Kodak

Lotem 800

Straight Unloading Conveyor

Safety Guide for Service Engineers

English

731-01554A-EN Rev A

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Revised June 2008

Introduction

The Kodak® Lotem® 800 straight unloading conveyor is typically located between the rear of the platesetter and the plate processor.



Figure 1: Lotem 800 straight unloading conveyor

To ensure your safety and the safety of others, carefully read the safety precautions in this guide, before installing, operating, servicing, or maintaining the unloading conveyor.

Symbols used in this guide

DANGER: This indicates an imminently hazardous situation, which if not avoided, will result in serious injury or death.

WARNING: This indicates a potentially hazardous situation, which if not avoided, could result in serious injury or death.

CAUTION: This indicates a potentially hazardous situation, which if not avoided, could result in minor or moderate injury.

NOTICE: This indicates a property damage message.

General safety guides

- Read the Lotem 800 Straight Unloading Conveyor Safety Guide for Operators.
- Only perform service procedures when either the unloading conveyor is disconnected from its power source or an interlocked platesetter door remains open.
- When servicing the unloading conveyor, place the service safety sign "*machine in service—do not operate.*" within close proximity to the platesetter and associated computer.
- Never leave the unloading conveyor unattended in its folded position, see page 5.
- Remove any clothing, tags, jewelry or other objects that could get caught in the unloading conveyor's moving parts. Tie back long hair and roll up sleeves.

Plate handling

The edges of the plates are sharp. Improper plate handling can result in cuts to your hands.



CAUTION: Wear gloves when handling plates.

Electrical safety guides

Electrical safety is provided by grounding the unloading conveyor to the platesetter. The unloading conveyor is powered by 24-V DC power cables originating from the platesetter's E-box. When a platesetter's interlocked door is opened, the interlock safety switch is triggered, thus preventing the unloading conveyor's motor from operating.



WARNING: A potential electric shock exists if the unloading conveyor is not grounded. The unloading conveyor must always be grounded by connecting one end of the singular green/yellow grounding wire to the platesetter, and the other end of the grounding wire to the unloading conveyor.



WARNING: Electric shocks may be fatal.

Mechanical safety guides

WARNING: Do not put your hands in the gap formed between the unloading conveyor's front and rear assembly—marked in red in Figure 4 on page 6.

CAUTION: Do not put your hands in between the belts and the rollers (Figure 2 on page 4).

CAUTION: To prevent the unloading conveyor motor from operating during service, either disconnect the 24-V DC power cable from its connectors, or alternatively keep a platesetter interlocked door in an open position. Either of these two actions will prevent the 24-V DC power from being supplied to the unloading conveyor.

CAUTION: The platesetter interlock defeater enables both the platesetter and unloading conveyor motors to continue operating.

CAUTION: When connecting the 24-V DC power cable to the unloading conveyor, or when closing a platesetter's interlocked door, the unloading conveyor's belts can inadvertently rotate—therefore make sure there are no plates on the unloading conveyor. Plate edges are very sharp, and plates moving unexpectedly or plates falling off the platesetter may cause injury.

Working position, folded position, and storage position

The unloading conveyor can be placed in three different positions:

- Working position
- Folded position
- Storage position

WARNING: Never leave the unloading conveyor unattended in its folded position, see page 5.

WARNING: When the unloading conveyor is in its folded position or when it is moved between the three different positions (working, folded, storage) there is a possibility that the front assembly (Figure 3 on page 5) may inadvertently fall, therefore make sure of the following:

- Stand at the side of the unloading conveyor and only grip the unloading conveyor at the place indicated in Figure 3 on page 5.
- Do not place your hands in the area where the two assemblies come into contact, as indicated in red in Figure 4 on page 6.

Working position

When the unloading conveyor is in its working position its front assembly is supported by the platesetter (Figure 2).

