CONTAINER DEPOSIT SYSTEMS

CLEANING AND MAINTENANCE GUIDE

Version 1
July 2024

Automatically better

www.containerdepositsystems.com.au

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CUSTOMER SUPPORT

At Container Deposit Systems, we prioritise the experience of our partners. Our unwavering commitment to their success is reflected in our responsive and comprehensive Service Support. Whether our partners require remote assistance for troubleshooting, personalised training sessions, or the expertise of a field technician, we stand ready to provide the support they need. Our partners' seamless operation is our mission, and our Service Support team ensures that they have a trusted partner by their side every step of the way.

With our dedicated service support team, we boast unrivalled mechanical and technological problem-solving expertise. Committed to providing top-tier customer support, our in-house team ensures your needs are met from commissioning day to daily operations. We take pride in our relentless focus on excellence and deliver support 7 days a week.

Service Support

08 8166 2829

SAFETY

Important Safety Information

Before Operating Equipment

The depot owner/operator must review this safety information, and once installed; inspect, assess the machinery for hazards prior to operation.

> ***Note**: Further information on how to assess machinery (including an inspection checklist) can be found in the approved code of practice "Managing the risks of plant in the workplace" available online from the local WHS regulatory authority.*

Hazards Warning

This equipment is designed and manufactured by Container Deposit Systems (CDS) to the best available standards.

As a powered and automated plant this equipment uses the following:

- Electrical system (415 VAC)
- Compressed air system (90 PSI/620 kPa)
- Powered conveyor system
- Pneumatic ejectors
- Electronic automated control system

The potential hazards include:

- Electric shock and burns
- Hearing loss and damage
- Entanglement, crushing and friction injuries
- Eye damage from projectiles

To Ensure Safe Operation

This equipment is provided with the following safety components:

- Two emergency stop buttons to stop the conveyor.
- An electronic control system with integrated electronic fail-safe devices.
- Safety guards and sensors.
- Remote monitoring capability.
- Safe operating procedures.
- Operator training.
- General operating instructions (public).
- Hazard warning signs/stickers.

The depot owner/operator must:

- Assess this equipment for hazards in their worksite and implement measures to eliminate/minimise any risks to health and safety of workers and others.
- Ensure the machinery is only used for the purpose as described in this manual and the licence agreement.
- Ensure the equipment is supervised, operated, and maintained by trained personnel.
- Require workers to use the selected Personal Protective Equipment.
- Ensure safety guards and sensors are not removed, overridden, damaged or modified.
- Prevent public and unauthorised access to the rear (non-public) side of the machinery.
- Implement an 'Isolation and Lock out' process for accessing guarded areas.
- Inspect, maintain, clean, and repair the machinery in accordance with the instructions and precautions in this manual and the licence agreement.
- Prevent unauthorised modification or reconfiguration of the equipment.
- Comply with all other instructions and precautions in this manual and the licence agreement

ART Safe Operating Procedure (SOP)

DO NOT use this equipment unless you have been instructed in its safe use and operation and have been given permission

Personal Protective Equipment

When working on the ART the following PPE should be used:

Pre-operational Checks

- Wear the appropriate PPE.
- Ensure long hair is tied back.
- Ensure the workspaces and walkways have no slip/trip hazards present.
- Ensure the conveyors belts are clean and clear of foreign matter (broken glass, bottle caps, straws etc.)
- Ensure belts can rotate and are not glued to the conveyor bed. Syrup tends to build up in between the conveyor belt and the stainless-steel bed and can glue them together
- Clean off any visible stains and remove objects stuck to the ART conveyor belt surfaces.
- Ensure the conveyor belts are not damaged or worn
- Drain and clean the ART product tub
- Ensure the air supply is connected and pressurised
- Drain the airlines and water collection bowls. Failing to do so the ejections might be compromised and damage to the solenoid could occur
- Immediately clean up any spillages and use appropriate signage
- Ensure any external conveyors or collection boxes are clear and safe to operate
- Ensure the area has adequate lighting
- Never conduct any work, besides placement of containers, on conveyors and belts while belts are moving and without conducting your sites “Isolation and Lockout Procedure”.

Isolation and Lockout Procedure

- *WARNING - An authorised / Competent person must be in control of the Isolation and Lock Out Procedure as defined by the work health and safety regulations 2012, regulation 5.*

Isolation of the ART using the Lockout procedure must be carried out when mentioned throughout the Guide.
If more than one person is working on the ART, each person should attach their individual locks. A "multi-lock hasp" may be required.

Site should have its own Lock-on / Tag-Out procedure. Please follow your sites own Lock-On / Tag-Out procedure.

Step 1	Switch off power isolator (at front of ART machine, under the glass lane entry point), place lock onto the Isolator switch and secure.	
Step 2	Test switch to ensure ART machine will not turn on.	
Step 3	If air present: Isolate air at the red locking pneumatic shut-off valve, place lock on shut off valve.	

CLEANING AIDS/TOOLS

Cleaning a conveyor system efficiently is crucial for maintaining hygiene, operational efficiency, and extending the lifespan of the equipment. Here are the required cleaning aids and tools:

1. **Warm Soapy Water:** Multiple buckets of warm water will be required throughout the process (these are stated).
    - *Extra buckets on top of what's stated may be required if the buildup is particularly bad, and the bucket water becomes very dirty.*
    - only use warm (not boiling) soapy water when cleaning the conveyors.

2. **Multiple Non-Abrasive Cloth / Sponge:** A cleaning cloth is used to scrub clean the conveyor of syrup and residue build up. Once a cloth has become too dirty swap it for a cleaner one.

3. **Dilute Detergent Solution:** Use of appropriate cleaning detergents that are safe for conveyor materials are effective against the types of residues found on the conveyor. It is suggested to use the following or a comparable equivalent: 'Morning Fresh'
    - When using the dilute detergent solutions ensure that all residual cleaner is rinsed and removed after usage.
    - *Ensure to follow manufacturer's recommendations when using these products safely.*
    - *For stubborn stains, you may also used citrus-based spray such as De-Solve It, or Isopropyl Alcohol. Strong cleaners containing bleach/ammonia etc should not be used as they may damage the belts.*

4. **Clean Non-Abrasive Microfibre Cloth**: A separate clean non-abrasive microfibre cloth is used for cleaning the audit camera. If is vital this cloth is fresh and clean as to not scratch the camera.

5. **Scrapers and Brushes:** Heavy-duty scrapers and brushes, including those made from nylon or stainless steel, can help dislodge and remove buildup on conveyor beds.

6. **Grease**: When greasing the required components of each device ensure you are using a EP2 general purpose high temperature grease.

ART CLEANING AND MAINTENANCE

General maintenance is important to keep the ART in safe and working order. A maintenance check can lead to the identification of problems and the assessment of hazards to prevent injuries. The ART needs to be cleaned regularly to ensure the best performance and prevent unnecessary downtime.

Maintenance Schedules

Important:

- Any damage should be logged with CDS support on 08 8166 2829.
- A maintenance log of any work carried out should be kept and be updated by the person conducting the maintenance.
- A copy of the log with all maintenance history should be kept on site. This log may be called upon by CDS.

SECTION	DAILY	WEEKLY	MONTHLY	EVERY 3 MONTHS
Daily Clean	x			
Deep Clean		x		
Airlines	x			
Drive and bearings				x
Printer			x	

For printer cleaning see "Printer Maintenance".

Daily maintenance includes:

- ✓ A general visual inspection to ensure ART is working correctly. Any faults or concerns to be reported to CDS Support on 08 8166 2829.
- ✓ Clean the belts as specified on "Daily Cleaning Procedure".
- ✓ Draining the airlines and water collection bowls. Failing to do so the ejections might be compromised and damage to the solenoid could occur.

Weekly Maintenance includes:

- ✓ Perform a deep clean specified on "Deep Cleaning Procedure"

Monthly Maintenance includes:

- ✓ Cleaning of the printer specified on "Printer Maintenance"

Every three months:

- ✓ Grease drive end bearings following the instructions provided in Conveyor Mechanical Maintenance.

GEN 0

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

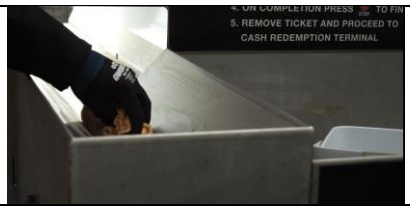
Step 1	Inspect the rear conveyor for syrup build up. *Note areas of syrup build up. It is important these are cleaned during the daily process, as to not allow it to set in overnight.*	

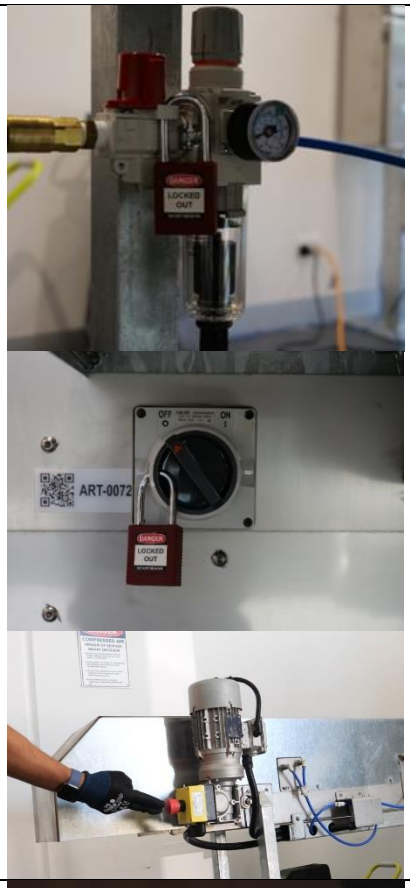
Important: Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

If build up is particularly bad perform a
'Deep Clean'.

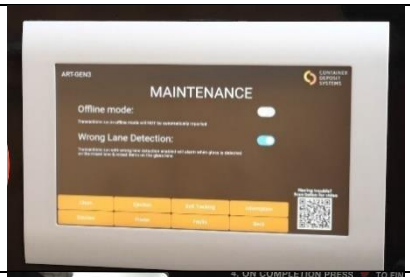
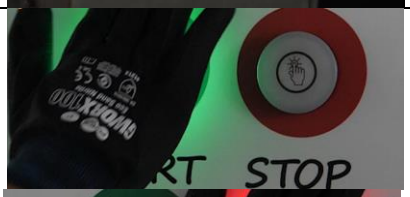
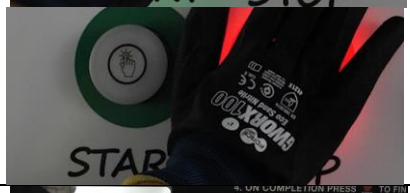
Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed. This step is complete when all syrup is removed, and only water remains.	

Step 2	Disengage the rear E-stop, and remove the lock and tag.	
Step 3	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ **DO NOT wipe the belt while the belt is moving, this is a safety concern.**	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If machine is going to be used directly after clean, dry the belts.	

Deep Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build up. *Note areas of syrup build up. It is important these are cleaned, as to not allow it to set in overnight.*	

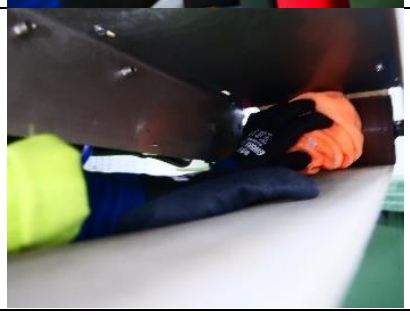
Pre-Wash

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended **dilute detergent solution** soak the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the solution sit for a few minutes to break down residues.	

