Kodak

ThermoFlex Wide II

Platesetter
Model ThermoFlex II

Safety Guide
English

761-00060A-EN

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What Is in This Document

This document contains the safety information that operators require to operate and maintain a Kodak ThermoFlex® Wide II platesetter (model ThermoFlex II), including regulatory compliance information. Where appropriate, it refers you to additional documentation about standards for electrical, mechanical, and laser safety. It also describes labels that are intended as safety reminders for Kodak service representatives.

This document includes the following sections:

- The *Installing, Operating, and Maintaining the Platesetter* section provides an overview of the tasks that operators can safely perform.
- The *Using Safety Messages to Avoid Hazardous Situations* section describes situations that can result in serious injury or death for the operator. This section also describes situations that can result in damage to the platesetter or its options.
- The *In Case of Fire* section provides information about what to do if there is a fire in the platesetter.
- The *Safety Features* section describes the various safety features built into the platesetter for your protection: the interlock system, the power/emergency stop switch, and the emergency stop button.
- *Appendix A, Labels* describes the labels that are located on the platesetter and its options to help you safely operate your imaging system.
- *Appendix B, Regulatory Compliance* lists the safety standards for which the platesetter was designed, tested, and evaluated for compliance.

For More Information

If you have other questions about the safe use of the platesetter, contact a service representative. The service representative may request the serial number, which you can find on the dataplate label at the back of the platesetter (for an example of this label, see page 17).

Visit http://graphics.kodak.com/ for documentation, training courses, downloads, and service and support contacts.

Installing, Operating, and Maintaining the Platesetter

Installation

A service representative must install the platesetter and perform the initial setup. Ensure that you are in compliance with the operating environment and connection requirements specified in the latest version of the site preparation guide for your platesetter:

- *ThermoFlex Wide II Site Preparation Guide (725-00093)*
- *Universal Debris Removal Cabinet (UDRC) Site Preparation Guide* (725-00089)

Operation

Before using the platesetter, you must read this guide and understand it. When using the platesetter, you must follow all of the safety messages and recommended procedures for device operation and troubleshooting. Some of these safety messages and procedures are in the operator guide and in the visual reference guide for your platesetter:

- *ThermoFlex Wide II Visual Reference Guide (653-01528)*
- *ThermoFlex Wide II Sheet Mode Operator Guide (653-00728)*
- *ThermoFlex Wide II Sleeve Mode Operator Guide (653-00752)*

This safety guide must be accessible to anyone who operates the platesetter.



WARNING: Failure to read, understand, and follow the information in this guide may result in the incorrect operation of this product and could create a dangerous situation. This could result in serious injury as well as damage to the platesetter.

Maintenance

The maintenance procedures that an operator can safely perform are described in the operator guide and in the visual reference guide for your platesetter. They include:

- Cleaning exterior surfaces
- Cleaning the drum surface and holes
- Cleaning the shell surface and holes (for sleeve option only)
- Replacing the filters for the compressed air supply
- Replacing the air intake filter
- Replacing the debris removal filter
- Cleaning the debris removal nozzle
- Replacing the arbor absorbent pads
- Replacing the thermal head window

Only a service representative should perform other maintenance procedures and all service work.

Using Safety Messages to Avoid Hazardous Situations

Paragraphs labelled **DANGER**, **WARNING**, and **CAUTION** provide safety information. Disregarding danger, warning, and caution safety messages can result in personal injury or death to you or to others in the vicinity of the platesetter. Paragraphs labelled **NOTICE** alert you to the possibility of damage to the platesetter.

The dangers, warnings, cautions, and notices described in the next sections apply to the operation and maintenance of the platesetter and its options. There may also be dangers, warnings, cautions, and notices that apply to other prepress equipment connected to the platesetter. See the documentation provided by the manufacturer of that equipment for relevant safety information.

Recognizing Different Levels of Hazard

DANGER: The use of the safety alert symbol with the signal word “danger” indicates an imminently hazardous situation, which, if not avoided, will result in serious injury or death. This does not alert you to potential damage to the platesetter unless personal injury risks are associated with the accident.

WARNING: The use of the safety alert symbol with the signal word “warning” indicates a potentially hazardous situation, which, if not avoided, could result in serious injury or death. This does not alert you to potential damage to the platesetter unless personal injury risks are associated with the accident.

CAUTION: The use of the safety alert symbol with the signal word “caution” indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. This may also alert you to unsafe practices. This does not alert you to potential damage to the platesetter unless personal injury risks are associated with the accident.

NOTICE: The use of the signal word “notice” indicates a situation which, if not avoided, could result in damage to the platesetter.

Danger Safety Messages for All Platesetters

DANGER: Do not tamper with the access panel interlock system. Never attempt to operate the platesetter with any of the access panels open, and never attempt to open or remove access panels while the platesetter is imaging plates. Tampering with the interlock system can result in serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts.

DANGER: Do not perform unauthorized repairs or make modifications. Unauthorized panel removal, repairs, or changes made to the platesetter can expose you to visible and invisible high-powered laser radiation, moving mechanical parts, and/or electrical shock, which will result in serious injury or death.

DANGER: The Safety Interlock Override (SIO) switch is for use only by a service representative. Unauthorized use can expose you to serious danger from moving mechanical parts and visible and invisible high-powered laser radiation, which could result in serious injury or death.



Safety Interlock Override (SIO) switch

DANGER: Do not remove any covers or panels bearing the laser noninterlocked panel label (see below). These areas can expose you to serious danger from visible and invisible high-powered laser radiation and/or moving mechanical parts, which could result in serious injury or death.



DANGER: Do not remove any covers bearing the hazardous voltage label (see below). These areas contain high-voltage components that can cause severe electrical shock, which could result in serious injury or death.



Warning Safety Messages for All Platesetters

WARNING: When opening access panels, beware of moving parts. Keep hands away from moving parts until the rotating drum comes to a complete stop. Mechanical hazards associated with the platesetter can result in serious injury.

WARNING: Particulate emissions that are not properly filtered can endanger your health. For a list of airborne emissions that pertain to the media you are using, see the manufacturer's Material Safety Data Sheet (MSDS) or contact the manufacturer or distributor directly.

WARNING: Do not use a debris removal particulate filter with a damaged gasket and do not attempt to image printing media with a depleted filter. Failure to heed these warnings could result in exposure to airborne emissions in excess of applicable regulatory limits and in possible discomfort, illness, injury, and/or disability.

WARNING: Use only qualified media. Using unqualified media may expose you to noxious gaseous emissions in excess of applicable regulatory limits. This may result in discomfort, illness, injury, and/or disability.

WARNING: Do not let water or other liquids run freely into the platesetter. This can result in serious injury from electrical shock as well as damage to your platesetter.

WARNING: Do not use chemical solvents or aggressive cleaning solutions for cleaning the compressed air supply particulate filter bowl. This can cause cracking or crazing damage to the plastic parts. When damaged plastic parts are exposed to high air pressure, these parts may explode and cause serious injury and/or damage to the platesetter.



WARNING: Be careful handling the magnetic clamps if you have a pacemaker. Operators with implanted cardiac pacemakers should ensure that magnetic clamps are kept more than 7 cm (2.75 in.) away from their pacemaker. If you have additional concerns, consult your physician and/or the manufacturer of your implant.



WARNING: Turn off the compressed air supply when working on the air supply filters. Failure to turn off the compressed air supply before inspecting or replacing a compressed air supply filter will result in the following:

- High-pressure air to be present in the filter elements and bowl, making disassembly difficult and dangerous. This could result in possible serious injury to you or damage to the platesetter from flying parts.
- A very loud noise that could damage your hearing



WARNING: Do not exceed 120 kg (265 lb) of weight on the transport cart. Do not carry both arbor and shell on a transport cart. This could cause serious injury as well as damage to the device.



WARNING: Do not exceed the maximum working height when moving the transport cart. Otherwise, the cart may cause injury by falling on the operator.

Caution Safety Messages for All Platesetters



CAUTION: Wear protective gloves when handling plates. Plate edges can be sharp. Failure to wear protective gloves can result in injury.



