

ThermoFlex Mid II Hybrid With Offset Option

Safety Addendum for Users

English

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Important Notes on Safe Operation



WARNING: Before using the Kodak® ThermoFlex® Mid II Hybrid platesetter with Offset Option, you must read this guide and understand it. You must also read the ThermoFlex Mid II Safety Precautions for users.
When using the ThermoFlex Mid II Hybrid platesetter, you must follow all of the safety precautions and recommended procedures. This guide must be accessible to anyone who operates the ThermoFlex Mid II Hybrid platesetter with Offset Option.
Your failure to read, understand, and follow the information in this guide may result in a dangerous situation and the risk of serious personal injury or damage to the platesetter.

Introduction

ThermoFlex Mid II Hybrid platesetter with Offset option images both offset and flexo plates.

Note: The term “offset plates” refers to aluminum plates.

This document is an addendum to the ThermoFlex Mid II Safety Precautions for Users. This addendum describes the differences that are unique to the ThermoFlex Mid II Hybrid platesetter with Offset option. The differences relate to the following components:

- Registration pins
- Registration pins holder (with interlock)
- Side-to-side optical detector
- Laser head position
- Plate loading and unloading roller

Registration Pins

The offset option enables you to image offset plates on a ThermoFlex Mid II Hybrid platesetter. You can image one or two plates simultaneously, and no plate clamping is required. You manually load prepunched offset plates onto the drum using registration pins as reference guides.

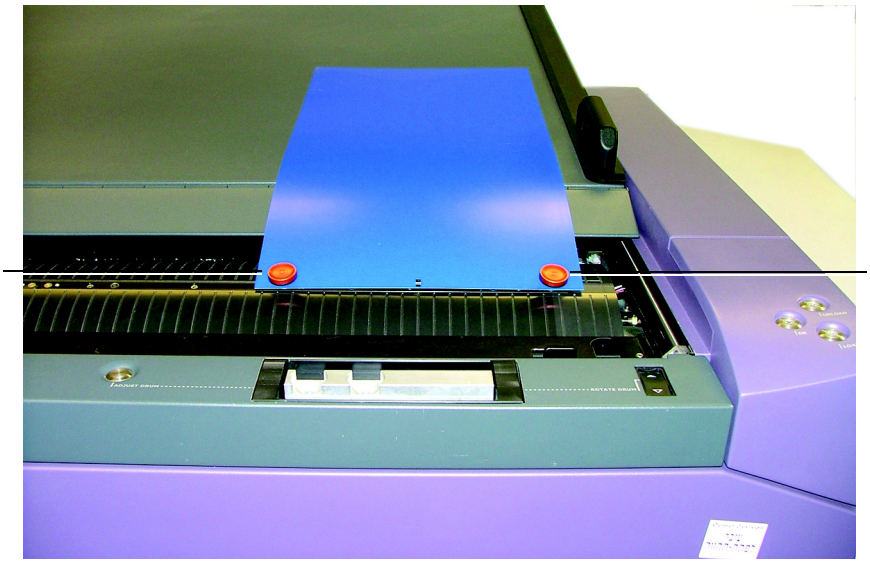


Figure 1: Plate on drum with two registration pins

After you load the plate, you secure it with tape on the leading and trailing edges, and then return the registration pins to the pin holder.