Rear Roller

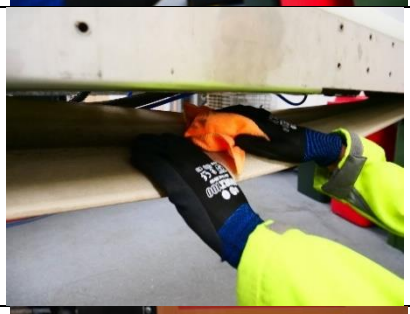
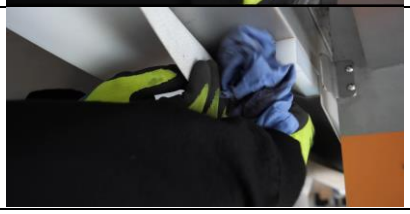
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.	

Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

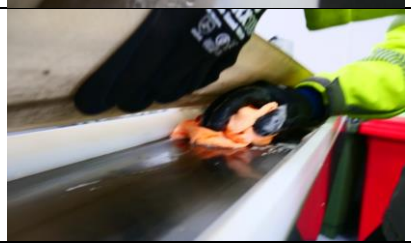
UNDERSIDE OF BELT

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine and stick your hand between the belt and the conveyor.	
Step 2	Clean the visible underside of the belt until all **residue** buildup has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Clean the visible underside of the belt until all residues build up has been removed.	
Step 5	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

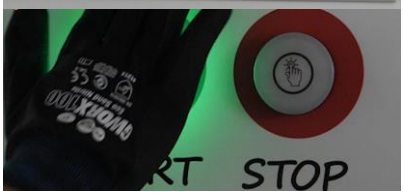
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup **buildup**, soak the area in warm water using a rag until the syrup has dissolved. *A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.*	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

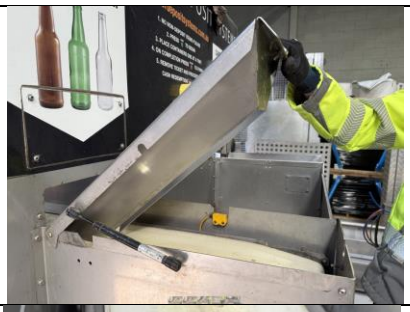
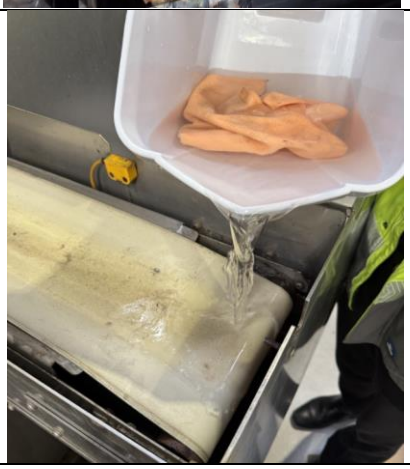
RINSE THE CONVEYOR

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

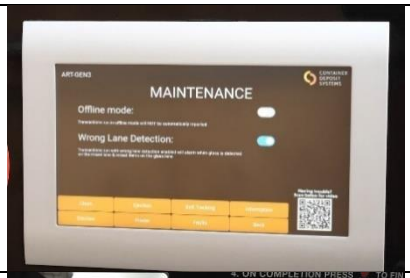
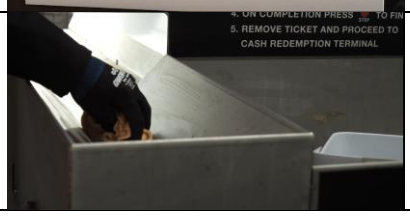
Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the 'Inspection' step is removed. This step is complete when all syrup is removed, and only water remains.	

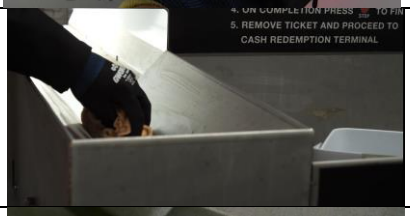
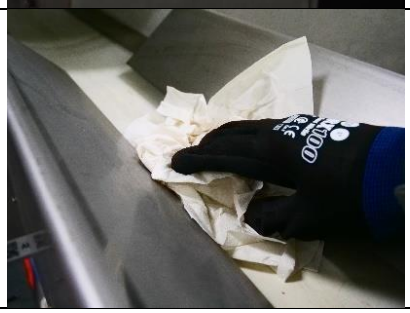
Step 2	Disengage the rear E-stop, and remove lock and tag.	  
Step 3	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	  

FRONT ROLLER

Step 1	Open the front guards by lifting them up.	
Step 2	Soak the front roller by placing a warm water-soaked cloth on the top of the belt above the roller. *It is vital to soak the area to dislodge and dissolve any built-up syrup.*	
Step 3	Once the syrup has been dislodged, rinse out the front roller.	

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ **DO NOT wipe the belt while the belt is moving, this is a safety concern.**	

Step 3	Press ‘Start’ to move the belt to an uncleaned section, then press ‘Stop’ to stop the belts.	
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine is going to be used directly after clean, dry the belts.	

GEN 1

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build up. *Note areas of syrup build up. These must be cleaned during the daily process, and not allow it to set in overnight.*	

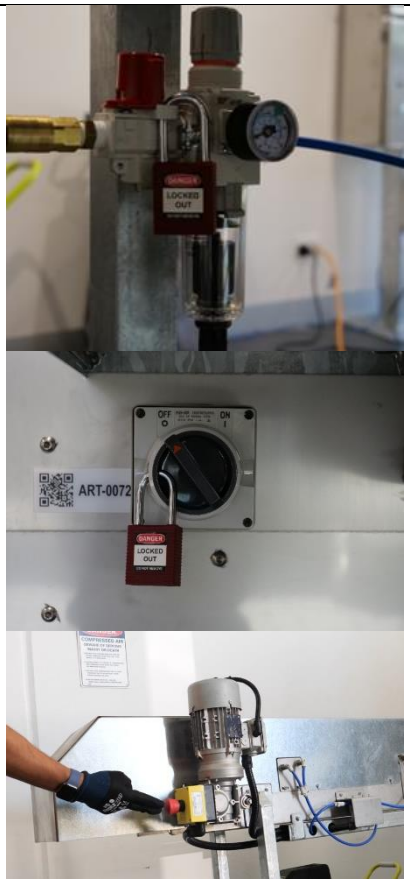
Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

If build up is particularly bad perform a
'Deep Clean'.

Rinse the Conveyor

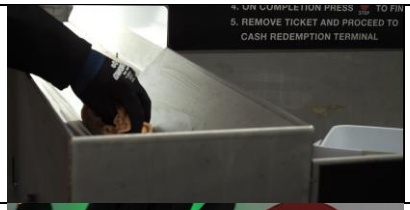
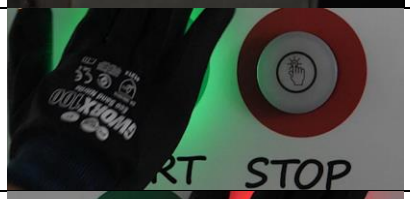
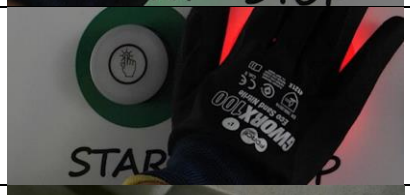
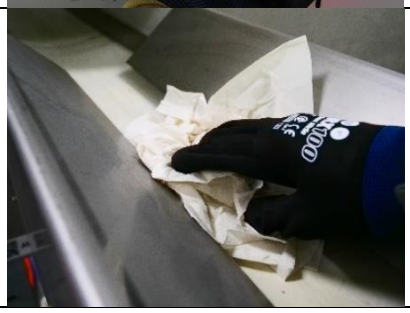
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed. This step is complete when all syrup is removed, and only water remains.	

Step 2	Disengaged the rear E-stop, and remove lock and tag.	
Step 3	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	

Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. DO NOT wipe the belt while the belts moving, this is a safety concern.	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If machine is going to be used directly after clean, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build up. *Note areas of syrup build up. It is important these are cleaned, as to not allow it to set in overnight.*	

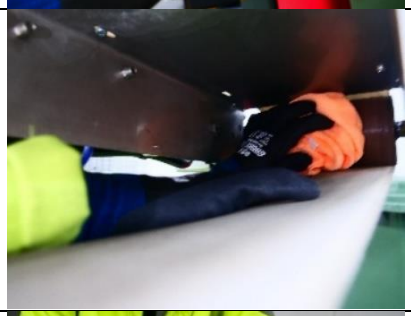
PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended dilute detergent solution soak the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

REAR ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

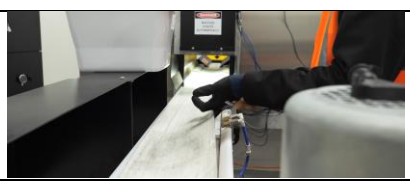
UNDERSIDE OF BELT

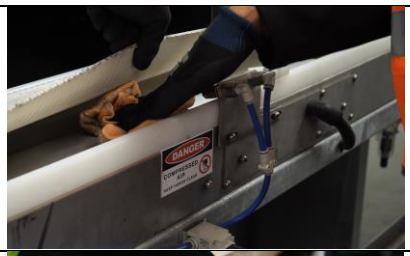
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine and stick your hand between the belt and the conveyor.	
Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Clean the visible underside of the belt until all residue build-up has been removed.	
Step 5	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

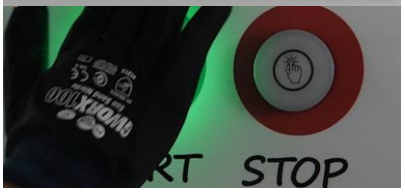
Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	

Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. *A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.*	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

RINSE THE CONVEYOR

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

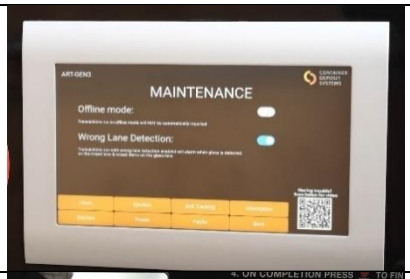
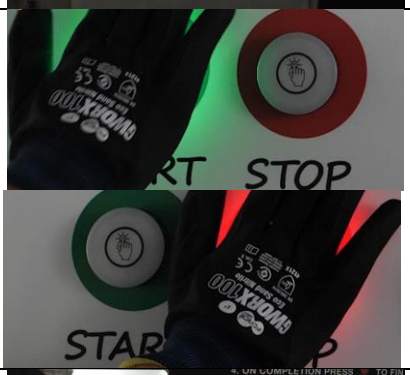
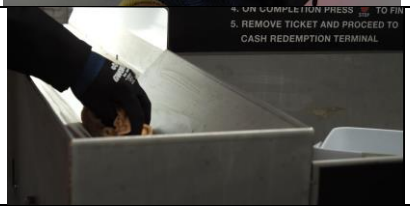
Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the 'Inspection' step is removed. This step is complete when all syrup is removed, and only water remains.	

Step 2	Disengaged the rear E-stop, and remove lock and tag.	  
Step 3	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	  

FRONT ROLLER

Step 1	Soak the front roller by placing a warm water-soaked cloth on the top of the belt above the roller. *It is vital to soak the area to dislodge and dissolve any built-up syrup.*	
Step 2	Once the syrup has been dislodged, rinse out the front roller.	

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ **DO NOT wipe the belt while the belt is moving, this is a safety concern.**	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	

Step 5	If machine is going to be used directly after clean, dry the belts.	