CAUTION: Keep body parts away from the area between the drum and the drum cradle. Failure to do so can result in injury from crushing force when the drum is being lowered.



CAUTION: Wear eye protection when working with sleeves. Air is ejected from shell holes at high pressure, and may cause operator injury.

Notices for All Platesetters

NOTICE: Do not open the platesetter more often than is absolutely necessary. Opening access panels is unavoidable but should be kept to a minimum to reduce the accumulation of dust in and around sensitive components.

NOTICE: Remove all slip sheets and packaging material from both the back and front of plates before you image them in the platesetter. Otherwise, the thermal laser could ignite the paper, causing a fire in the platesetter.

NOTICE: Make sure you load the same size and style of media on to the platesetter as specified in the Print Console software. Loading the incorrect media on the device may cause the drum to be improperly balanced and can cause significant damage to the platesetter.

NOTICE: You must use 3M™ Vinyl Tape 471 when taping the media. Use of other types of tape could damage the platesetter and/or cause a fire.

NOTICE: Do not use acetone on the drum, as it will destroy the anodized coating on its surface.

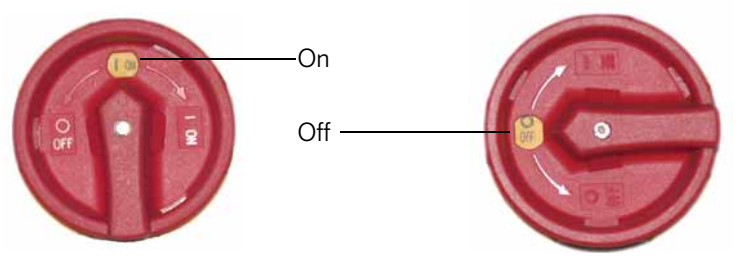
NOTICE: Failure to tighten the arbor hydraulic clamp when installing shells in the Wide II sleeve mode can damage the platesetter.

NOTICE: Failure to tighten the camlocks when converting from sleeve mode to sheet mode, or the reverse, will result in damage to the device.

In Case of Fire

If there is a fire in the platesetter, immediately turn off the rotary Power/Emergency Stop switch.

NOTICE: Remove all slip sheets and packaging material from both the back and front of plates before you image them in the platesetter. Otherwise, the thermal laser could ignite the paper, causing a fire in the platesetter.



Safety Features

All platesetters have these safety features:

- An interlock system
- A Power/Emergency Stop switch
- Emergency Stop buttons

The Interlock System on All Platesetters

All platesetters are equipped with an interlock system. An interlock system prevents the activation of a piece of equipment when a protective door is open or some other hazard exists. In platesetters, if you open or remove an interlocked door or panel while the platesetter is operating, the platesetter:

- Removes power from the laser, to protect you against injury from visible and invisible high-powered laser radiation
- Halts all mechanical activity, to protect you against injury from moving mechanical parts

Visible and Invisible High-Powered Laser Radiation

Laser emissions from an exposure head are invisible to the naked eye and are very dangerous if they contact skin or eyes. If you open or remove an access panel while the platesetter is operating, the interlock system removes power from the laser.



DANGER: Never attempt to operate the platesetter with any of the access panels open, and never attempt to open or remove access panels while the platesetter is imaging plates. Tampering with the interlock system can result in serious injury or death from visible and invisible high-powered laser radiation and/or moving mechanical parts.

There are labels on all the access panels that have interlock switches to protect you against visible and invisible high-powered laser radiation. See *Laser Interlocked Panel Label* on page 19.

Moving Mechanical Parts

The platesetter has a drum that revolves inside the platesetter. The plates are loaded, wrapped onto the drum, imaged, and unloaded.

The drum normally revolves up to 400 times per minute. If an object hits the revolving drum, the object may become lodged inside the platesetter and cause damage, including damage to the safety system, thermal imaging head, or protective enclosure. Ensure that the area around the drum is free of foreign objects at all times. If you open or remove an access panel while the platesetter is operating, the interlock system halts all mechanical activity.

To access the drum for sleeve operations, regular preventative maintenance or troubleshooting, you must open the front panel. Before you open the front panels, make sure the device is not imaging media, or is turned off.

Open the front panel by sliding open the load/unload table. Then while pressing the Release button on the inside of the front panel, lift the panel open.

If you see mechanical movement after 5 seconds has elapsed since opening the panel, the platesetter must be repaired.

In either case, if you see mechanical movement that indicates the platesetter requires repair, do the following actions:

1. Keep your hands away from the moving parts.
2. Turn the rotary Power/Emergency Stop switch to the **Off** position (see page 10).
3. Close the access panel.

4. Contact your service representative as soon as possible.

When the lock is released, confirm that the drum has stopped revolving before you start your maintenance or troubleshooting procedure (see *Safety Interlock Override Label (for Service Personnel)* on page 22).

Because exposure to a revolving drum can result in serious injury to the operator, service representative, or others in the vicinity of the platesetter, make sure that you comply with these drum safety messages:

DANGER: Do not tamper with the access panel interlock system. Never attempt to operate the platesetter with any of the access panels open, and never attempt to open or remove access panels while the platesetter is imaging plates. Tampering with the interlock system can result in serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts.

WARNING: When opening access panels, keep hands away from moving parts until the revolving drum comes to a complete stop. Mechanical hazards associated with the platesetter can result in serious injury.

NOTICE: Do not leave any object, tool, or part inside or on the platesetter enclosure. If an object becomes lodged in the platesetter, it may damage the platesetter.

Power/Emergency Stop Switches on All Platesetters

The Power/Emergency Stop switch disconnects power to the platesetter. The switch is located on the outside of the platesetter.

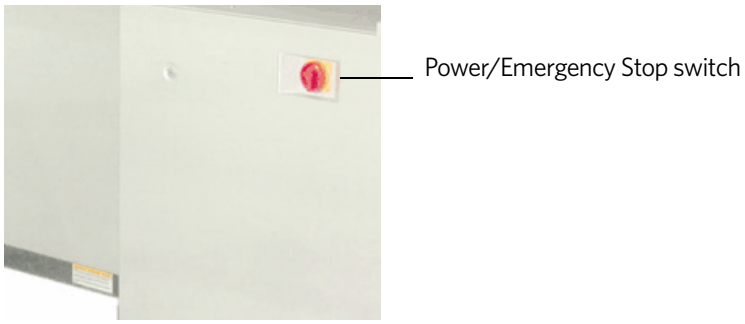


Figure 1: Power/Emergency Stop switch on the ThermoFlex Wide II platesetters

Regular Operation

When you are instructed to turn off the power to the platesetter for a maintenance procedure, turn the Power/Emergency Stop switch counterclockwise to the **Off** position. You can secure the switch in the **Off** position with a padlock to prevent another person from turning on the device while you are performing troubleshooting or maintenance procedures. See Figure 2.

Emergency Shutdown

If the Emergency Stop button is not accessible, turn the Power/Emergency Stop switch counterclockwise to the **Off** position. The switch disconnects power to the platesetter, which means that you cannot access information about the status of the platesetter.



Figure 2: Turn the switch counterclockwise to turn off the power

Emergency Stop Buttons on All Platesetters

The Emergency Stop button stops laser operation and mechanical movement, but the power remains connected. You can continue to access information about the status of the platesetter. Use this button to stop laser operation and mechanical movement in an emergency situation.

If you press this button, you must reset it before the platesetter can return to normal operation. To reset the button, rotate it 90° clockwise and reset the platesetter.

