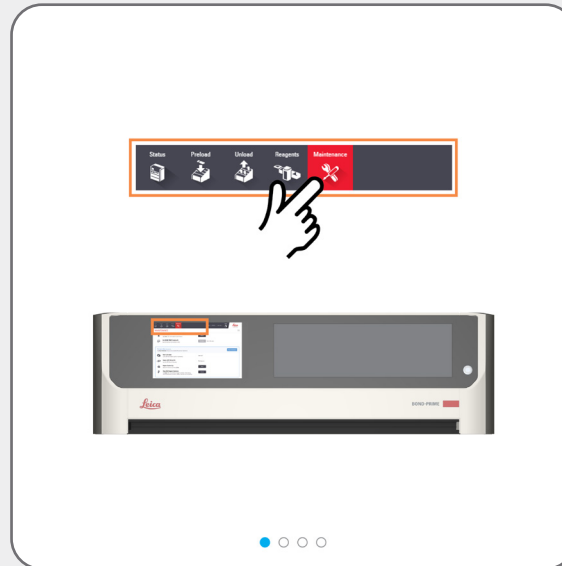
Before you Stop Maintenance, look at the Status screen.



Before you Stop Maintenance, ensure the Mixing Well Plate and Covertiles are in place, the Reagent Containers have sufficient volume, and the Hood is closed.



There is a wait time while the processing module is preparing to return to clinical operation.



# Shut down procedures

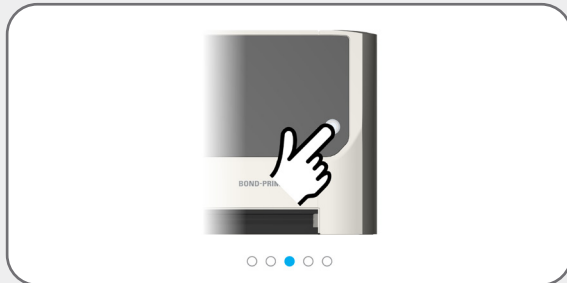
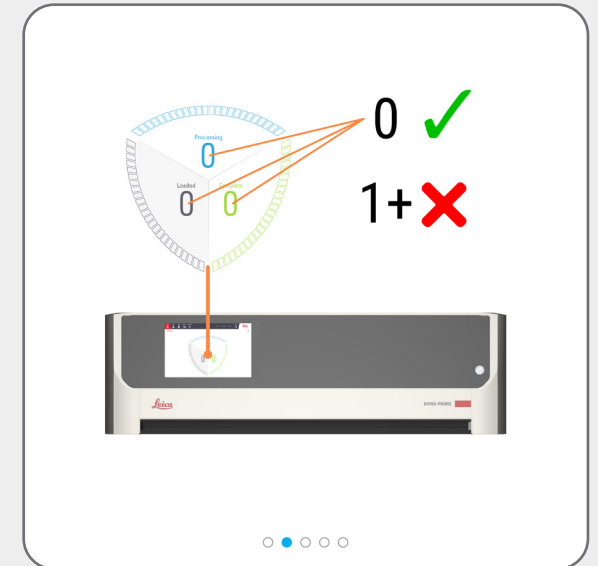
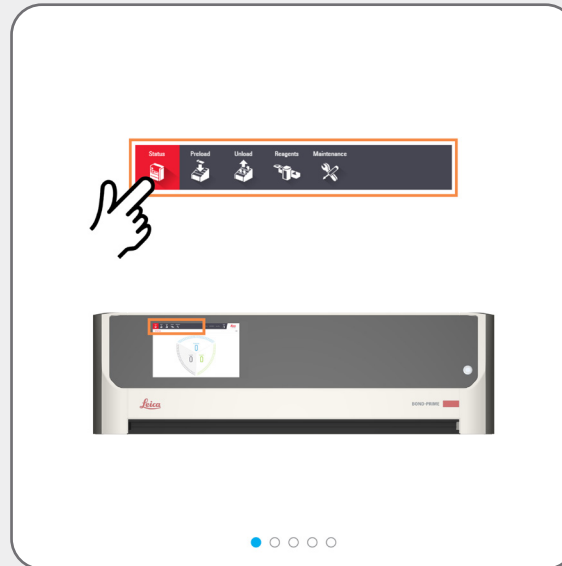
## Shut down the processing module (login required)



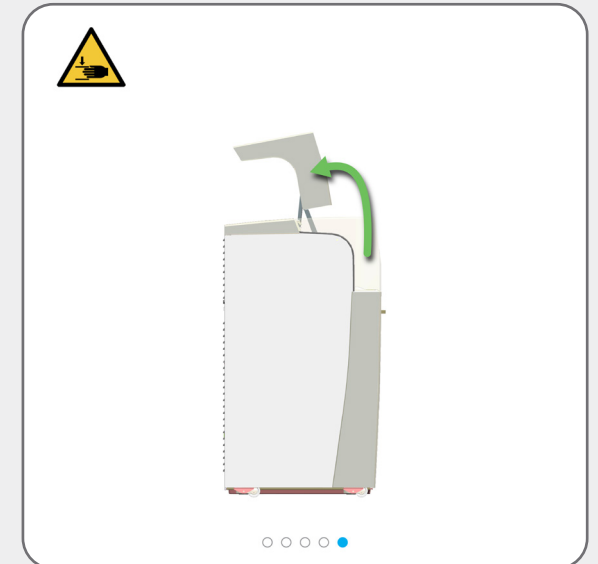
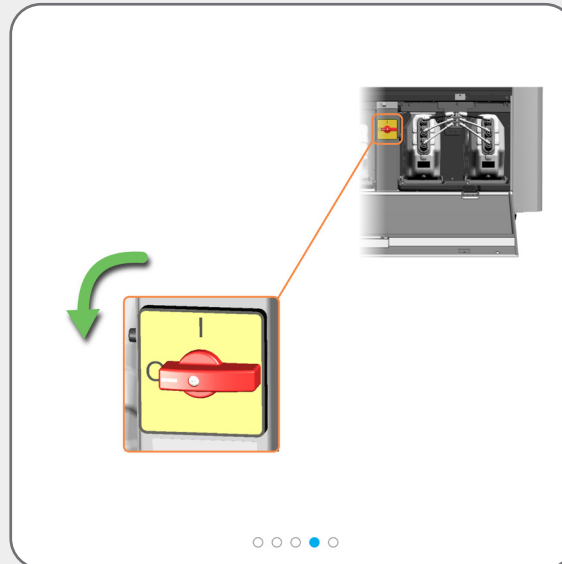
Shut down the processing module when power cycling (restarting).