GEN 2

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, so as to not allow it to set in overnight.*	

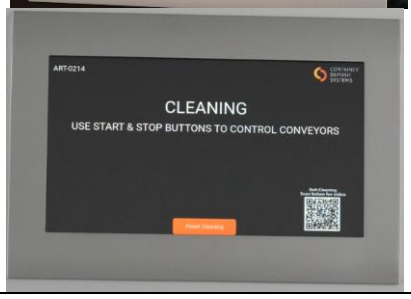
Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

If build-up is particularly bad perform a
'Deep Clean'.

Rinse the Conveyor

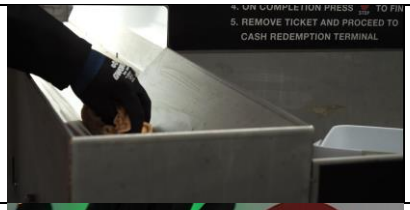
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed. This step is complete when all syrup is removed, and only water remains.	

Step 2	Disengage the rear E-stop, and remove lock and tag.	  
Step 3	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	 

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	

Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ **DO NOT wipe the belt while the belt is moving, this is a safety concern.**	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine is going to be used directly after clean, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build up. *Note areas of syrup build-up. These must be cleaned so as not to allow it to set in overnight.*	

PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended dilute detergent solution soak the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

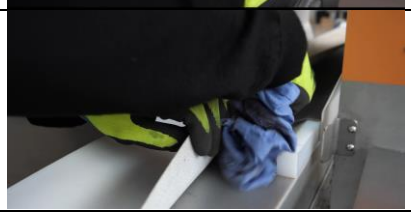
REAR ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

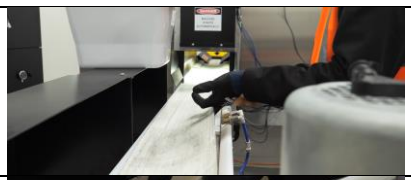
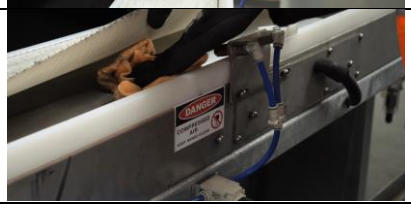
Underside of Belt

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Go to the rear of the machine and stick your hand between the belt and the conveyor.	
Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Clean the visible underside of the belt until all residues build up has been removed.	
Step 5	Repeat steps 1-4 until the entire underside is cleaned.	

Conveyor Bed

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

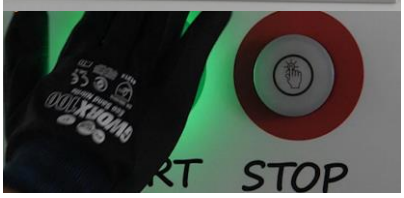
Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	

Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

RINSE THE CONVEYOR

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

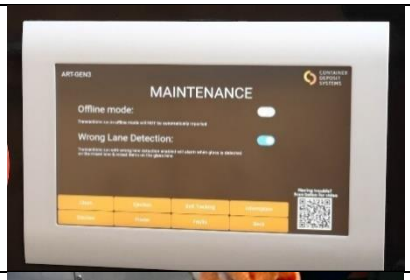
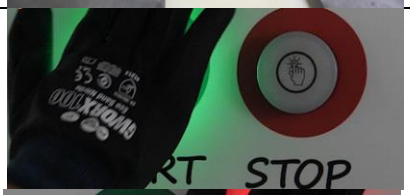
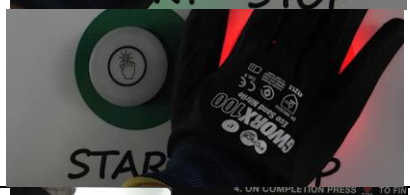
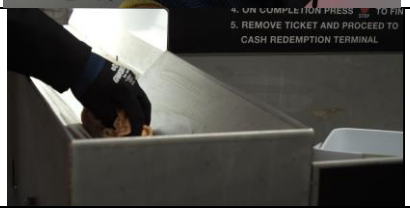
Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the 'Inspection' step is removed. This step is complete when all syrup is removed, and only water remains.	
Step 2	Disengaged the rear E-stop, and remove lock and tag.	 

		
Step 3	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	  

FRONT ROLLER

Step 1	Soak the front roller by placing a warm water-soaked cloth on the top of the belt above the roller. *It is vital to soak the area to dislodge and dissolve any built-up syrup.*	
Step 2	Once the syrup has been dislodged, rinse out the front roller.	

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ DO NOT wipe the belt while the belt is moving, this is a safety concern.	
Step 3	Press ‘Start’ to move the belt to an uncleaned section, then press ‘Stop’ to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	

GEN 2.5

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

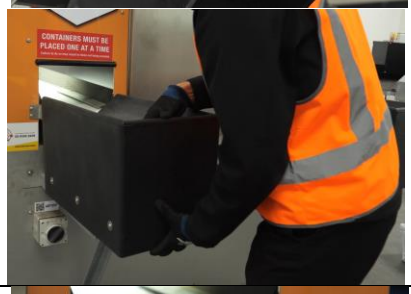
Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.*	

Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

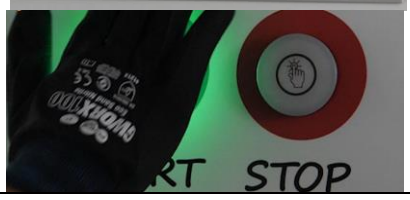
If the build-up is particularly bad perform a
'Deep Clean'.

Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Unlatch and remove the front guard of each lane.	 
Step 2	Unlatch the conveyor allowing you to de-tension the belt.	

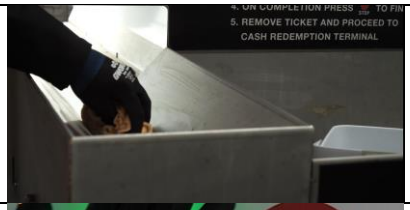
Step 3	Lift the unlatched conveyor allowing easy access to the rear conveyor. *For more detailed instructions to remove the guard, refer to Guard Removal Process Gen 3.*	
Step 4	Using warm water and a cloth, scrub the entire conveyor of the machine, ensuring the syrup found in the Inspection step is removed.	 
Step 5	This step is complete when all syrup is removed, and only water remains.	
Step 6	Latch the conveyor back together and place the front guards back onto the machine.	  

Step 7	Disengaged the rear E-stop and remove lock and tag..	  
Step 8	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	 

If machine is going to be used directly after clean, dry the belts.

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	

Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ **DO NOT wipe the belt while the belt is moving, this is a safety concern.**	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.	

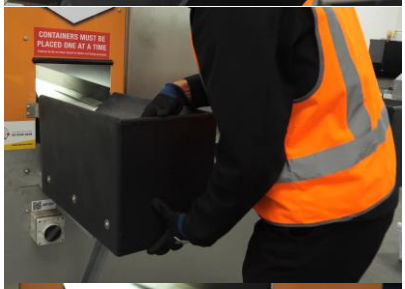
PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended commercial-grade cleaner lightly spray the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

FRONT ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Remove the front guards. • Unlatch and remove the front guard of each lane. • Unlatch the conveyor allowing you to de-tension the belt. • Lift up the unlatched conveyor allowing easy access to the roller. *For more detailed instructions see "Guard Procedure – Removal"*	   

Step 2	Soak the front roller by placing a warm water-soaked cloth.	
Step 3	Continue to wipe the roller until all residue is removed.	

REAR ROLLER

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.

UNDERSIDE OF BELT

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine and stick your hand between the belt and the conveyor.	
Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Clean the visible underside of the belt until all residues build up has been removed.	
Step 5	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

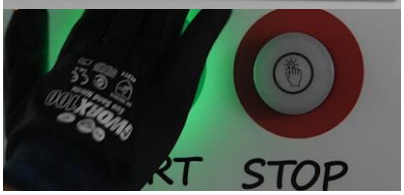
Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	

Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

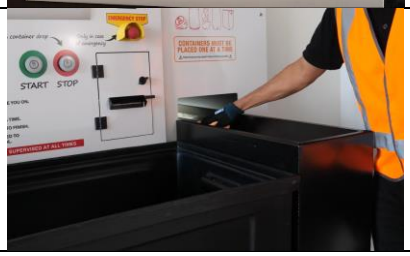
RINSE THE CONVEYOR

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed.	
Step 2	This step is complete when all syrup is removed, and only water remains.	
Step 3	Disengaged the rear E-stop, and remove lock and tag and re attach the guards. *For more detailed instructions see "Guard Procedure – Re-Assembly"*	 

		
Step 4	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	  

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ***DO NOT wipe the belt while the belts moving, this is a safety concern.***	

Step 3	Press ‘Start’ to move the belt to an uncleaned section, then press ‘Stop’ to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If machine is going to be used directly after clean, dry the belts.	

GEN 3

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

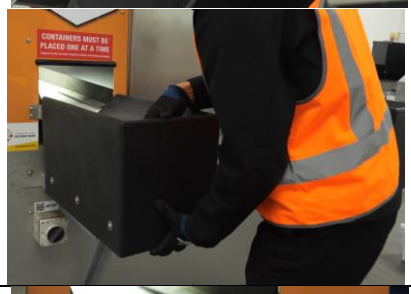
Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.*	

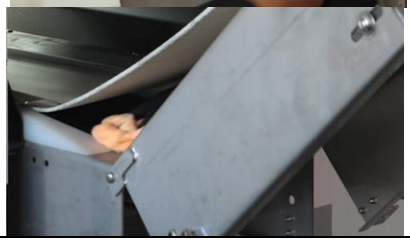
Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

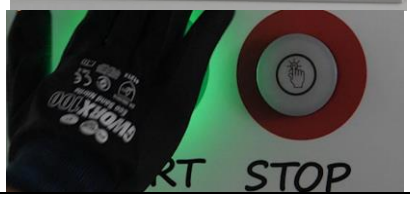
If the build-up is particularly bad perform a
'**Deep Clean**'.

Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Unlatch and remove the front guard of each lane.	 
Step 2	Unlatch the conveyor allowing you to de-tension the belt.	

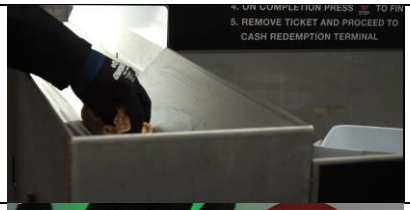
Step 3	Lift the unlatched conveyor allowing easy access to the rear conveyor. *For more detailed instructions to remove the guard, refer to Guard Removal Process Gen 3.*	
Step 4	Using warm water and a cloth, scrub the entire conveyor of the machine, ensuring the syrup found in the Inspection step is removed.	 
Step 5	This step is complete when all syrup is removed, and only water remains.	
Step 6	Latch the conveyor back together and place the front guards back onto the machine.	  

Step 7	Disengaged the rear E-stop and remove lock and tag..	  
Step 8	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	 

If machine is going to be used directly after clean, dry the belts.

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	

Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ⚠ **DO NOT wipe the belt while the belt is moving, this is a safety concern.**	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.	

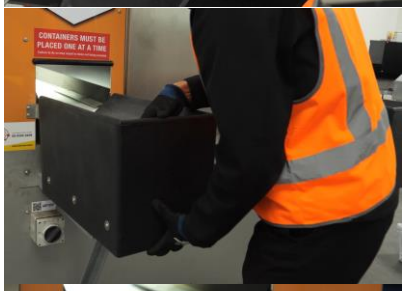
PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended commercial-grade cleaner lightly spray the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

FRONT ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Remove the front guards. • Unlatch and remove the front guard of each lane. • Unlatch the conveyor allowing you to de-tension the belt. • Lift up the unlatched conveyor allowing easy access to the roller. *For more detailed instructions see "Guard Procedure – Removal"*	   

		
Step 2	Soak the front roller by placing a warm water-soaked cloth.	
Step 3	Continue to wipe the roller until all residue is removed.	