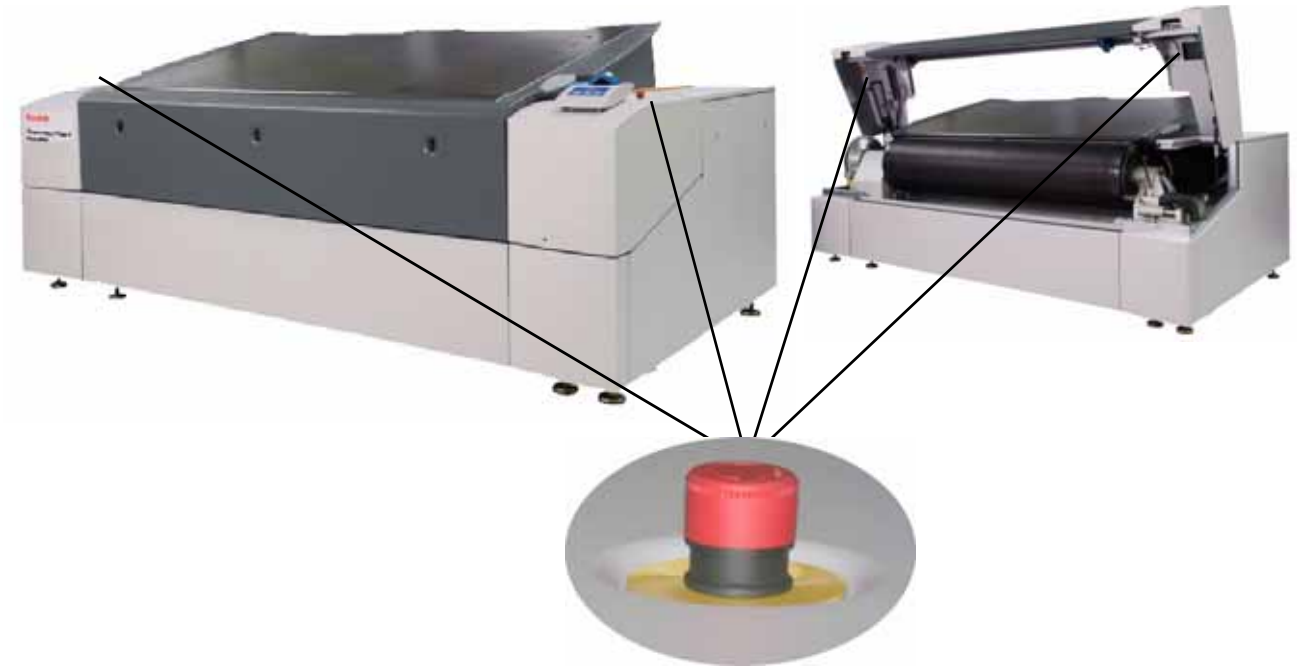


Figure 3: Emergency Stop buttons on the ThermoFlex Wide II platesetter

Safety Features on the Wide II Platesetter

Drum Control Switches

There are three drum control switches located on the front of the Wide II device that allow you to rotate the drum forward/backward while loading or unloading a flexo plate.

You must press both the center switch and one of the outside switches simultaneously (within 0.5 seconds) in order to move the drum. This is a safety feature to keep your hands safe from moving parts while the drum is rotating..

WARNING: Only one operator may operate the drum control switches at any one time. The presence of a second operator using the drum control switches jeopardizes the effectiveness of the safety feature provided by the drum control switches. Mechanical hazards associated with the device may cause injury to one or both operators.

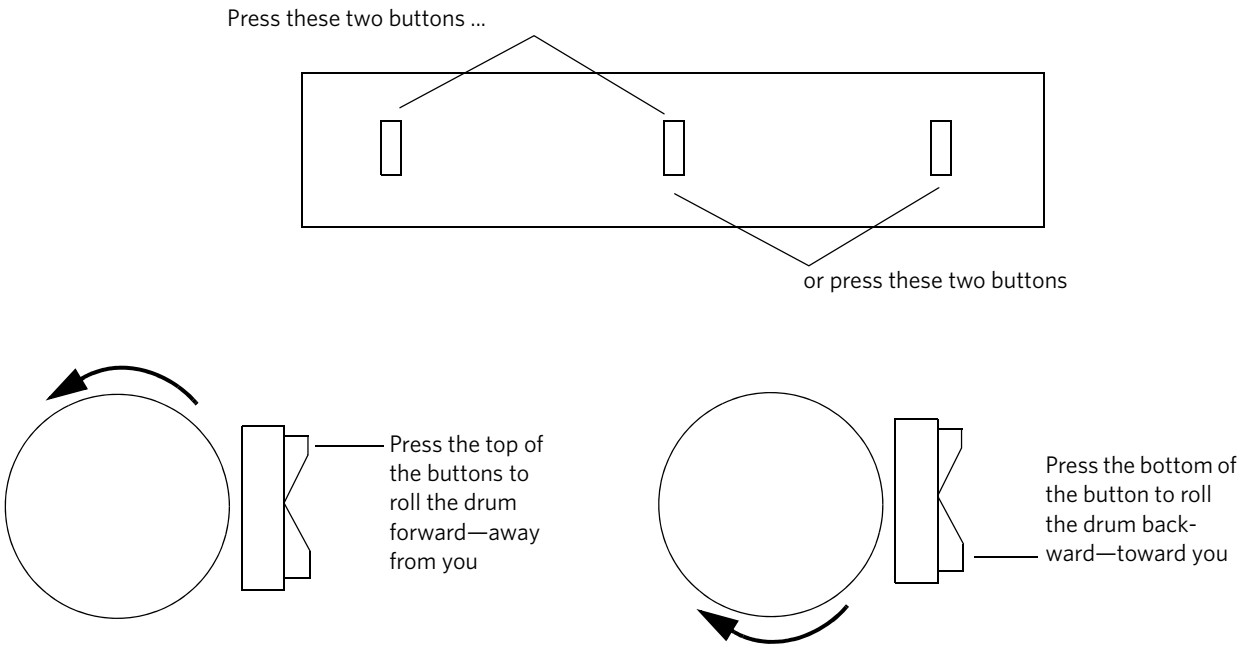


Figure 4: Drum control buttons: how they work

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Overview

This appendix contains information about the labels that are located on the:

- Platesetter (next section)
- Thermal imaging head (see page 24)
- Debris removal component (see page 26)

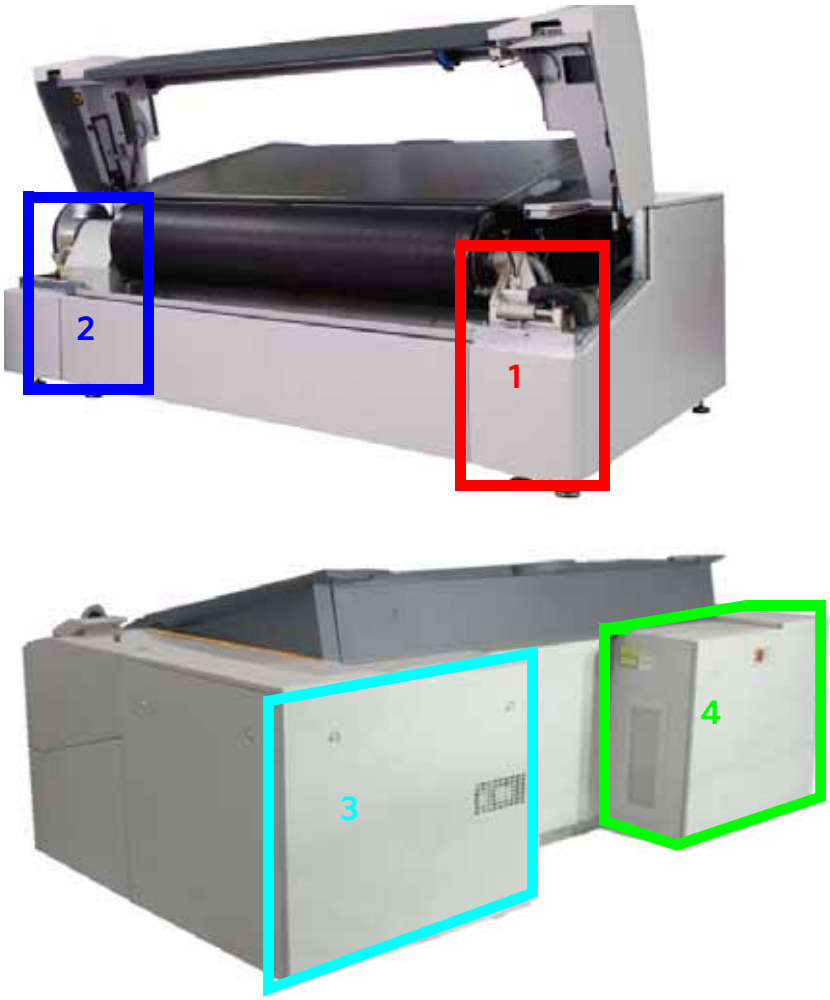
These labels are intended to assist you in safely operating your platesetter. They include information about:

- Device identification
- Compliance with various regulatory standards
- Laser safety
- Mechanical, electrical, and general safety

All the labels described in this appendix are in areas where they can be seen by platesetter operators. The labels that are intended primarily for the safety of service representatives are not included, except for those that are located in areas where operators can also see them.