Before you shut down the processing module, look at the Status screen.

Make sure that no slides are currently being processed, and that no slides are in the Preload and Unload Drawers.



If it is now safe to shut down the processing module, you will see an on-screen dialog to this effect.



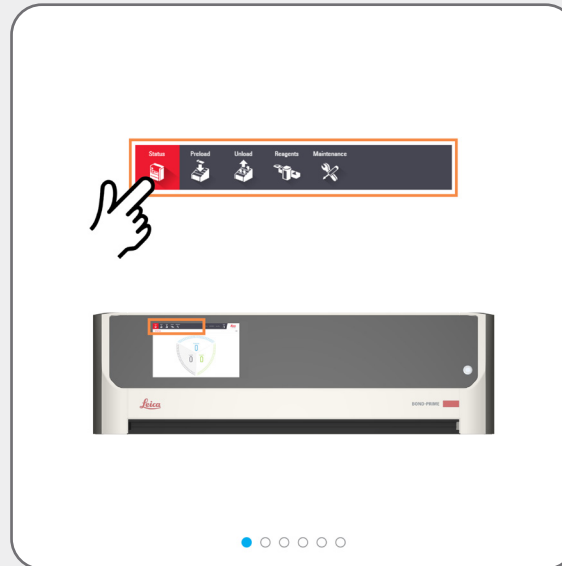
# Shut down procedures

## Disconnect the processing module (login required)



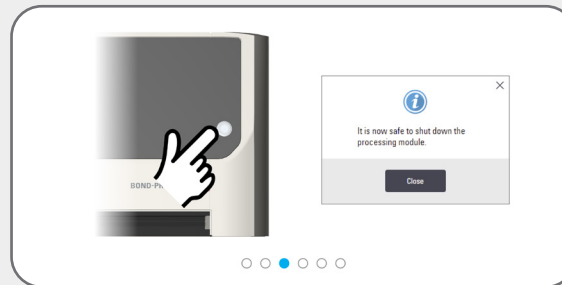
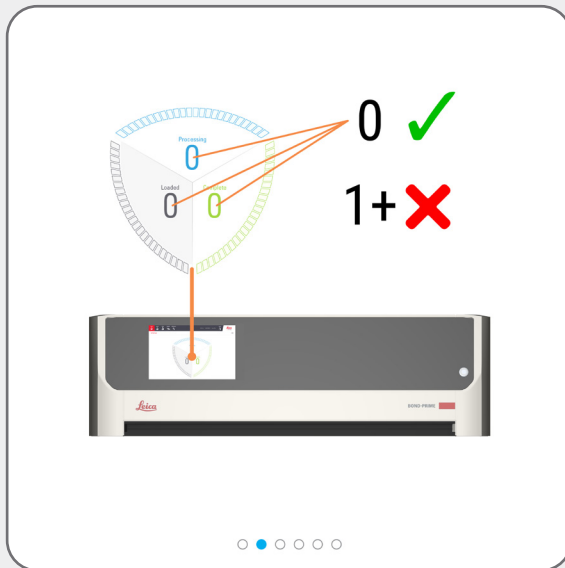
You must shut down and disconnect the processing module:

- » before moving the processing module to a new location
- » before decommissioning the processing module

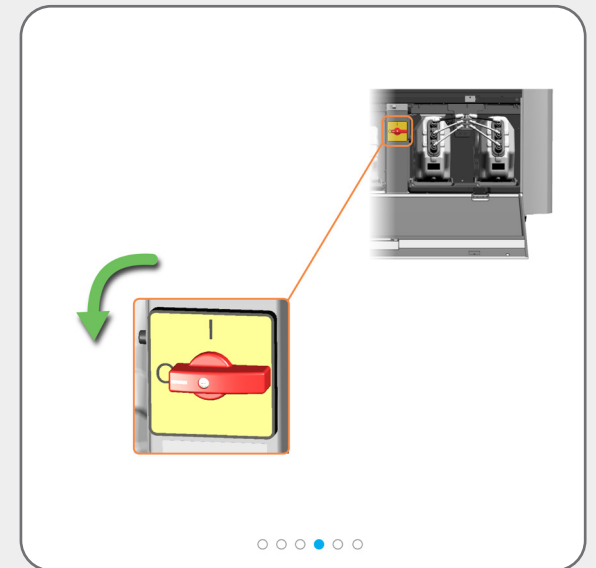


Before you shut down and disconnect the processing module, look at the Status screen.

Make sure that no slides are currently being processed, and that no slides are in the Preload and Unload Drawers.



If it is now safe to shut down the processing module, you will see an on-screen dialog to this effect.



# Shut down procedures

## Disconnect the processing module (login required)



You may need to move the processing module for better access to these rear-panel connectors.