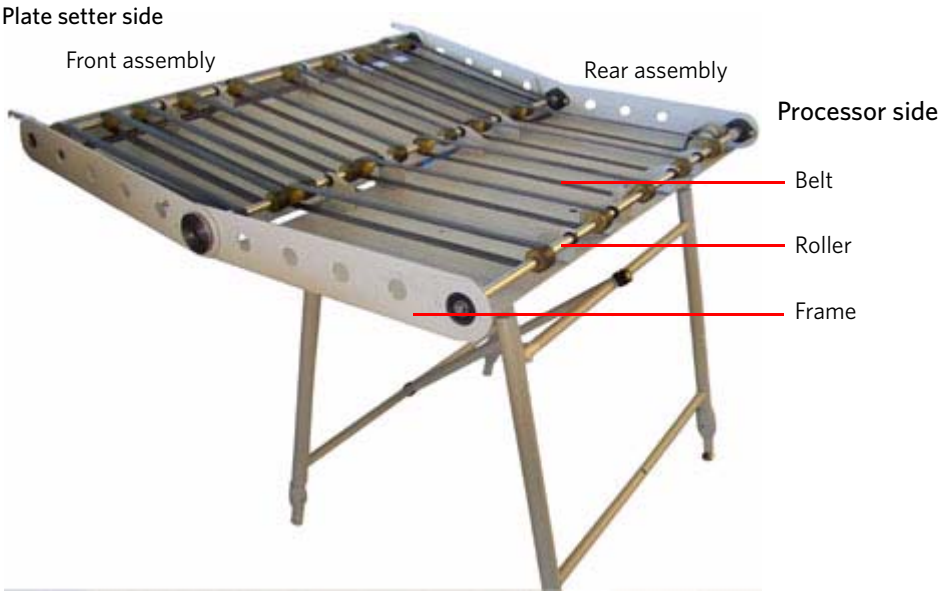


Figure 2: Unloading conveyor in working position

CAUTION: Make sure that neither clothing, long hair, tags, jewelry or other objects can become entangled in the unloading conveyor's belts (Figure 2 on page 4).

CAUTION: Do not place your hands between a rotating roller and belt, or between a rotating roller and the frame, (Figure 2 on page 4).

Folded position

The unloading conveyor should only be put into its folded position (Figure 3 on page 5) for either access purposes, or when the unloading conveyor is moved over a very short distance—for example close to the platesetter.

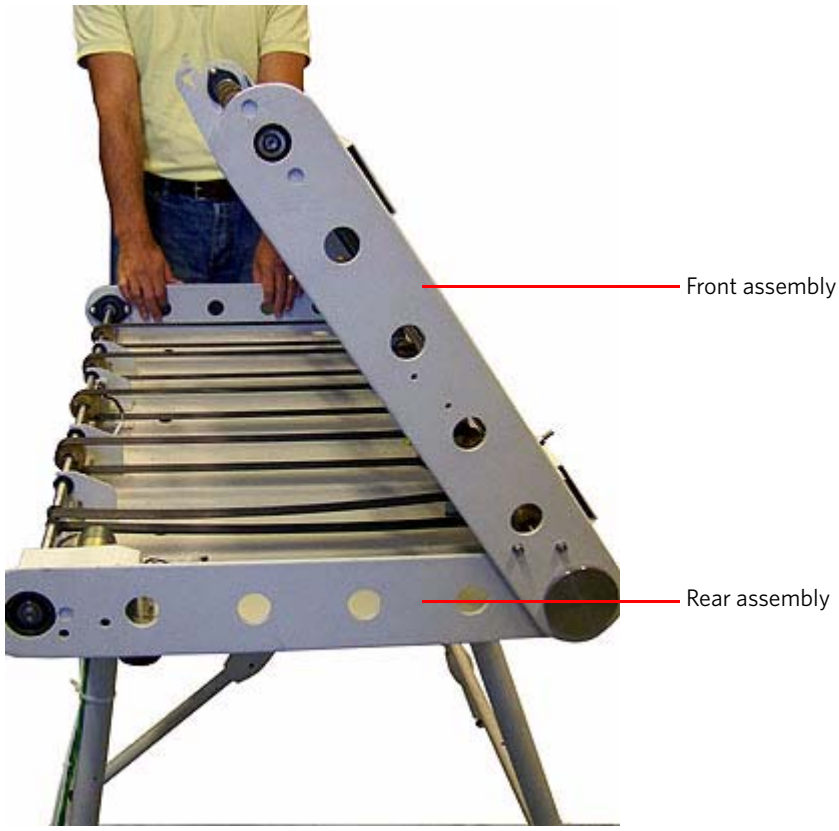


Figure 3: Unloading conveyor in folded position

WARNING: The unloading conveyor must always be left in either a working position or storage position. Never leave the unloading conveyor in the folded position.

WARNING: When moving the unloading conveyor, only grip the unloading conveyor by inserting your fingers through the holes on the rear assembly. Do not attempt to move the unloading conveyor by gripping it elsewhere (Figure 3 on page 5).

WARNING: To prevent the motors from operating, *before* moving the unloading conveyor, disconnect the 24-V DC power cable from the base of the conveyor.