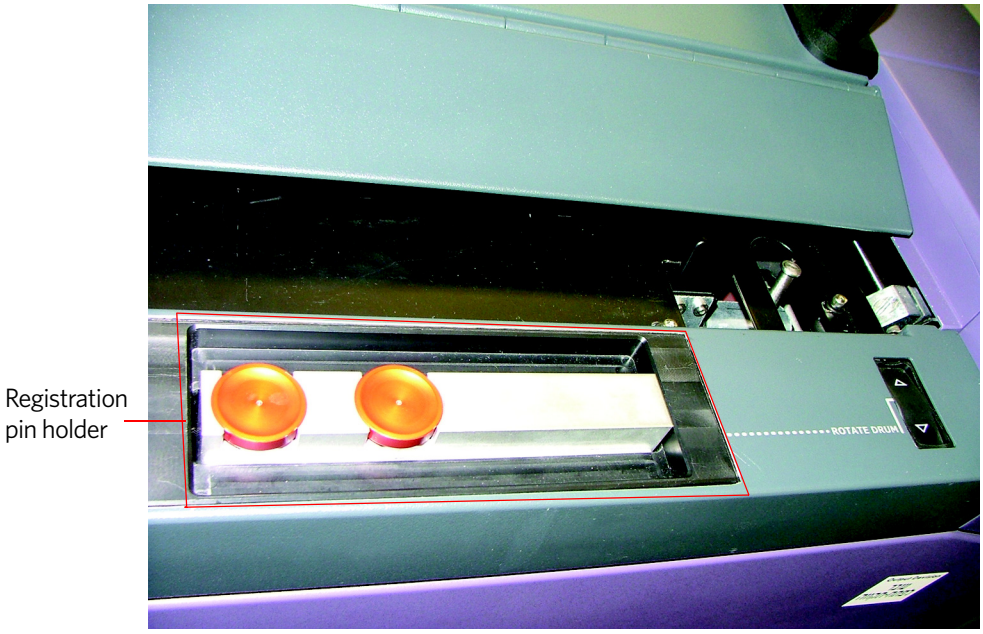


Figure 2: Registration pin holder

Note: The registration pins are available in various shapes (circular, square, an oval) depending on the customer's punch configuration.

The pin holder is connected to the mechanical interlock system. If any of the registration pins are not returned to the pin holder, the interlock microswitch activates. When the interlock microswitch is activated, the motors cannot operate and exposure cannot begin.

If any registration pins are not in the pin holder, when you either start up the platesetter or open the loading table, an error message and an open interlock indication appear.

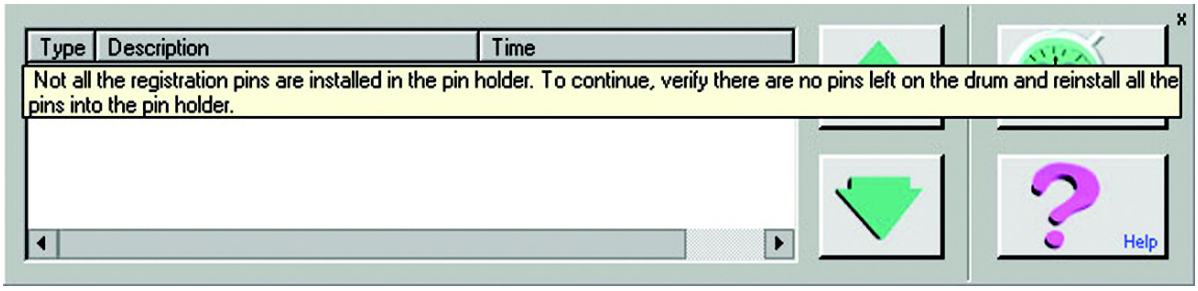


Figure 3: Error message reporting that not all the registration pins are in the pin holder

WARNING: Never attempt to operate the platesetter if any registration pins are missing from the pin holder. If a pin flies off the rotating drum or collides with the laser head, it can cause laser and/or mechanical hazards.

The ThermoFlex Mid II Hybrid platesetter with Offset option has numerous safety mechanisms to ensure that registration pins cannot be left in the drum where they can damage the platesetter and as a result, potentially injure the operator. These precautions include:

- The registration pin holder is connected to the mechanical interlock system.
- The side-to-side detector detects whether a pin is in the drum.
- The laser head moves to home position when the loading table or service door is opened, and upon startup.

However, it is imperative to visually confirm that no registration pin remains in the drum before you close the loading table.