Label Locations

Location of Labels on the Platesetter



1 Open panel, tailstock side

2 Open panel, homestock side

3 Left rear panel

4 Right rear panel, or powerbox panel

Figure 5: Label locations on the ThermoFlex Wide II platesetter

Location of Labels on the Thermal Imaging Head

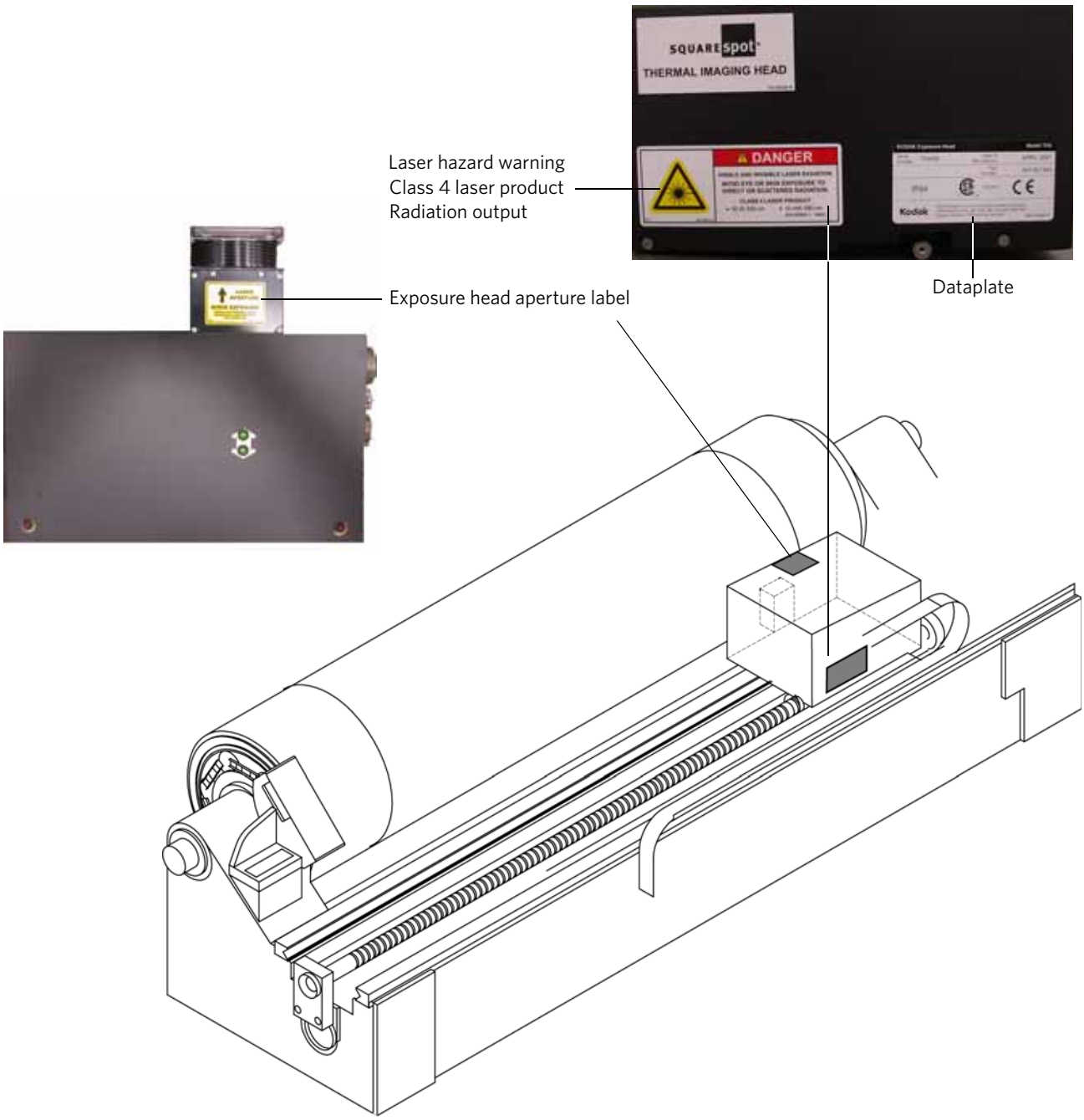


Figure 6: Location of laser safety labels on the thermal imaging head

Description of Labels on the Platesetter

Identification and Regulatory Compliance Labels

The identification and regulatory compliance labels are located on the lrear of the platesetter, above the powerbox filter access panel (area 4 in Figure 5 on page 15).

Dataplate Label

This label is located on the rear of the device, above the powerbox filter access panel (area 4 in Figure 5 on page 15).

When you call a service representative, you may be asked to find the serial number for your platesetter on this label.

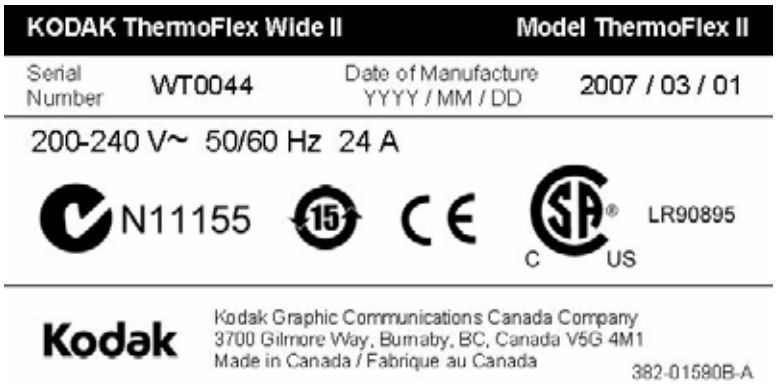


Figure 7: ThermoFlex Wide II dataplate label

Translation of above label:

Model

Serial number

Date of manufacture: <Year> <Month> <Day>

Complete electrical rating in volts, hertz, and amperes

Regulatory compliance marks, with file numbers

Kodak Graphic Communications Canada Company

3700 Gilmore Way, Burnaby, BC, Canada V5G 4M1

Made in Canada

Class 1 Laser Product Label

This label is located on the left panel of the power box, above the power box filter access panel (area 4 in Figure 5 on page 15).



Figure 8: Class 1 laser product label

Center for Devices and Radiological Health (CDRH) Compliance Statement Label

This label is located on the left panel of the powerbox, above the powerbox filter access panel (area 4 in Figure 5 on page 15).

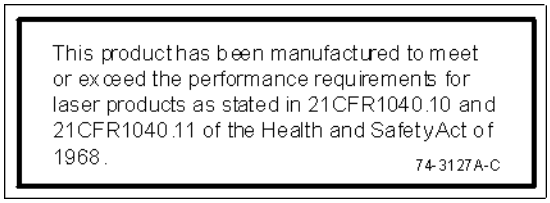


Figure 9: CDRH compliance statement label

Translation of above label:

This product has been manufactured to meet or exceed the performance requirements for laser products as stated in 21CFR1040.10 and 21CFR1040.11 of the Health and Safety Act of 1968.