WARNING: When the unloading conveyor is in the folded position, there is a possibility that the front assembly (Figure 3 on page 5) may inadvertently fall, therefore make sure of the following:

- Stand at the side of the unloading conveyor and only grip the unloading conveyor by the holes on the rear assembly (Figure 4 on page 6).
- Do not place your hands in the area where the two assemblies come into contact—highlighted in red in Figure 4 on page 6.

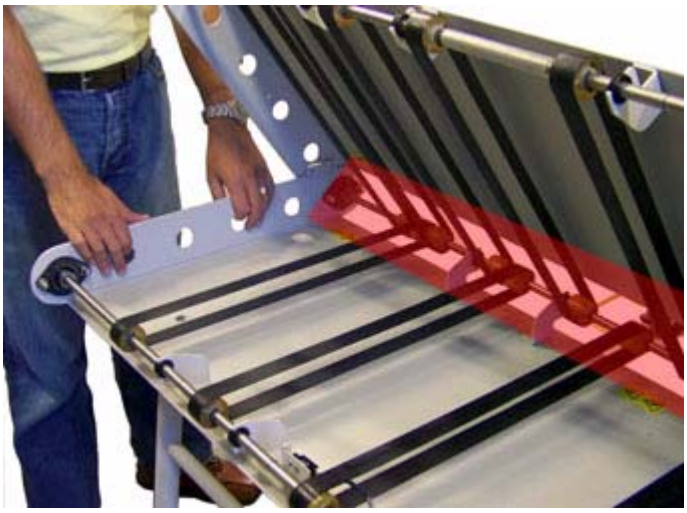


Figure 4: Do not place hands or objects in the area highlighted in red

Storage position

When not in working position, the unloading conveyor should always be put (or moved) in its storage position.



Figure 5: Unloading conveyor in storage position

WARNING: When moving the unloading conveyor between the three different positions (working, folded, storage) there is a possibility that the front assembly (Figure 3 on page 5) may inadvertently fall, therefore make sure of the following:

- Stand at the side of the unloading conveyor and only grip the unloading conveyor at the place indicated in Figure 3 on page 5.
- Do not place your hands in the area where the two assemblies come into contact, as indicated in red in Figure 4 on page 6. Warning labels are strategically placed on the unloading conveyor to indicate the hazardous areas for hands.

Cable covers

During the installation procedure, Kodak personnel install cable covers to shield cables lying on the floor. Make sure the cable covers are not damaged. Do not permanently remove any cable covers that would otherwise expose any cables.

Warning labels and their locations



Figure 6: Warning labels on underside of front assembly



Figure 7: Warning label located close to unloading conveyor motor

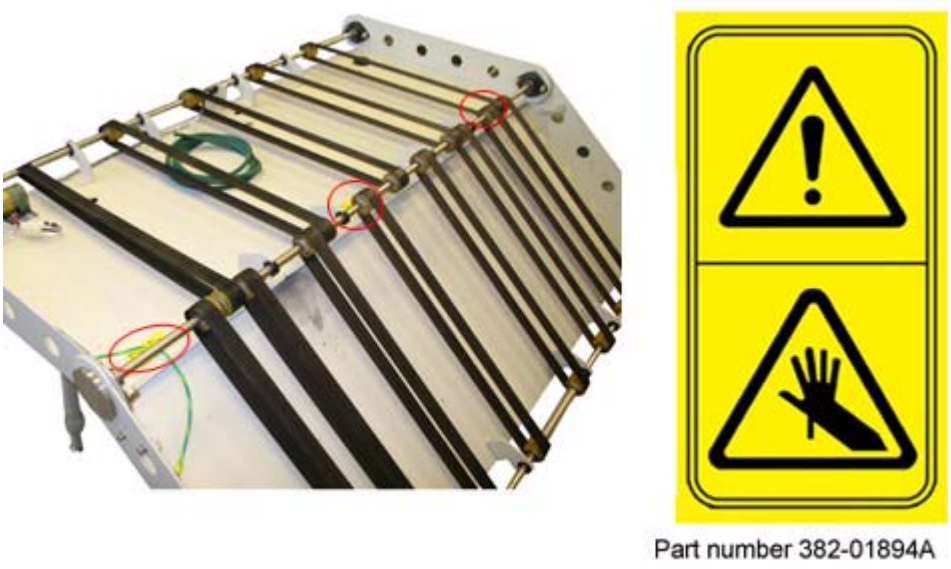


Figure 8: Warning labels located on the rear assembly