REAR ROLLER

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.

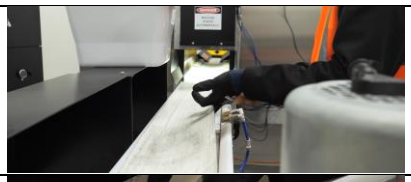
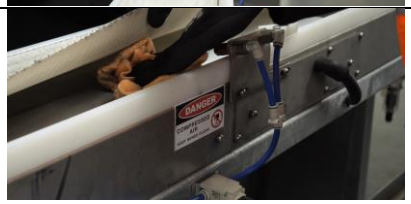
Underside of Belt

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine and stick your hand between the belt and the conveyor.	
Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Clean the visible underside of the belt until all residues build up has been removed.	
Step 5	Repeat steps 1-4 until the entire underside is cleaned.	

Conveyor Bed

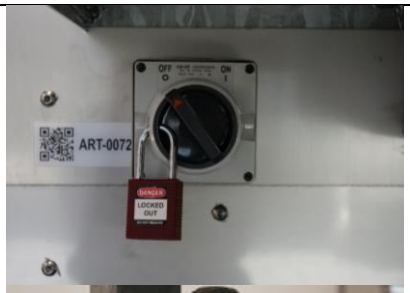
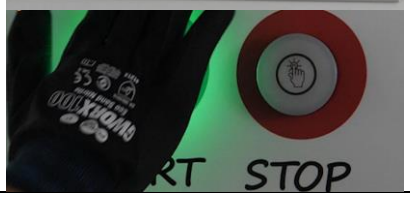
Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

RINSE THE CONVEYOR

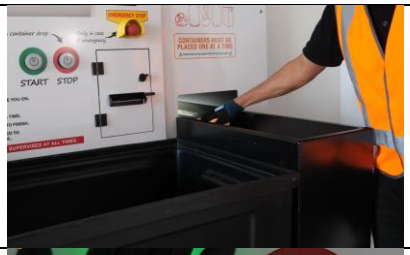
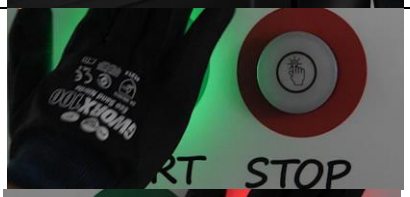
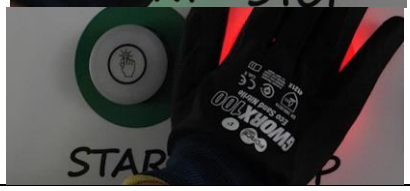
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**
Guards still removed

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed.	
Step 2	This step is complete when all syrup is removed, and only water remains.	
Step 3	Disengaged the rear E-stop, and remove lock and tag and re attach the guards. *For more detailed instructions see "Guard Procedure – Re-Assembly"*	

		 
Step 4	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	  

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	

Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ***DO NOT wipe the belt while the belts moving, this is a safety concern.***	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If machine is going to be used directly after clean, dry the belts.	

GEN 4

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.*	

Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

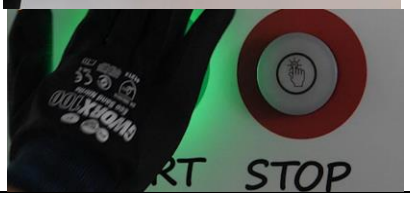
If build-up is particularly bad perform a
'**Deep Clean**'.

Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

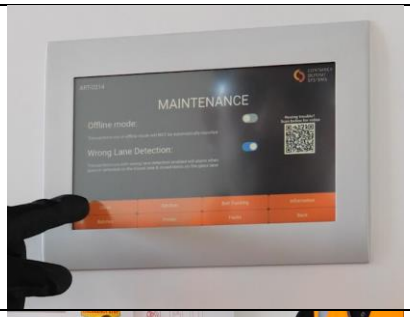
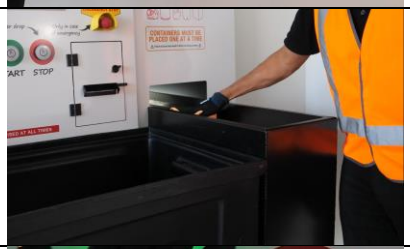
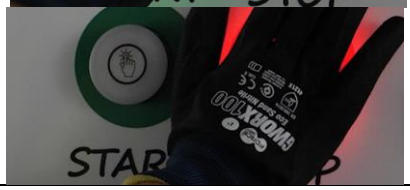
Step 1	Unlatch and remove the front guard of each lane.	 
Step 2	Unlatch the conveyor allowing you to de-tension the belt.	

Step 3	Lift the unlatch conveyor up allowing easy to the rear conveyor. *For more detailed instructions to remove guard, refer to Guard Removal Process Gen 3.*	
Step 4	Using warm water and a cloth, scrub the entire conveyor of the machine, ensuring the syrup found in the Inspection step is removed.	
Step 5	This step is complete when all syrup is removed, and only water remains.	
Step 6	Latch the conveyor back together and place the front guards back onto the machine.	 
Step 7	Disengage the rear E-stop, and remove lock and tag.	 

		
Step 8	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	 

If the machine will be used directly after cleaning, dry the belts.

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. *DO NOT wipe the belt while the belts moving, this is a safety concern.*	
Step 3	Press ‘Start’ to move the belt to an uncleaned section, then press ‘Stop’ to stop the belts.	 

Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.	

PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended commercial-grade cleaner lightly spray the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

FRONT ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Remove the front guards. • Unlatch and remove the front guard of each lane. • Unlatch the conveyor allowing you to de-tension the belt. • Lift the unlatch conveyor up allowing easy access to the roller. *For more detailed instructions see "Guard Procedure – Removal"*	   
Step 2	Soak the front roller by placing a warm water-soaked cloth.	
Step 3	Continue to wipe the roller until all residue is removed.	

Rear Roller

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.

Underside of Belt

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

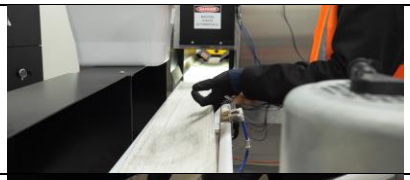
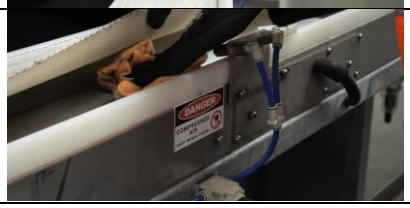
Step 1	Go to the rear of the machine and lift the de-tensioned belt.	

Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Guards still removed

Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. *A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.*	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

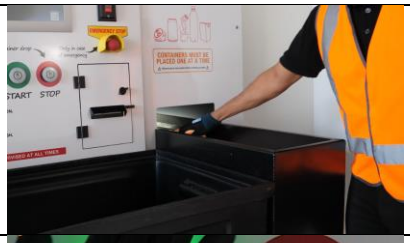
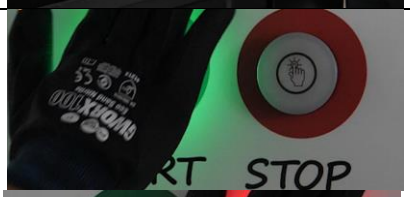
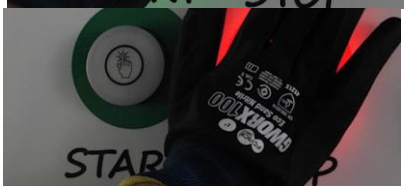
RINSE THE CONVEYOR

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed.	
Step 2	This step is complete when all syrup is removed, and only water remains.	
Step 3	Disengage the rear E-stop, and remove lock and tag and re-attach the guards. *For more detailed instructions see "Guard Procedure – Re-Assembly"*	  
Step 4	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ***DO NOT wipe the belt while the belts moving, this is a safety concern.***	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

GEN 4.5

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.*	

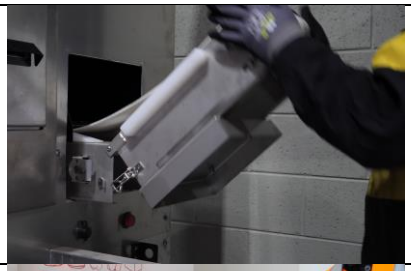
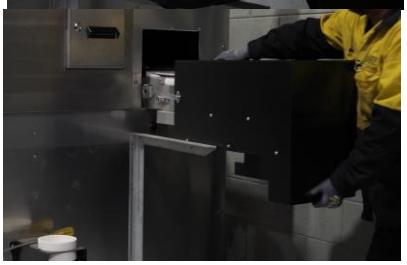
Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

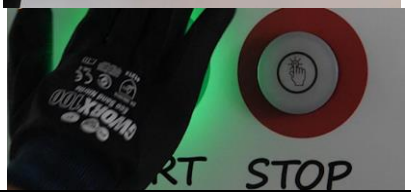
If build-up is particularly bad perform a
'Deep Clean'.

Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Unscrew and remove the front guard of each lane.	 
Step 2	Unlatch the conveyor allowing you to de-tension the belt.	

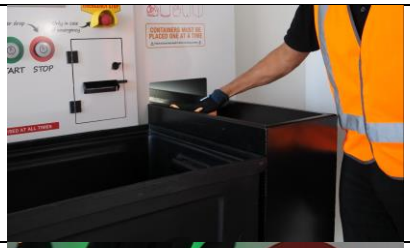
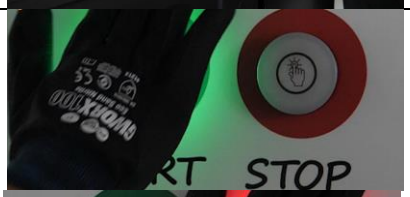
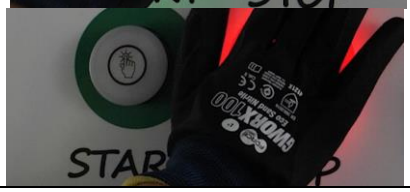
Step 3	Lift the unlatch conveyor up allowing easy to the rear conveyor. *For more detailed instructions to remove guard, refer to Guard Removal Process Gen 3.*	
Step 4	Using warm water and a cloth, scrub the entire conveyor of the machine, ensuring the syrup found in the Inspection step is removed.	
Step 5	This step is complete when all syrup is removed, and only water remains.	
Step 6	Latch the conveyor back together and place the front guards back onto the machine.	 

Step 7	Disengage the rear E-stop, and remove lock and tag.	  
Step 8	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	 

If the machine will be used directly after cleaning, dry the belts.

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	

Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. *DO NOT wipe the belt while the belts moving, this is a safety concern.*	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.	

PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended commercial-grade cleaner lightly spray the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

FRONT ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Remove the front guards. • Unscrew and remove the front guard of each lane. • Unlatch the conveyor allowing you to de-tension the belt. • Lift the unlatch conveyor up allowing easy access to the roller. *For more detailed instructions see "Guard Procedure – Removal"*	 
Step 2	Soak the front roller by placing a warm water-soaked cloth.	
Step 3	Continue to wipe the roller until all residue is removed.	

Rear Roller

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.