To deal with a registration pin that has fallen into the platesetter's interior:

1. To open the front panel, press the Open Front Panel button, and then open the panel.



Figure 4: Open Front Panel button

2. Locate the missing registration pin, and remove it from the platesetter.

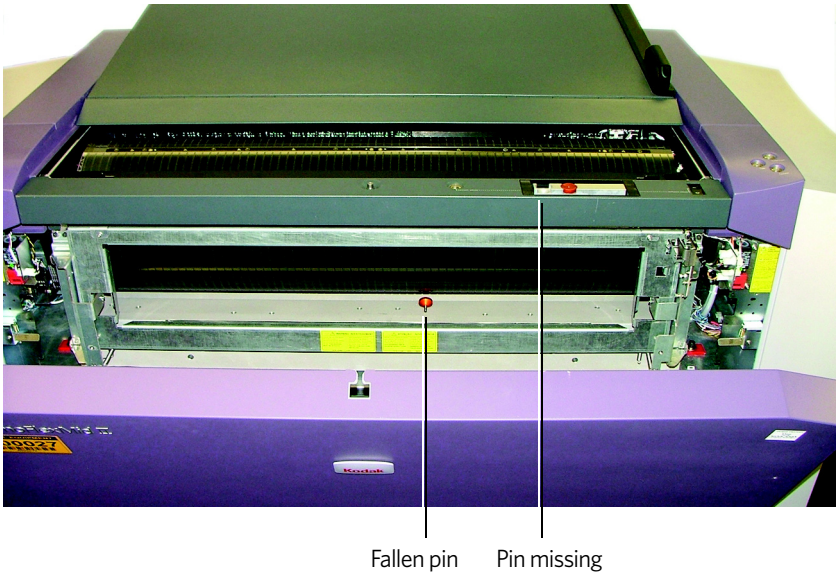


Figure 5: Front panel open to let you retrieve the missing registration pin

3. Verify that there is no damage to the platesetter or registration pin.
4. Return the registration pin to the registration pin holder.

WARNING: If you find any damage or suspect any damage to the platesetter or to the registration pin, do not operate the platesetter. Turn off the platesetter and call your service representative.

Side-to-Side Optical Detectors

The purpose of the side-to-side detectors located inside the platesetter is to verify that no registration pins are in the drum before each exposure.

If the side-to-side detector detects a registration pin in the drum, exposure does not begin. An error message appears and the platesetter status changes to **Attention**.

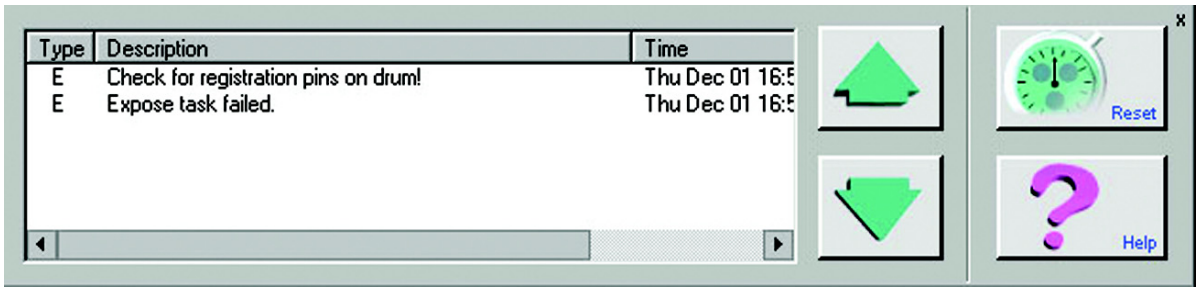


Figure 6: Message reporting that the side-to-side detector detects registration pin on drum before exposure

Laser Head

The ThermoFlex Mid II Hybrid platesetter with Offset option automatically moves the laser head to home position upon startup and upon opening the loading table. This is to prevent damage to the platesetter as a result of registration pins being left in the drum and colliding with the laser head.

When you open the service door, the laser head must be in home position (on the left side of the drum). As a precaution, once every day when you open the service door, verify that the laser head is in home position.