Federal Communications Commission (FCC) Compliance Statement Label

This label is located on the left panel of the powerbox, above the powerbox filter access panel (area 4 in Figure 5 on page 15).

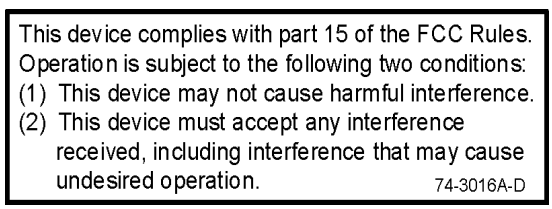


Figure 10: FCC compliance statement label

Translation of above label:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference.

(2)This device must accept any interference received, including interference that may cause undesired operation.

Laser Safety Labels on the Access Panels

Laser Interlocked Panel Label

These labels are located beside the safety interlock switches inside the interlocked protective housing.

DANGER: Do not tamper with the access panel interlock system. (See *The Interlock System on All Platesetters* on page 8.) Tampering with the interlock system can result in serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts.



Figure 11: Laser interlocked panel label

Laser Noninterlocked Panel Label

The laser noninterlocked panel label is located on the tool-secured service access covers or panels that provide laser safety.

DANGER: The service access covers or panels can be removed only by a service representative. Do not remove covers or panels bearing this label. Accessing the areas protected by these covers or panels can expose you to serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts.



Figure 12: Laser noninterlocked panel danger label

Electrical, Mechanical, and General Safety Labels

Mount on Noncombustible Flooring Material Only

This label is located on the rear frame of the device beneath the rear operator access panel (area 3 in Figure 5 on page 15).



Figure 13: Mount on concrete floor or other noncombustible flooring material label

High Touch Current Label

This label is located on the left panel of the power box, above the power box filter access panel (area 4 in Figure 5 on page 15).



Figure 14: High touch current label

Hazardous Voltage Label

This label is located on the service access covers to the power entry box and the power box.



DANGER: Service access covers can be removed only by an authorized service representative. Do not remove covers bearing this label as these areas contain high-voltage components that can cause severe electrical shock, which could result in serious injury or death.



Figure 15: Hazardous voltage label

Fuse Replacement Label

This label is located next to the operator replaceable fuses in the power box (area 4 in Figure 5 on page 15).

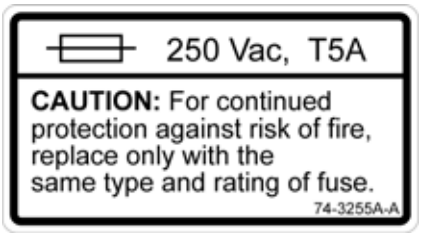


Figure 16: Fuse replacement label

Translation of above label:

Caution: For continued protection against risk of fire, replace only with the same type and rating of fuse.

Label on Outlet for Heat Exchanger/Chiller

This label is located next to the electrical outlet dedicated for the chiller or heat exchanger.

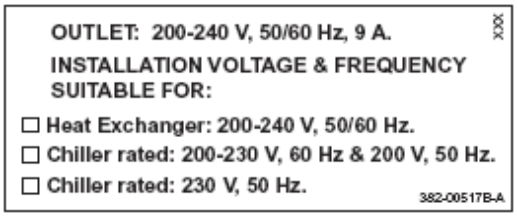


Figure 17: Heat exchanger/chiller electrical rating on the platesetter

Translation of above label:

Outlet: 200-240 V, 50/60 Hz A.

Installation voltage and frequency suitable for:

Heat Exchanger: 200-240 V, 50-60 Hz.

Chiller rated: 200-230 V, 60 Hz and 200 V, 50 Hz.

Chiller rated: 230 V, 50 Hz.

Safety Interlock Override Label (for Service Personnel)

This label is located beside the safety interlock override switch on the power box panel.



DANGER: The service safety interlock override key switch is for use only by an authorized service representative. Unauthorized use can expose you to serious danger from visible and invisible high-powered laser radiation, moving mechanical parts, and/or electrical shock, which could result in serious injury or death.

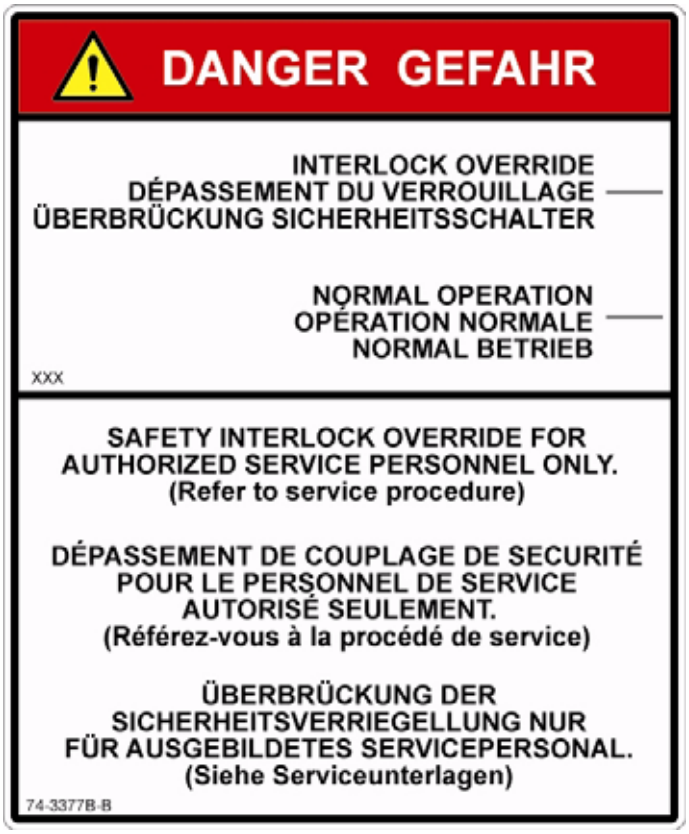


Figure 18: Safety interlock override label

Translation of above label:

Danger!

Interlock override

Normal operation

Safety interlock override for authorized service personnel only. (refer to service procedure)

Maximum PSI/BAR Label

This label is located in area 4 (Figure 5 on page 15) of the device, near the compressed air inlet connector.

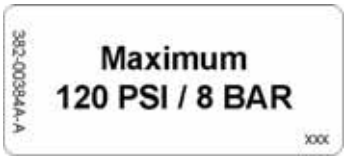


Figure 19: Maximum PSI/BAR label

Translation of above label:

Maximum PSI/BAR

Description of Labels on the Thermal Imaging Head

Identification and Regulatory Compliance Labels

Dataplate Label

Identification and regulatory compliance labels for the thermal exposure heads are located on the rear panel of the exposure head enclosure. See *Location of laser safety labels on the thermal imaging head* on page 16.

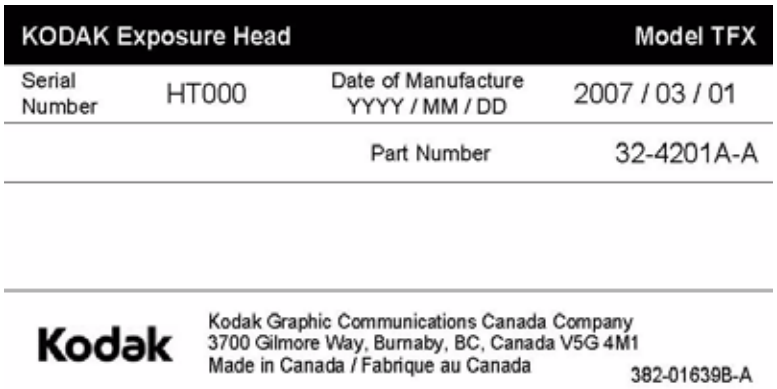


Figure 20: Dataplate label for thermal imaging head model TFX.

Translation of above label:

Model

Serial number

Date of manufacture: <Year> <Month> <Day>

Part Number

Kodak Graphic Communications Canada Company

3700 Gilmore Way, Burnaby, BC, Canada V5G 4M1

Made in Canada

Imaging Head Aperture Label

This label is located on top of the thermal imaging head protective housing, pointing to the shutter and aperture at the front of the thermal imaging head protective housing. See *Location of laser safety labels on the thermal imaging head* on page 16.