Underside of Belt

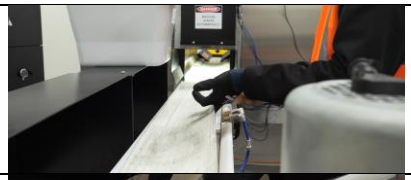
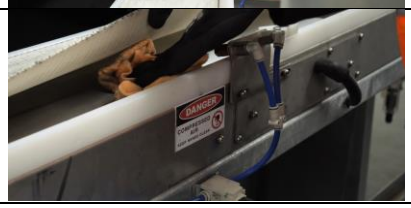
Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine and lift the de-tensioned belt.	

Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull the belt to show the next section.	
Step 4	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**
❗ **Guards still removed**

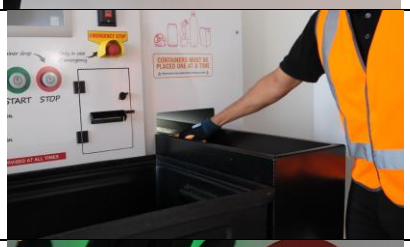
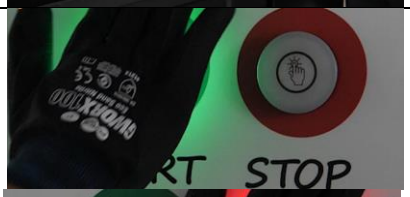
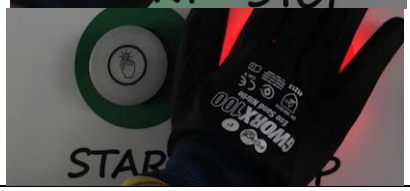
Step 1	Go to the rear of the machine at ejection points and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. *A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.*	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

RINSE THE CONVEYOR

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed.	
Step 2	This step is complete when all syrup is removed, and only water remains.	
Step 3	Disengage the rear E-stop, and remove lock and tag and re-attach the guards. *For more detailed instructions see "Guard Procedure – Re-Assembly"*	 
Step 4	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	 

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ***DO NOT wipe the belt while the belts moving, this is a safety concern.***	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

GEN 4.5V

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.*	

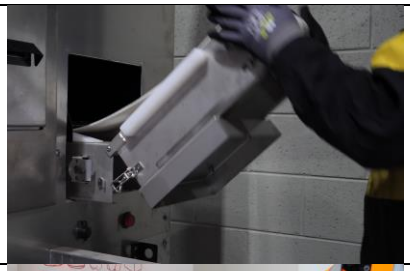
Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

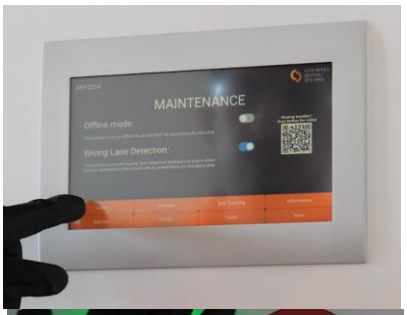
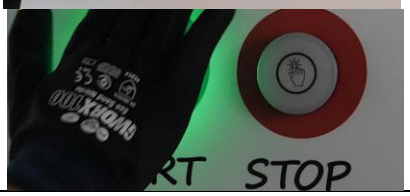
If build-up is particularly bad perform a
'Deep Clean'.

Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

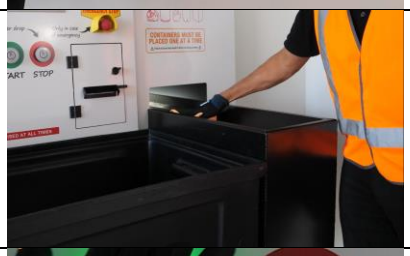
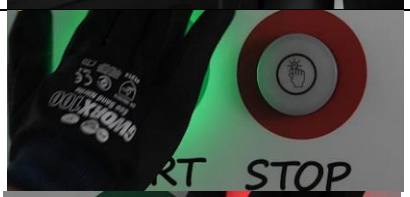
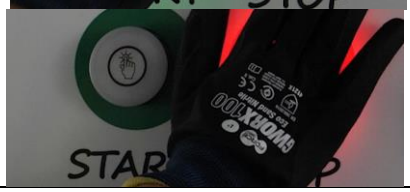
Step 1	Unscrew and remove the front guard of each lane.	 
Step 2	Unlatch the conveyor allowing you to de-tension the belt.	

Step 3	Lift the unlatch conveyor up allowing easy to the rear conveyor. *For more detailed instructions to remove guard, refer to Guard Removal Process Gen 3.*	
Step 4	Using warm water and a cloth, scrub the entire conveyor of the machine, ensuring the syrup found in the Inspection step is removed.	
Step 5	This step is complete when all syrup is removed, and only water remains.	
Step 6	Latch the conveyor back together and place the front guards back onto the machine.	 

Step 7	Disengage the rear E-stop, and remove lock and tag.	  
Step 8	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	 

If the machine will be used directly after cleaning, dry the belts.

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. *DO NOT wipe the belt while the belts moving, this is a safety concern.*	
Step 3	Press ‘Start’ to move the belt to an uncleaned section, then press ‘Stop’ to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.	

PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended commercial-grade cleaner lightly spray the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

FRONT ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Remove the front guards. • Unscrew and remove the front guard of each lane. • Unlatch the conveyor allowing you to de-tension the belt. • Lift the unlatch conveyor up allowing easy access to the roller. *For more detailed instructions see "Guard Procedure – Removal"*	 
Step 2	Soak the front roller by placing a warm water-soaked cloth.	
Step 3	Continue to wipe the roller until all residue is removed.	

Rear Roller

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**
❗ **Guards still removed**

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.

Underside of Belt

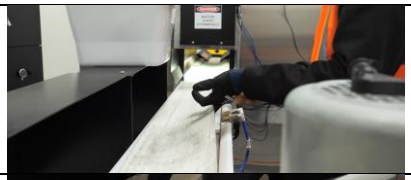
⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**
❗ **Guards still removed**

Step 1	Go to the rear of the machine and lift the de-tensioned belt.	

Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Clean the underside of the belt until all residues build up has been removed.	
Step 4	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**
Guards still removed

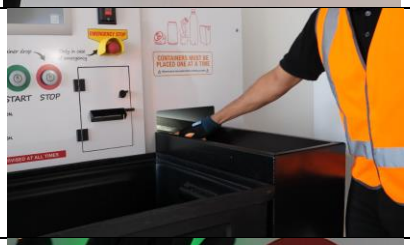
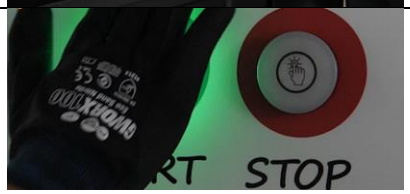
Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. *A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.*	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

RINSE THE CONVEYOR

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed.	
Step 2	This step is complete when all syrup is removed, and only water remains.	
Step 3	Disengage the rear E-stop, and remove lock and tag, and re-attach the guards. *For more detailed instructions see "Guard Procedure – Re-Assembly"*	 
Step 4	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	 

TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ***DO NOT wipe the belt while the belts moving, this is a safety concern.***	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

GEN 5

Daily Clean

Inspection

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. *Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.*	

Syrup tends to build under the conveyor belt and can glue the belt to the stainless-steel conveyor bed. To avoid damaging the machine, ensure frequent cleaning and monitoring of the ART.

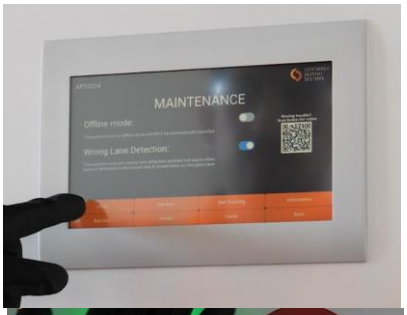
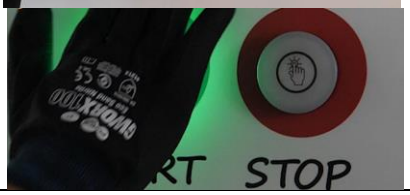
If build-up is particularly bad perform a
'**Deep Clean**'.

Rinse the Conveyor

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

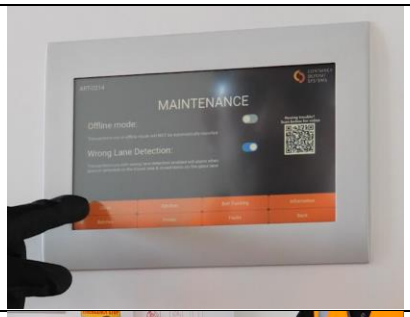
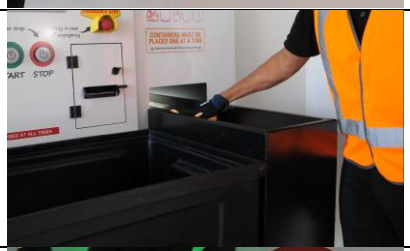
Step 1	Unlatch and remove the front guard of each lane.	 
Step 2	Unlatch the conveyor allowing you to de-tension the belt.	

Step 3	Lift the unlatch conveyor up allowing easy to the rear conveyor. *For more detailed instructions to remove guard, refer to Guard Removal Process Gen 3.*	
Step 4	Using warm water and a cloth, scrub the entire conveyor of the machine, ensuring the syrup found in the Inspection step is removed.	
Step 5	This step is complete when all syrup is removed, and only water remains.	
Step 6	Latch the conveyor back together and place the front guards back onto the machine.	 
Step 7	Disengage the rear E-stop, and remove lock and tag.	 

		
Step 8	Put the machine into ‘Cleaning Mode’ and run the belts. This is to remove any loose water.	 

If the machine will be used directly after cleaning, dry the belts.

TOPSIDE OF BELT

Step 1	Put the machine in ‘Cleaning Mode’	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. *DO NOT wipe the belt while the belts moving, this is a safety concern.*	
Step 3	Press ‘Start’ to move the belt to an uncleaned section, then press ‘Stop’ to stop the belts.	

		
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

Deep Clean

INSPECTION

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Inspect the rear conveyor for syrup build-up. Note areas of syrup build-up. These must be cleaned during the daily process, as to not allow it to set in overnight.	

PRE-WASH

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Using a recommended commercial-grade cleaner lightly spray the top of the belt and the entirety of the conveyor bed under the belt to loosen any debris or residue. Particularly target the areas which were found to have an excess buildup of residue during the 'Inspection' stage.	
Step 2	Let the cleaner sit for a few minutes to break down residues.	

FRONT ROLLER

⚠ **Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged**

Step 1	Remove the front guards. • Unlatch and remove the front guard of each lane. • Unlatch the conveyor allowing you to de-tension the belt. • Lift the unlatch conveyor up allowing easy access to the roller. *For more detailed instructions see "Guard Procedure – Removal"*	   
Step 2	Soak the front roller by placing a warm water-soaked cloth.	
Step 3	Continue to wipe the roller until all residue is removed.	

Rear Roller

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine. The rear roller will be visible from underneath between the belts.	
Step 2	Using warm water and a cloth clean all residue from the roller	
Step 3	Pull on the belt to rotate the roller.	
Step 4	Repeat steps 1-3 to clean the entire roller.	

A scraper or brush may need to be used to remove stubborn residue. Use both carefully as to not damage the machine and only remove the residue.

Underside of Belt

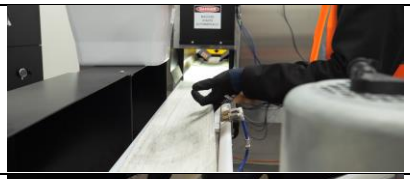
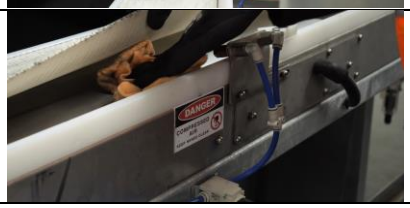
Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine and lift the de-tensioned belt.	