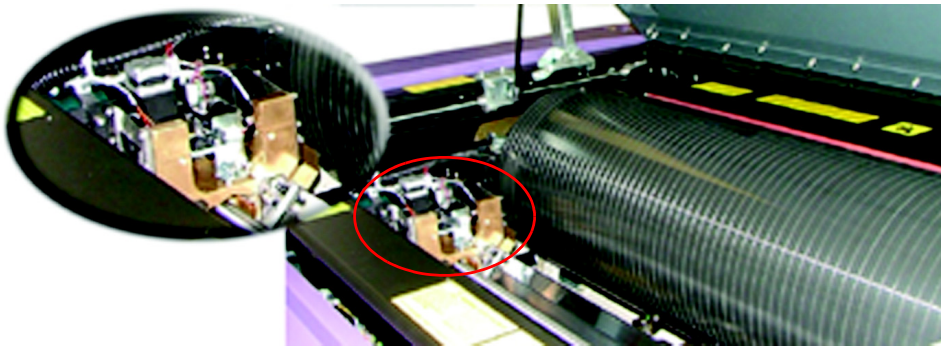


Figure 7: Laser head in home position on the left side of the drum

To open the service door:

➢ In the ThermoFlex Controller software, in the **Routine Functions** menu, click **Open Service Door**.



Note: Do not click the Preventive Maintenance button in the ThermoFlex Controller software to check the laser head position. The Preventive Maintenance button opens the service door, but the laser head moves to the center position. Therefore make sure to open the service door as described on this page, and not with the Preventive Maintenance button.



WARNING: When you open the service door, if the laser head is not in home position, mechanical and potential class 4 laser radiation hazards are present. There is danger to your personal safety and to the platesetter.Do not operate the platesetter. Turn off the platesetter and call your service engineer.

Plate Roller

A plate roller is used to make the plate adhere to the drum. A roller knob operates the lever, and the lever moves the roller onto the drum.



Figure 8: Roller knob and roller lever default position

To move the roller onto the drum, pull the roller knob up. The roller lever springs the roller onto the drum.



Figure 9: Roller knob and roller lever in default position (down), and activated (up)

When you close the loading table, the loading table pushes the lever, and thus the roller, away from the drum.



WARNING: If you see any damage or suspect any damage to the roller lever or to the screws that secure the roller lever, do not operate the platesetter. Turn off the platesetter and call your service representative.

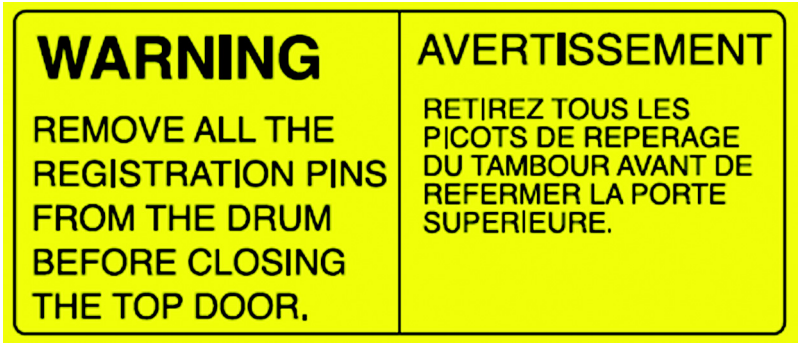
Summary of Offset-related Safety Precautions

- When you open the service door, the laser head must be in home position.
- No registration pins may remain in the drum after you load the plate.
- No registration pins are missing from the registration pins holder when you operate the platesetter.
- The plate roller lever must be in good condition and the lever screws firmly in place.