Figure 21: Exposure head aperture label

Translation of above label:

Laser aperture

Avoid exposure

Visible and invisible laser radiation is emitted from this aperture

Laser Hazard/Class 4 Laser Product Label/Radiation Output

The laser hazard/Class 4 laser product and radiation output safety label is located on the back of the thermal imaging head protective housing. See *Location of laser safety labels on the thermal imaging head* on page 16



Figure 22: Laser hazard/Class 4 laser product

Translation of above label:

.Danger!

Visible and invisible laser radiation.

Avoid eye or skin exposure to direct or scattered radiation.

Class 4 laser product



Figure 23: Radiation output label

Description of Labels on the Debris Removal Component

All ThermoFlex Wide II platesetters require a debris removal component. Debris removal functionality is provided by the Universal Debris Removal Cabinet.

Identification, Configuration, and Regulatory Compliance Labels

Dataplate Label

This label is located on the front of the debris removal canister.

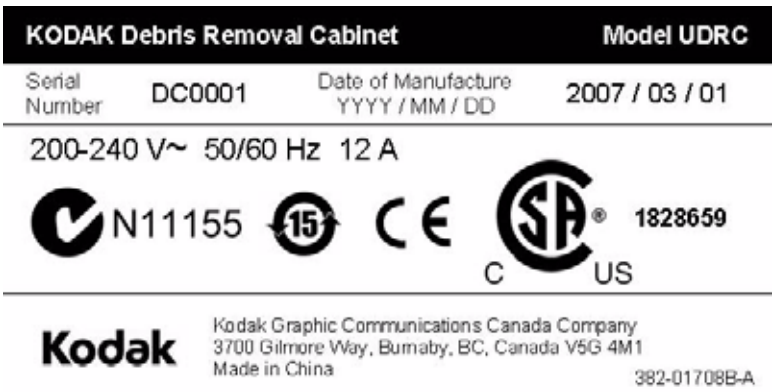


Figure 24: Dataplate label for Debris Removal Cabinet Model UDRC

Translation of above label:

Model

Serial number

Date of manufacture: <Year> <Month> <Day>

Complete electrical rating in volts, hertz, and amperes

Regulatory compliance marks, with file numbers

Kodak Graphic Communications Canada Company

3700 Gilmore Way, Burnaby, BC, Canada V5G 4M1

Made in China

External Venting Option Label

The External Venting Option label is located on the rear panel of the external venting option unit. If your debris removal unit has this label, it also has the Gaseous and Particulate Airborne Emissions label (see page 29) and the BP Configuration label (see page 27).

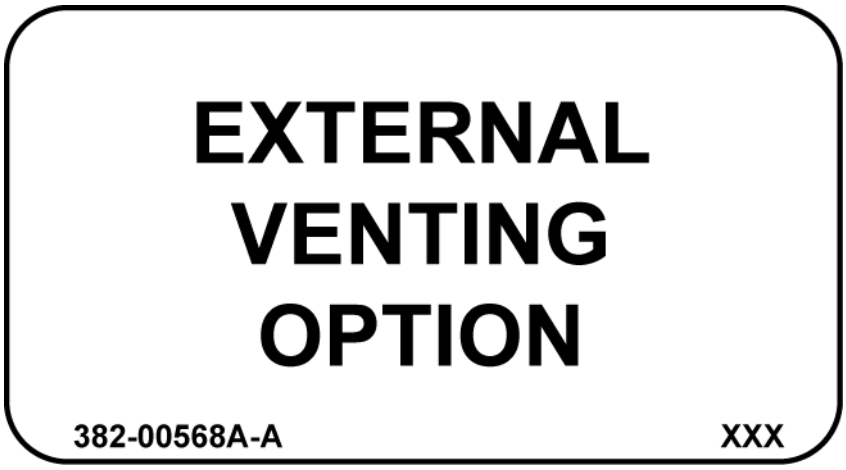


Figure 25: External Venting Option label

Translation of above label:

External venting option

Configuration Labels

The configuration label is located on the front of the debris removal canister.

BP Configuration Label

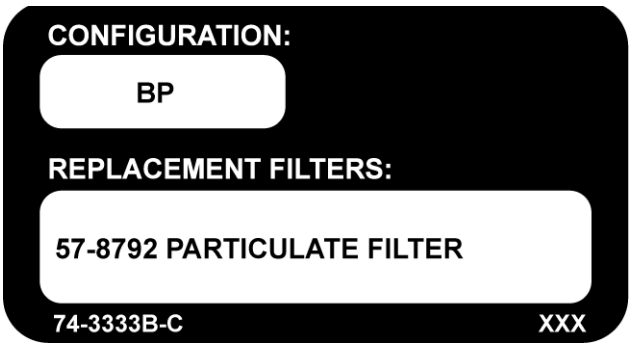


Figure 26: BP Configuration label

Translation of above label:

Configuration: BP

Replacement Filters: 57-8792 Particulate filter

Airborne Emissions Labels

Particulate Airborne Emissions Label

The Particulate Airborne Emissions label (if applicable) warns you of the possible release of airborne emissions when imaging certain types of printing media.

Important: Do not attempt to use printing media that have not been qualified by Kodak.

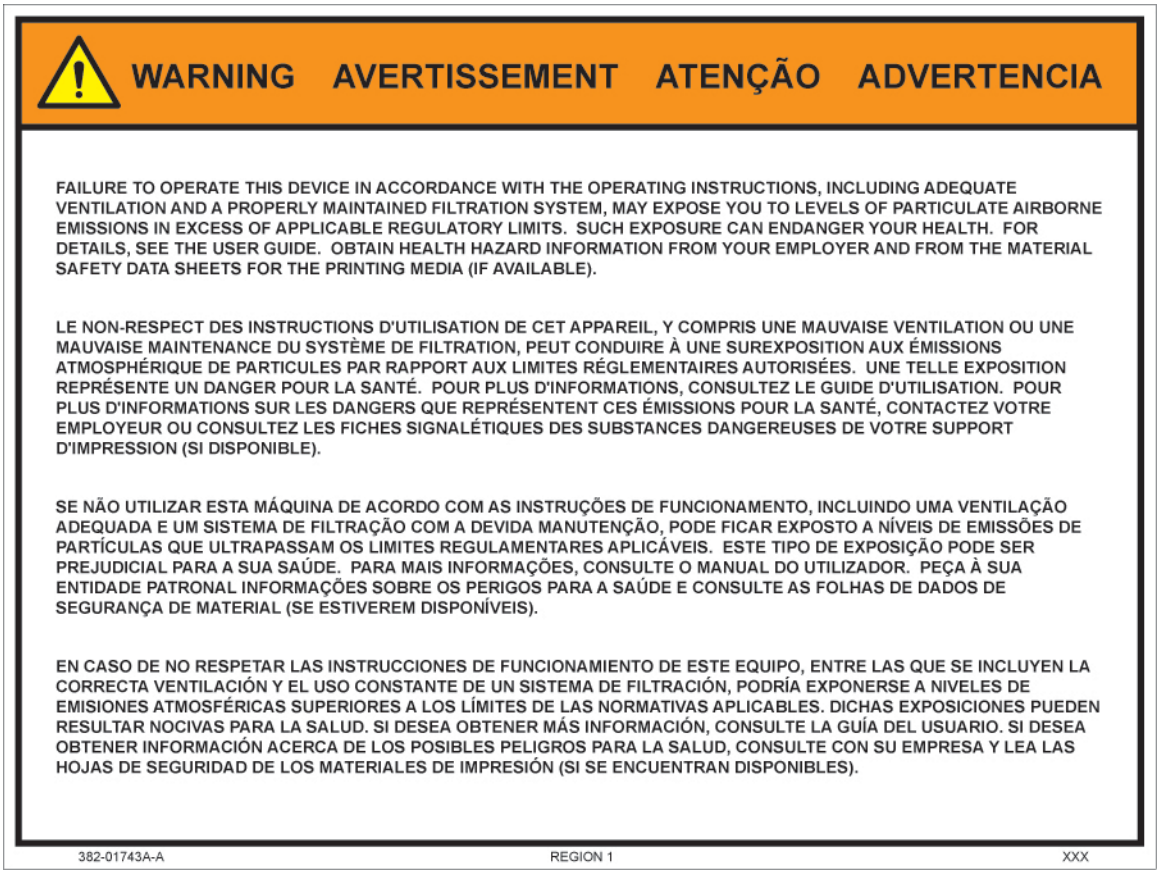


Figure 27: Particulate Airborne Emissions label

Gaseous and Particulate Airborne Emissions Label

The Gaseous and Particulate Airborne Emissions label (if applicable) warns you of the possible release of airborne emissions when imaging certain types of printing media.