Step 2	Clean the visible underside of the belt until all residues build up has been removed.	
Step 3	Pull on the belt to rotate the belt.	
Step 4	Repeat steps 1-4 until the entire underside is cleaned.	

CONVEYOR BED

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Go to the rear of the machine at the vision system box and lift the belt with one hand.	
Step 2	Clean the bed of the conveyor under the belt.	
Step 3	If there is a particularly large syrup build up, soak the area in warm water using a rag until the syrup has dissolved. *A scraper or brush may need to be used to remove stubborn residue. Use both carefully to not damage the machine and only remove the residue.*	
Step 4	Once the area is cleaned move down the belt towards the rear.	
Step 5	Repeat steps 1-4 until the entire bed has been cleaned.	

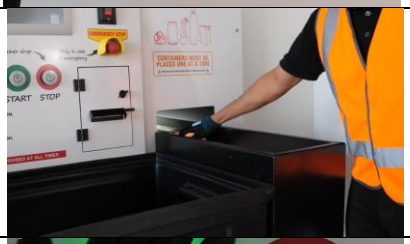
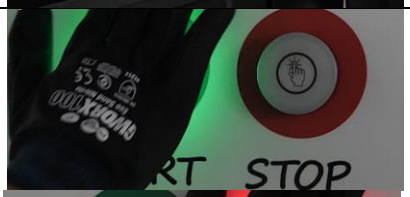
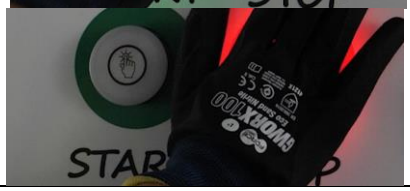
RINSE THE CONVEYOR

Ensure Lock on / Tag out Procedure is complete and rear E-Stop is engaged
Guards still removed

Step 1	Using warm water and a cloth, scrub the entire machine, ensuring the syrup found in the Inspection step is removed.	
Step 2	This step is complete when all syrup is removed, and only water remains.	
Step 3	Disengage the rear E-stop, and remove lock and tag, and re-attach the guards. *For more detailed instructions see "Guard Procedure – Re-Assembly"*	  
Step 4	Put the machine into 'Cleaning Mode' and run the belts. This is to remove any loose water.	

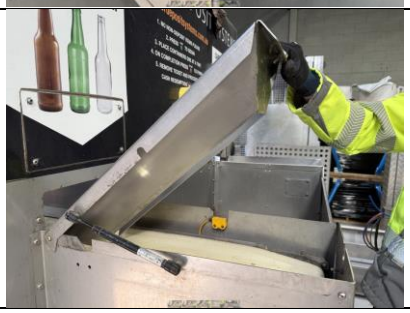
TOPSIDE OF BELT

Step 1	Put the machine in 'Cleaning Mode'	
Step 2	While standing at the front of the machine, using warm water and a cloth. wipe down the visible section of the belt. ***DO NOT wipe the belt while the belts moving, this is a safety concern.***	
Step 3	Press 'Start' to move the belt to an uncleaned section, then press 'Stop' to stop the belts.	 
Step 4	Repeat steps 2 and 3 until the entire topside of the belt has been cleaned.	
Step 5	If the machine will be used directly after cleaning, dry the belts.	

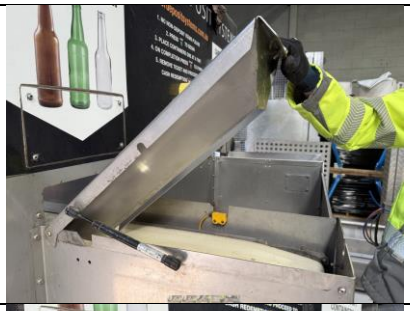
Guard Procedure

Gen 0

REMOVAL

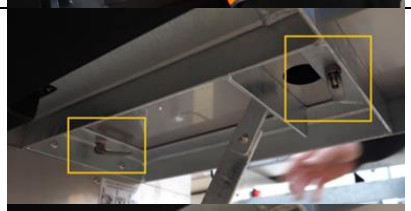
Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	 
Step 2	Using key unlock guard.	
Step 3	Lift guard.	

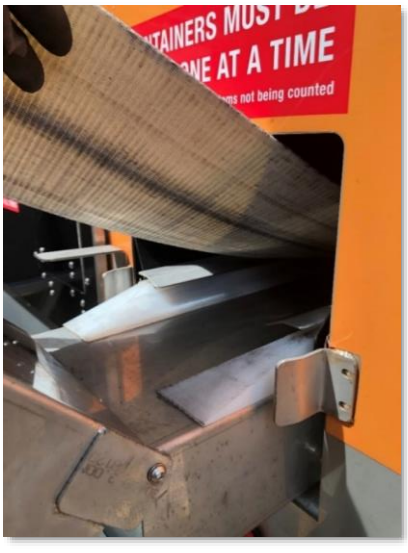
REASSEMBLY

Step 1	Lower guard.	
Step 2	Using key lock guard.	

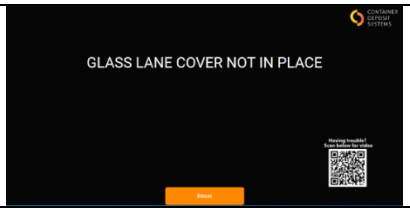
Gen 2.5

REMOVAL

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	 
Step 2	Remove the product tub.	
Step 3	Loosen the two conveyor cover clamping levers under the conveyor cover, one at the rear and one in the front.	 
Step 4	Slide the cover out and lift cover away	

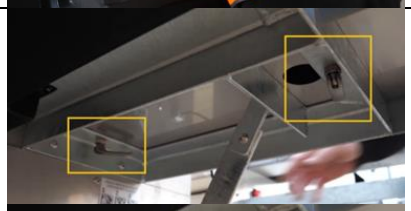
Step 5	Open the conveyor release latches on either side.	
Step 6	The conveyor can be elevated to relieve the tension and allow access to the conveyor bed and the underside of the belt.	
Step 7	The belt can be lifted from under the stainless-steel conveyor belt protection strips (inside the camera box as referred on 69).	

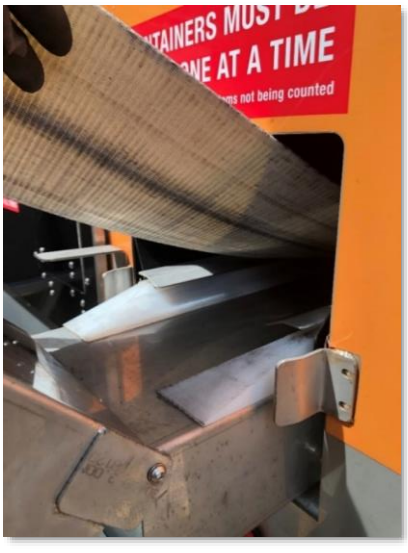
RE-ASSEMBLY

Step 1	When finished, lower the conveyor belt down and fasten the two conveyor release latches. Ensure the belt is refitted under both stainless-steel conveyor belt protection strips as seen in figure 1.	
Step 2	Ensure the belt is not dragging on the framework beneath the conveyor bed.	 *Correct belt tension*  *Incorrect belt tension*
Step 3	Reinstall the conveyor cover and fasten the locks.	
Step 4	The system is fitted with a safety switch to prevent the conveyors from moving while cleaning is being carried out. The conveyor covers must be reinstalled to be able to run the ART.	
Step 5	If the safety switch is activated the screen will appear (mixed lane shown) as in Figure 17. Press the 'Reset' button to reset the fault.	

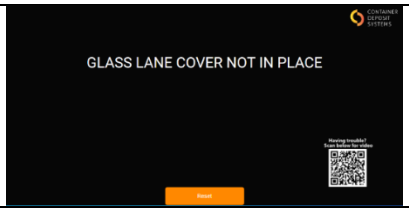
Gen 3

REMOVAL

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	 
Step 2	Remove the product tub.	
Step 3	Loosen the two conveyor cover clamping levers under the conveyor cover, one at the rear and one in the front.	 
Step 4	Slide the cover out and lift cover away	

Step 5	Open the conveyor release latches on either side.	
Step 6	The conveyor can be elevated to relieve the tension and allow access to the conveyor bed and the underside of the belt.	
Step 7	The belt can be lifted from under the stainless-steel conveyor belt protection strips (inside the camera box as referred on 69).	

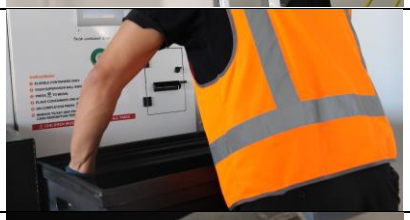
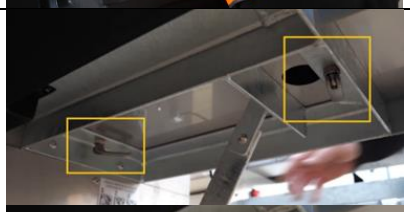
RE-ASSEMBLY

Step 1	When finished, lower the conveyor belt down and fasten the two conveyor release latches. Ensure the belt is refitted under both stainless-steel conveyor belt protection strips as seen in figure 1.	
Step 2	Ensure the belt is not dragging on the framework beneath the conveyor bed.	 *Correct belt tension*  *Incorrect belt tension*
Step 3	Reinstall the conveyor cover and fasten the locks. Ensure guard goes over yellow circled tag.	
Step 4	The system is fitted with a safety switch to prevent the conveyors from moving while cleaning is being carried out. The conveyor covers must be reinstalled to be able to run the ART.	
Step 5	If the safety switch is activated the screen will appear (mixed lane shown) as in Figure 17. Press the 'Reset' button to reset the fault.	

Gen 4

Removal

Front Guard

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	  
Step 2	Remove the product tub.	
Step 3	Loosen the two conveyor cover clamping levers under the conveyor cover, one at the rear and one in the front.	 

Step 4	Slide the cover out and lift cover away	
Step 5	Open the conveyor release latches on either side.	
Step 6	The conveyor can be elevated to relieve the tension and allow access to the conveyor bed and the underside of the belt.	
Step 7	The belt can be lifted from under the stainless-steel conveyor belt protection strips (inside the camera box as referred on 69).	

REAR GUARD

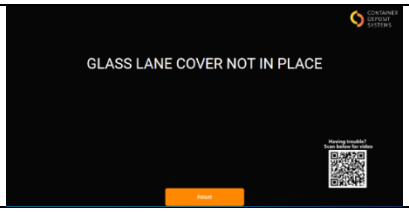
Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	 

		
Step 2	Using a M6 allen key remove the M6 bolts from the top of the rear guard.	
Step 3	Hinge the guard down allowing access to the rear roller.	

RE-ASSEMBLY

FRONT GUARD

Step 1	When finished, lower the conveyor belt down and fasten the two conveyor release latches. Ensure the belt is refitted under both stainless-steel conveyor belt protection strips as seen in figure 1.	 *Figure 1. Protection Strips*
Step 2	Ensure the belt is not dragging on the framework beneath the conveyor bed.	 *Figure 2. Correct belt tension*  *Figure 3. Incorrect belt tension*

Step 3	Reinstall the conveyor cover and fasten the locks. Ensure guard goes over yellow circled tag.	
Step 4	The system is fitted with a safety switch to prevent the conveyors from moving while cleaning is being carried out. The conveyor covers must be reinstalled to be able to run the ART.	
Step 5	If the safety switch is activated the screen will appear (mixed lane shown) as in Figure 17. Press the 'Reset' button to reset the fault.	