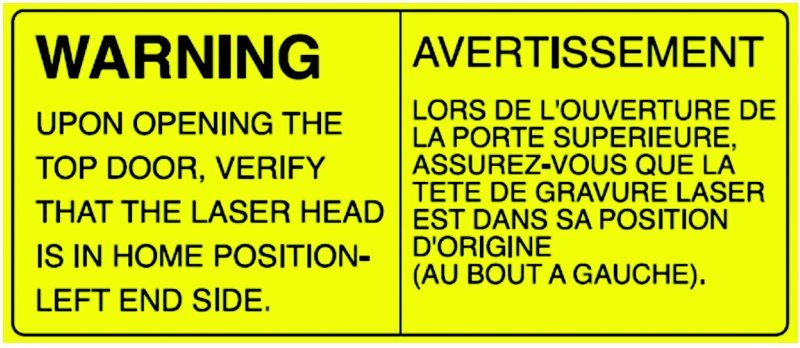
Warning Labels

The following pages show the warning labels that are unique to the ThermoFlex Mid II Hybrid With Offset Option.

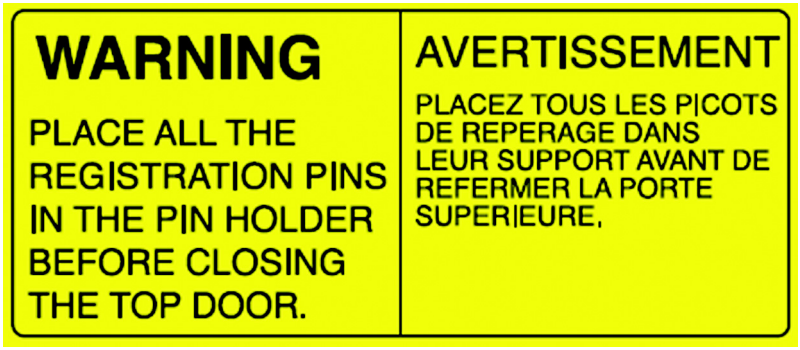
Note: The English and French versions of the labels are shown next as examples, but labels are provided in the language of the country in which the platesetter is installed.



382-01513A



382-01514A



382-01515A

Warning Label Locations

The illustrations in this section show the location of the warning labels that are unique to the ThermoFlex Mid II Hybrid platesetter with Offset option.

Note: The registration pin holder in the photo may vary slightly from the registration pin holder on your platesetter.



Figure 10: Warning label locations—front

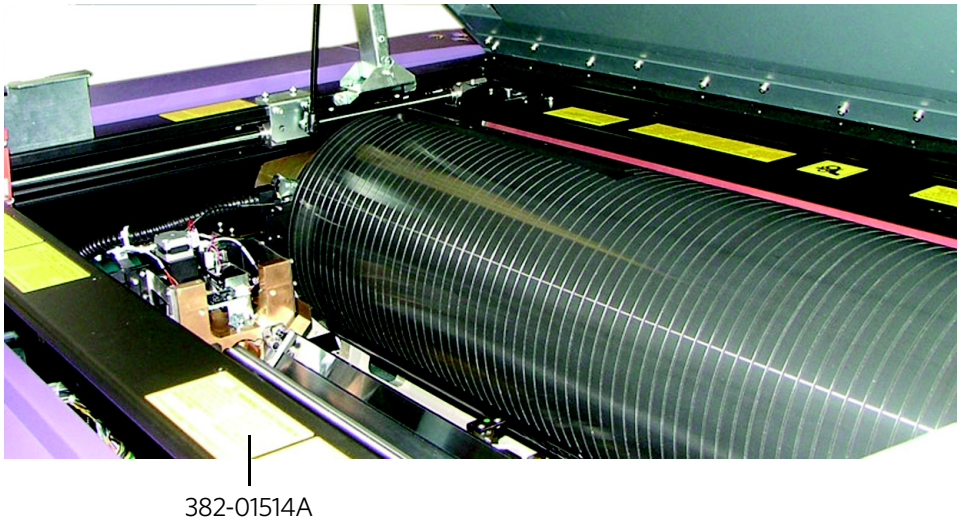


Figure 11: Warning label location—back

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