Important: Do not attempt to use printing media that have not been qualified by Kodak.

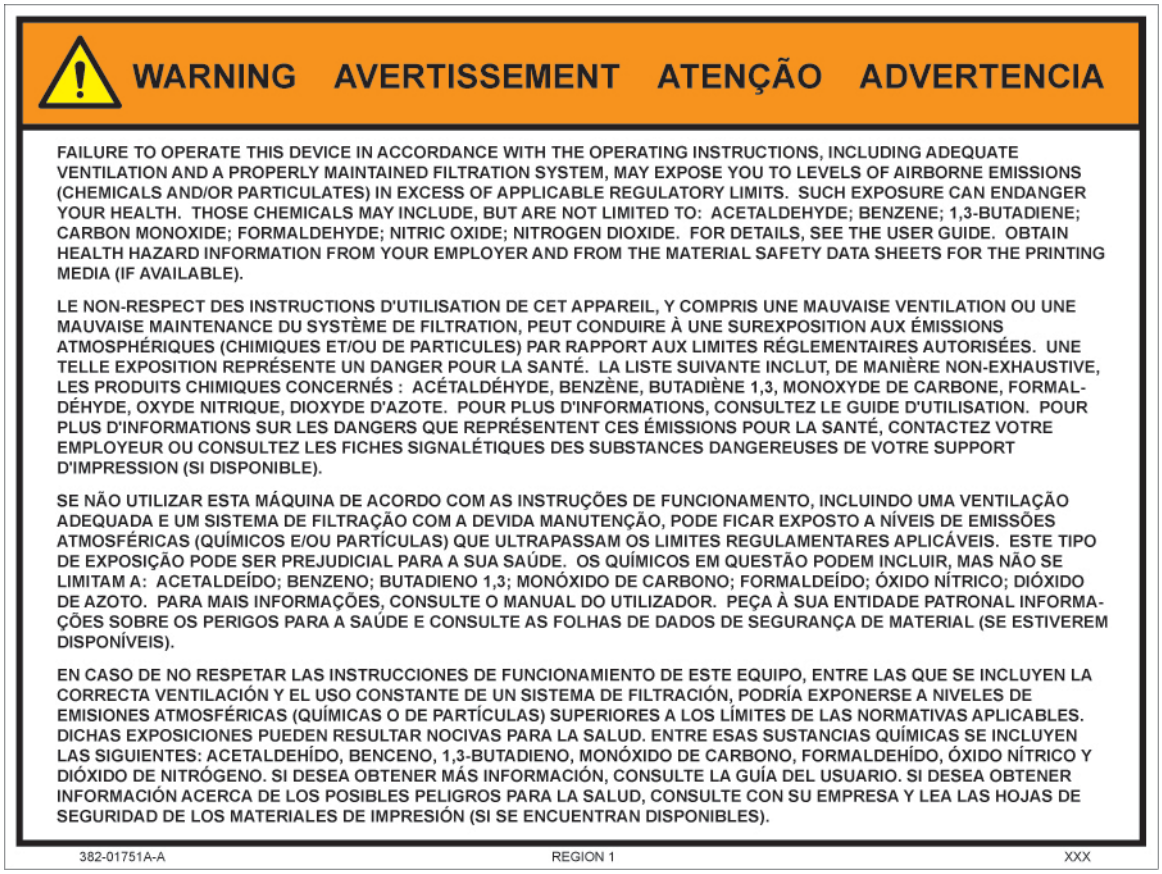


Figure 28: Gaseous and Particulate Airborne Emissions label

General Safety

Stability Caution Label

The Stability Caution label is located on the underside of the inner lid. It is visible when the cabinet lid is raised to the open position.



Figure 29: Stability Caution label

Labels Specific to the ThermoFlex Wide II Platesetter

The ThermoFlex Wide II platesetter is capable of imaging sleeves, and these are the safety labels directly related to sleeve functions.

Brake Override Label

This label is located in area 2 (Figure 5 on page 15) of the platesetter.

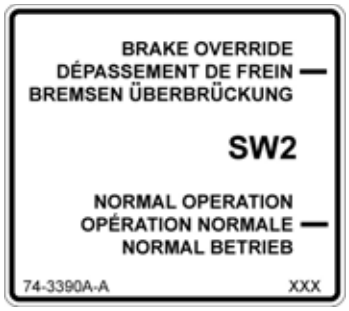


Figure 30: Brake Override label on the ThermoFlex Wide II platesetter

Translation of above label:

Brake override

Normal operation

Mandrel Air/Arbor Clamped/Camlocks Tightened Label

This label is located in area 2 (Figure 5 on page 15).

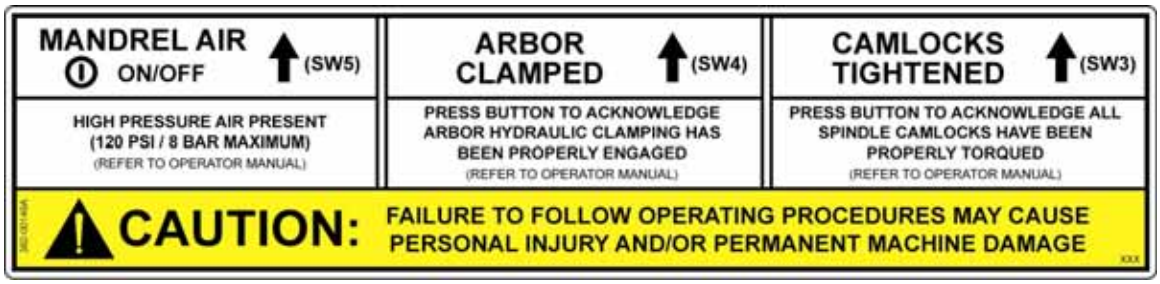


Figure 31: Mandrel Air/Arbor Clamped/Camlocks Tightened label

Translation of above label:

Mandrel air

On/off

High pressure air present (120 psi/8 bar maximum)

(refer to operator manual)

Arbor clamped

Press button to acknowledge arbor hydraulic clamping has been properly engaged

(refer to operator manual)

Camlocks tightened

Press button to acknolwedge all spindle camlocks have been properly torqued

(refer to operator manual)

Caution:

Failure to follow operating procedures may cause personal injury and/or permanent machine damage

Eye Protection Label

Air is ejected from shell holes at high pressure, and may cause operator injury. This label reminds operators to wear safety goggles when loading or unloading sleeves. The Eye Protection label is located in area 2 and 3 (Figure 5 on page 15) of the platesetter.



Figure 32: Eye Protection label

Transport Cart Labels

The use of a transport cart to move sleeves, shells and arbors is recommended when performing sleeve operations. The following are safety labels displayed on the transport cart.

Maximum Load Capacity Label

Ensure that you do not exceed the transport cart maxumim load capacity indicated in the label below.

Do not transport the arbor and shell at the same time, or you may exceed the transport cart maximum load capacity.