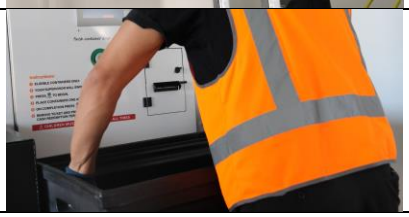
REAR GUARD

Step 1	Hinge the Rear guard back down into place and using a M6 allen key put the M6 bolts in the top of the rear guard.	
Step 2	Remove the "Isolation and Lock out Procedure" and disengage the Rear E-Stop.	

Gen 4.5

REMOVAL

FRONT GUARD

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	  
Step 2	Remove the product tub.	

Step 3	Using a flat-head screwdriver, loosen the two conveyor cover locks on the left and right sides of the conveyor cover.	 
Step 4	Slide the cover out and lift cover away	
Step 5	Open the conveyor release latches on either side.	

Step 6	The conveyor can be elevated to relieve the tension and allow access to the conveyor bed and the underside of the belt.	
Step 7	The belt can be lifted from under the stainless-steel conveyor belt protection strips	

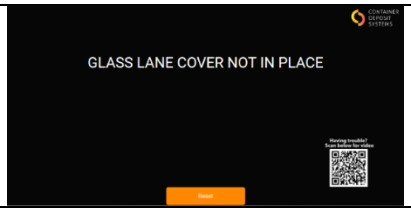
REAR GUARD

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	
Step 2	Using a M6 allen key remove the M6 bolts from the top of the rear guard.	

Step 3	Hinge the guard down allowing access to the rear roller.	

RE-ASSEMBLY

FRONT GUARD

Step 1	When finished, lower the conveyor belt down and fasten the two conveyor release latches. Ensure the belt is refitted under both stainless-steel conveyor belt protection strips as seen in figure 13.	
Step 2	Ensure the belt is not dragging on the framework beneath the conveyor bed.	 *Correct belt tension*  *Incorrect belt tension*
Step 3	Reinstall the conveyor cover and fasten the locks.	
Step 4	The system is fitted with a safety switch to prevent the conveyors from moving while cleaning is being carried out. The conveyor covers must be reinstalled to be able to run the ART.	
Step 5	If the safety switch is activated the screen will appear (mixed lane shown) as in Figure 17. Press the 'Reset' button to reset the fault.	

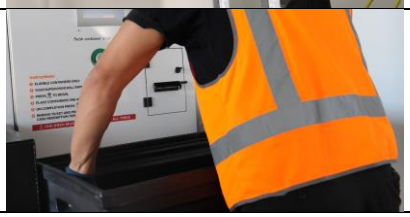
REAR GUARD

Step 1	Hinge the Rear guard back down into place and using a M6 allen key put the M6 bolts in the top of the rear guard.	
Step 2	Remove the “Isolation and Lock out Procedure” and disengage the Rear E-Stop.	  

Gen 4.5V

REMOVAL

FRONT GUARD

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	
Step 2	Remove the product tub.	

Step 3	Using a flat-head screwdriver, loosen the two conveyor cover locks on the left and right sides of the conveyor cover.	 
Step 4	Slide the cover out and lift cover away	
Step 5	Open the conveyor release latches on either side.	

Step 6	The conveyor can be elevated to relieve the tension and allow access to the conveyor bed and the underside of the belt.	
Step 7	The belt can be lifted from under the stainless-steel conveyor belt protection strips	

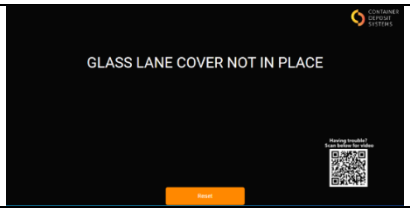
REAR GUARD

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	  
Step 2	Using a M6 allen key remove the M6 bolts from the top of the rear guard.	

Step 3	Hinge the guard down allowing access to the rear roller.	

RE-ASSEMBLY

FRONT GUARD

Step 1	When finished, lower the conveyor belt down and fasten the two conveyor release latches. Ensure the belt is refitted under both stainless-steel conveyor belt protection strips as seen in figure 13.	
Step 2	Ensure the belt is not dragging on the framework beneath the conveyor bed.	 *Correct belt tension*  *Incorrect belt tension*
Step 3	Reinstall the conveyor cover and fasten the locks.	
Step 4	The system is fitted with a safety switch to prevent the conveyors from moving while cleaning is being carried out. The conveyor covers must be reinstalled to be able to run the ART.	
Step 5	If the safety switch is activated the screen will appear (mixed lane shown) as in Figure 17. Press the 'Reset' button to reset the fault.	

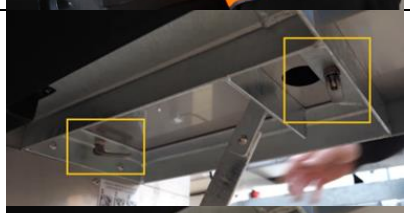
REAR GUARD

Step 1	Hinge the Rear guard back down into place and using a M6 allen key put the M6 bolts in the top of the rear guard.	
Step 2	Remove the “Isolation and Lock out Procedure” and disengage the Rear E-Stop.	  

Gen 5

REMOVAL

FRONT GUARD

Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	  
Step 2	Remove the product tub.	
Step 3	Loosen the two conveyor cover clamping levers under the conveyor cover, one at the rear and one in the front.	 

Step 4	Slide the cover out and lift cover away	
Step 5	Open the conveyor release latches on either side.	
Step 6	The conveyor can be elevated to relieve the tension and allow access to the conveyor bed and the underside of the belt.	
Step 7	The belt can be lifted from under the stainless-steel conveyor belt protection strips (inside the camera box as referred on 69).	

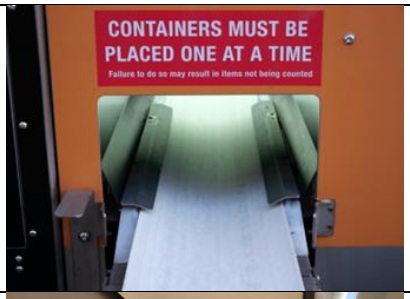
REAR GUARD

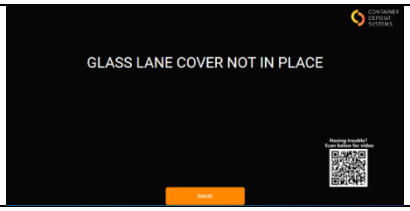
Step 1	Carry out an “Isolation and Lock out Procedure” and engage the Rear E-Stop.	

		
Step 2	Using a M6 allen key remove the M6 bolts from the top of the rear guard.	
Step 3	Hinge the guard down allowing access to the rear roller.	

RE-ASSEMBLY

FRONT GUARD

Step 1	When finished, lower the conveyor belt down and fasten the two conveyor release latches. Ensure the belt is refitted under both stainless-steel conveyor belt protection strips	
Step 2	Ensure the belt is not dragging on the framework beneath the conveyor bed.	 *Correct belt tension*  *Incorrect belt tension*
Step 3	Reinstall the conveyor cover and fasten the locks.	
Step 4	The system is fitted with a safety switch to prevent the conveyors from moving while cleaning is being carried out.	

	The conveyor covers must be reinstalled to be able to run the ART.	
Step 5	If the safety switch is activated the screen will appear (mixed lane shown) as in Figure 17. Press the 'Reset' button to reset the fault.	

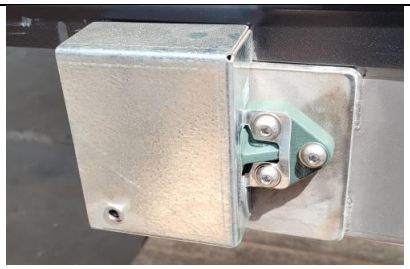
REAR GUARD

Step 1	Hinge the Rear guard back down into place and using a M6 allen key put the M6 bolts in the top of the rear guard.	
Step 2	Remove the "Isolation and Lock out Procedure" and disengage the Rear E-Stop.	

Conveyor Mechanical Maintenance

Grease Drive end Bearings

Every three months the drive end bearings need to be greased using an appropriate grease gun.

Step 1	Carry out the Isolation and Lockout Procedure	 
Step 2	Remove the bearing cover plate as required – 2x bolt	
Step 3	Apply small amount of grease to each grease nipple on each bearing housing using a EP2 general purpose high temperature grease.	

Airlines

Clearing airlines is important to ensure proper functioning and avoid potential blockages or malfunctions.

Safety

1. **Turn Off Equipment**: Ensure that the system or equipment connected to the airlines is turned off and properly isolated to prevent accidental operation.
2. **Depressurize**: Release any stored air pressure from the airline system to ensure safety during cleaning or maintenance.

Inspect the System

1. **Check for Visible Blockages**: Look for any obvious blockages or debris in the airline connections and components.
2. **Identify Problem Areas**: Pinpoint where the blockages or issues might be occurring.

Clean Airline Components

1. **Remove Airline Hoses**: Disconnect the airline hoses or tubes from the system components where possible.
2. **Use Compressed Air**: Blow out the airline using a high-pressure air nozzle to remove loose debris and dust. Be sure to direct the airflow away from yourself and others.
3. **Clean Filters and Regulators**: Remove and clean any filters, regulators, or other components that may be clogged.

Flush the System

1. **Flush with Air**: Use a high-pressure air stream to flush out any remaining debris or residue from the airlines. Make sure to direct the air through each section of the airline system.

Check for Leaks

1. **Inspect Connections**: After cleaning, inspect all connections and joints for any signs of leaks or damage.

Reassemble and Test

1. **Reconnect Hoses**: Reconnect the airline hoses or tubes to their respective components.
2. **Test the System**: Gradually re-pressurize the system and check for proper functioning. Listen for any unusual sounds that might indicate leaks or blockages.
3. **Run a Test**: Turn on the equipment and monitor its performance to ensure that the airlines are functioning properly.

Audit Camera Cleaning Procedure

The audit camera cover must be cleaned regularly, failing to do so might result in the audit process not being viable.

Follow the instructions below to successfully clean the audit camera cover:

Step 1	Use only a non-abrasive cloth.	
Step 2	Wet a cloth with the water and mild detergent (or VuPlex Plastic Cleaner spray).	
Step 3	Wipe down the plastic cover of the camera.	
Step 4	For best results dry the cover with a microfiber cloth.	

Note: Do not open the camera enclosure or damage to the camera may occur resulting in operator repair costs

MIS CLEANING AND MAINTENANCE

General maintenance is important to keep the MIS in safe and working order. A maintenance check can lead to the identification of problems and the assessment of hazards to prevent injuries. The MIS needs to be cleaned regularly to ensure the best performance and prevent unnecessary downtime.

Maintenance Schedules

Important:

- Any damage should be logged with CDS support on 08 8166 2829.
- A maintenance log of any work carried out should be kept and be updated by the person conducting the maintenance.
- A copy of the log with all maintenance history should be kept on site. This log may be called upon by CDS.

SECTION	DAILY	MONTHLY	EVERY 3 MONTHS	EVERY YEAR
Front face	x			
Touchscreen	x			
Printer		x		

For printer cleaning see "Printer Maintenance".

Daily maintenance includes:

- ✓ A general visual inspection to ensure MIS is working correctly. Any faults or concerns to be reported to CDS Support on 08 8166 2829.
- ✓ Clean the front face and touchscreen "Daily Cleaning Procedure".

Monthly Maintenance includes:

- ✓ Cleaning of the printer specified on "Printer Maintenance"

Daily Cleaning

Step 1	With a dry cloth, wipe the touchscreen.	
Step 2	With a warm soapy water-damped cloth, wipe the whole body of the terminal.	

- Use a paper towel to wipe off any water residue from the MIS. If this is not done the liquid may attract more foreign matter and require the MIS to be cleaned again in a much shorter period. The water can also compromise the screen.

PRINTER CLEANING AND MAINTENANCE

Note: ART, MIS and BRT use the same printer.

To maintain the optimum performance of the printer and to prevent issues, periodic maintenance must be carried out.

PRINTER PAPER SPECIFICATIONS

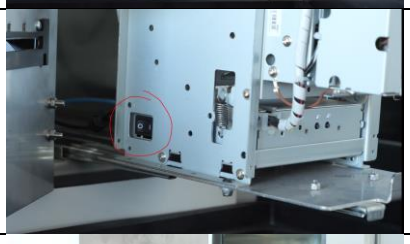
Thermal Paper Rolls Size: **80 mm x 130 mm x 25.5 mm**

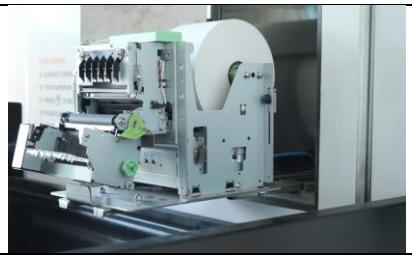
Printer Cleaning

The manufacturer of the printer recommends that the printer head is cleaned every month or 500,000 lines of printing. Remember to clean the printer on each ART, MIS and BRT. The print quality may be affected otherwise.

- When performing maintenance, always turn off the power, and take the appropriate measures to prevent static electricity.

PREPARE THE PRINTER FOR CLEANING

Step 1	Unlock and open the printer door.	
Step 2	Use the top green handle to slide the printer body out of the machine.	
Step 3	Turn the printer “off” at the switch on the rear/left hand side of the printer.	
Step 4	Open the front of the printer with the green release lever	

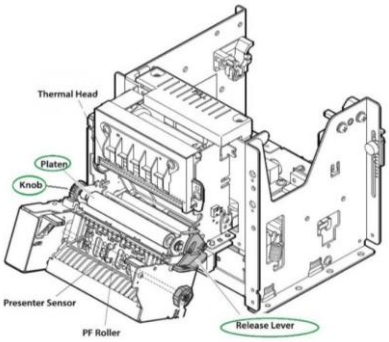
		

THERMAL HEAD CLEANING PROCEDURE

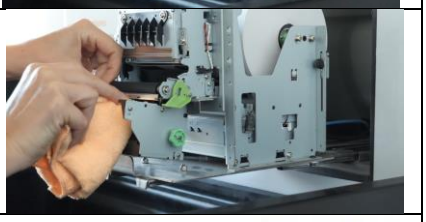
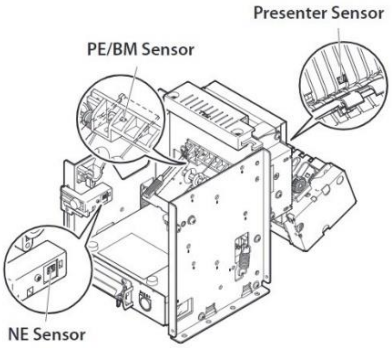
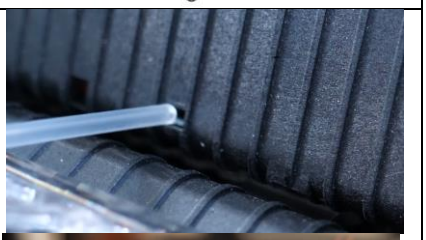
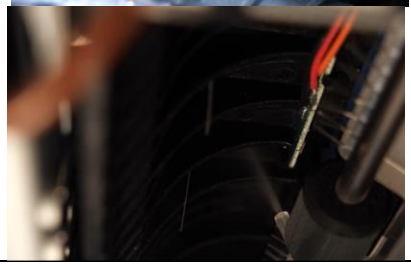
Step 1	Damp a cotton swab with an alcohol-based cleaner (such as ethanol or methanol).	
Step 2	Wipe the heating elements gently. Do not apply excessive force when doing so.	
Step 3	When the cleaning is complete, ensure the alcohol has completely evaporated before closing the platen unit.	

PLATEN CLEANING PROCEDURE

Note: If the platen is not clean, paper feed issues might occur

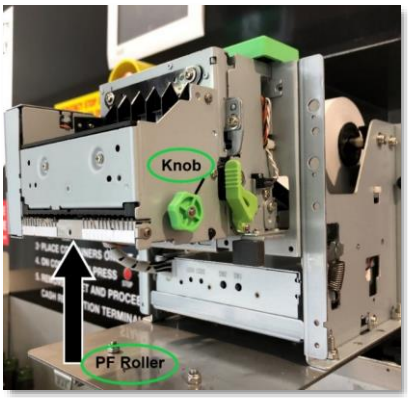
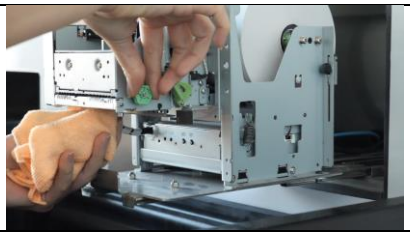
Step 1	Damp a cotton swab with an alcohol-based cleaner (such as ethanol or methanol).	
Step 2	Wipe the platen while slowly turning it with the black knob on the left had side as seen in Figure 20. Completely wipe away all the paper dust on the rubber platen.	 

PRESENTER SENSOR AND PERIPHERAL CLEANING PROCEDURE

Step 1	Remove any dirt, dust, or paper cuttings that may adhere to the presenter sensor or the vicinity.	
Step 2	Lift plastic guide.	
Step 3	Use a soft, dry cotton cloth, swap, or brush to clean. Do not apply excessive force when doing so.	
Step 4	Reposition the plastic guide back in place. Locate the Presenter, PE/BM and NE sensors	
Step 5	Using dry compressed air gently blow excess paper dust built up from sensor areas.	 

Step 6	Close the front of the printer.	

PF Roller Cleaning Procedure

Step 1	Locate the small PF roller under the printer head.	 
Step 2	Damp a soft cloth with an alcohol-based solvent (such as ethanol or methanol).	
Step 3	Clean the roller while slowly turning it using the green knob. Do not apply excessive force when doing so.	
Step 4	Wipe the heating elements gently.	

CRT CLEANING

Maintenance Schedules

Important:

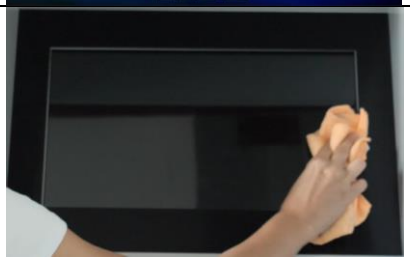
- Any damage should be logged with CDS.
- A maintenance log of any work carried out should be kept and be updated by the person conducting the maintenance.
- A copy of the log with all maintenance history should be kept on site.

SECTION	DAILY	WEEKLY	MONTHLY	EVERY YEAR
Front face	x			
Touchscreen	x			
Air Compressor Cleaning		x		
Sensors			x	

PRINTER PAPER SPECIFICATIONS

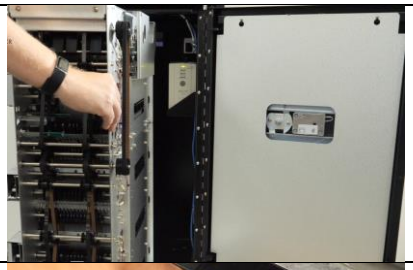
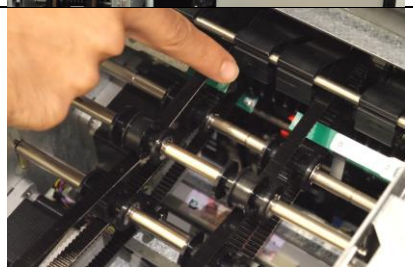
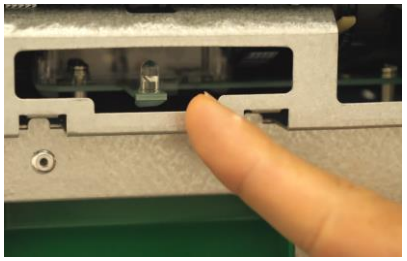
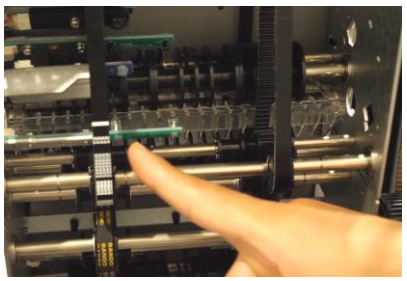
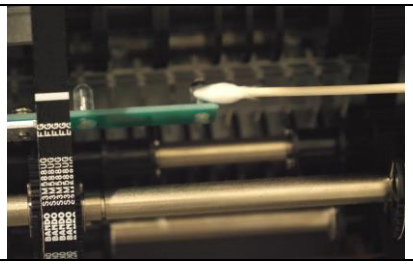
Thermal Paper Rolls Size: **80mm Wide x 180mm Diameter roll x 17.5mm inner core diameter.**

TOUCHSCREEN CLEANING

Step 1	Shutdown the CRT – OP Menu > Customer Setup > Shutdown Windows	
Step 2	Wipe the screen with a dry microfibre cloth. If the screen is still not completely clean, VERY slightly dampen the cloth with water and wipe again. ⚠ NEVER USE CHEMICALS OR SPRAY ANY WATER DIRECTLY ONTO THE SCREEN. ONLY EVER USE A SLIGHTLY DAMP CLOTH IF ABSOLUTELY NECESSARY. IF CHEMICALS, OR TOO MUCH WATER, ARE USED THE SCREEN COULD BECOME UNRESPONSIVE AND REQUIRE A TECHNICIAN TO SERVICE IT ONSITE.	
Step 3	Turn the CRT back on by pressing the Red Button. *Note: sometimes the second Red Button (square shape; located along the inside / top of the same metal box pictured), will need to be switched on as well.*	

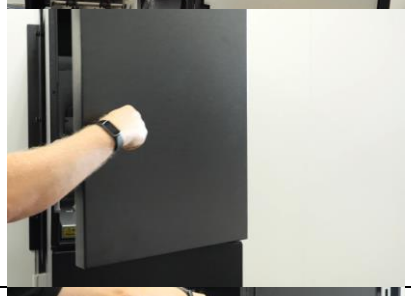
SENSOR CLEANING

The CRT dispensers have several sensors. Dust can collect on the sensors which may cause possible errors. Dust contamination is not always visible, so it is important to frequently clean the sensors.

Step 1	Open CRT back door and slide out CDU.	
Step 2	Locate sensors	  
Step 3	Wipe the surface of the sensors using a damp cotton swab or any clean, soft cloth (non-abrasive). *Note: Do NOT use a solvent.*	

AIR COMPRESSOR CLEANING

Site invests in either a small hand-held air compressor (not too powerful) or compressed air cans, to clear any dust or debris around the printer, coin hoppers, cash cassettes, CDU, PC, and Power Supply / UPS.

Step 1	Open CRT both back doors and slide out top tray and CDU out.	 
Step 2	Remove the hoppers and remove all coins from the hoppers.	
Step 3	Remove cassettes and all notes inside cash cassettes	
	Using either a small hand-held air compressor (not too powerful) or compressed air can, spray: • Top Tray • Inside of empty coin hoppers • Cash cassettes • CDU • PC • Power supply • UPS	
Step 4	Reassemble CRT, placing cassettes and hoppers back in their original places.