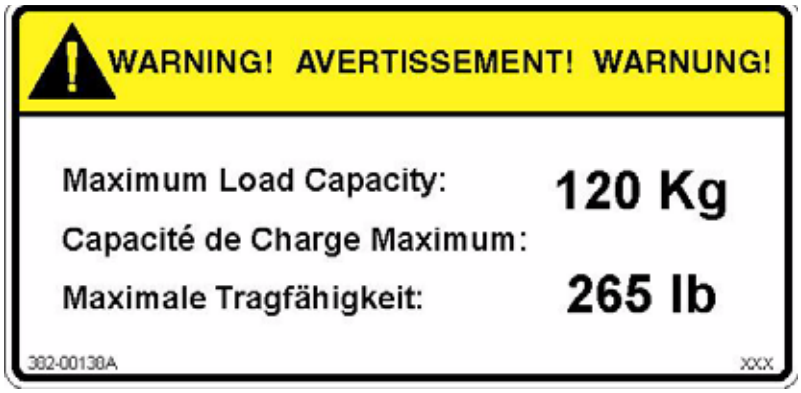


Figure 33: Maximum Load Capacity label on the transport cart

Translation of above label:

Warning

Maximum load capacity

Maximum Working Height Label

The transport cart cannot exceed the height indicated on this label when in motion, otherwise the cart and/or load may become unstable and tip over, which could result in serious injury.



Figure 34: Maximum Working Height label on the transport cart

Translation of above label:

Warning

Maximum working height

B

Regulatory Compliance

Regulatory Approval Model Designation 34
Compliance With Standards for Electrical and Mechanical Safety 34
Compliance With Standards for Laser Safety 36
Compliance With Standards for Electromagnetic Interference and Electromagnetic Compatibility 37
Compliance With Standards for Noise Emissions 37

Regulatory Approval Model Designation

ThermoFlex II is the regulatory approval model designation for the ThermoFlex Wide II platesetter. The regulatory approval model designation name appears on the dataplate label (for an example of this label, see page 17) and all regulatory approval documents.

Compliance With Standards for Electrical and Mechanical Safety

- CSA 60950-1 *Information Technology Equipment —Safety—Part 1*
- UL 60950-1 *Information Technology Equipment—Safety—Part 1*
- EN 60950-1 *Information Technology Equipment—Safety—Part 1*
- EN 60204-1 *Safety of Machinery, Electrical Equipment of Machines*

The CSA International "C CSA US" mark on the dataplate label (for an example of this label, see page 17) indicates compliance with these standards:

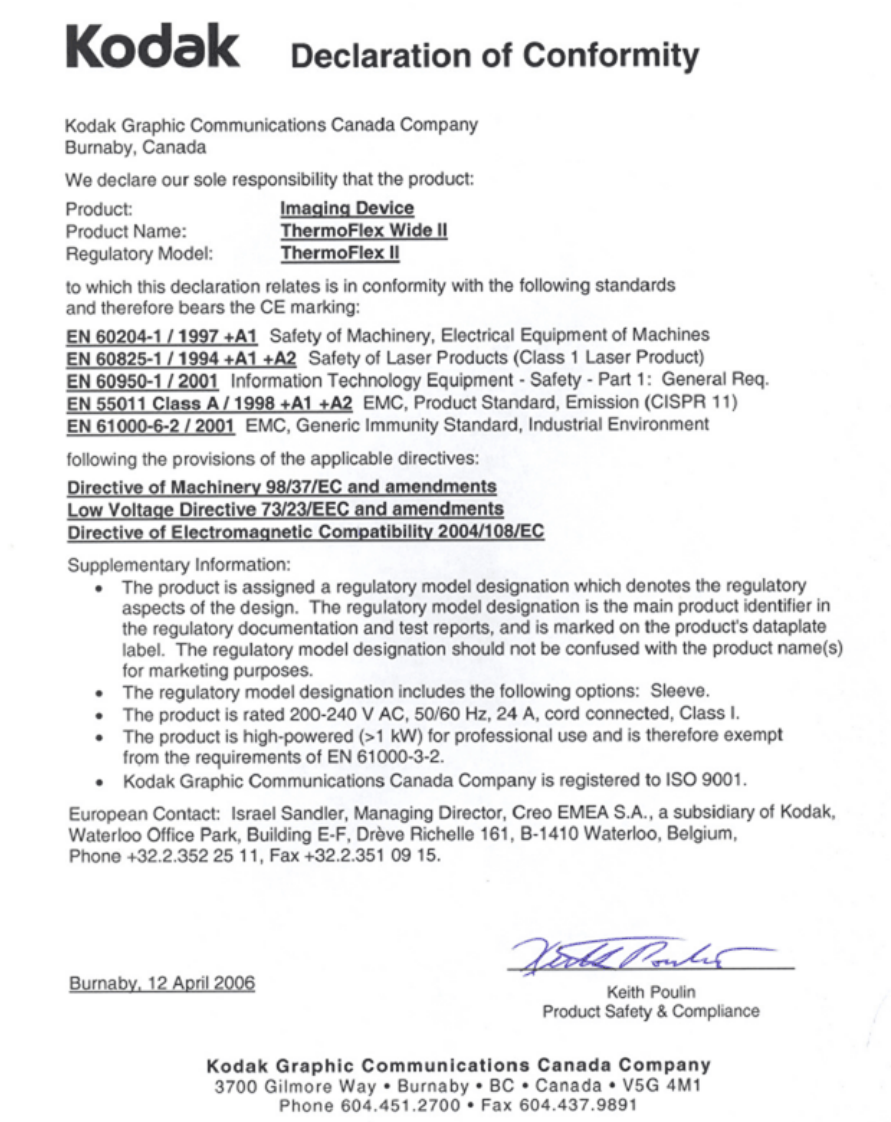
- CSA 60950-1 *Information Technology Equipment —Safety—Part 1*
- UL 60950-1 *Information Technology Equipment—Safety—Part 1*

The CE mark on the dataplate label indicates compliance with the following directives:

- Low Voltage Directive 73/23/EEC
- Directive of Machinery 98/37/EC
- Directive of Electromagnetic Compatibility 2004/108/EC

NOTICE: The maximum rated ambient temperature for the ThermoFlex Wide II platesetter is 30°C (86°F).

EC Declaration of Conformity for the Platesetter and Its Options



Kodak **Declaration of Conformity**

Kodak Graphic Communications Canada Company
Burnaby, Canada

We declare our sole responsibility that the product:

Product:	**Imaging Device**
Product Name:	**ThermoFlex Wide II**
Regulatory Model:	**ThermoFlex II**

to which this declaration relates is in conformity with the following standards and therefore bears the CE marking:

EN 60204-1 / 1997 +A1 Safety of Machinery, Electrical Equipment of Machines
EN 60825-1 / 1994 +A1 +A2 Safety of Laser Products (Class 1 Laser Product)
EN 60950-1 / 2001 Information Technology Equipment - Safety - Part 1: General Req.
EN 55011 Class A / 1998 +A1 +A2 EMC, Product Standard, Emission (CISPR 11)
EN 61000-6-2 / 2001 EMC, Generic Immunity Standard, Industrial Environment

following the provisions of the applicable directives:

Directive of Machinery 98/37/EC and amendments
Low Voltage Directive 73/23/EEC and amendments
Directive of Electromagnetic Compatibility 2004/108/EC

Supplementary Information:

- The product is assigned a regulatory model designation which denotes the regulatory aspects of the design. The regulatory model designation is the main product identifier in the regulatory documentation and test reports, and is marked on the product's dataplate label. The regulatory model designation should not be confused with the product name(s) for marketing purposes.
- The regulatory model designation includes the following options: Sleeve.
- The product is rated 200-240 V AC, 50/60 Hz, 24 A, cord connected, Class I.
- The product is high-powered (>1 kW) for professional use and is therefore exempt from the requirements of EN 61000-3-2.
- Kodak Graphic Communications Canada Company is registered to ISO 9001.

European Contact: Israel Sandler, Managing Director, Creo EMEA S.A., a subsidiary of Kodak, Waterloo Office Park, Building E-F, Drève Richelle 161, B-1410 Waterloo, Belgium, Phone +32.2.352 25 11, Fax +32.2.351 09 15.

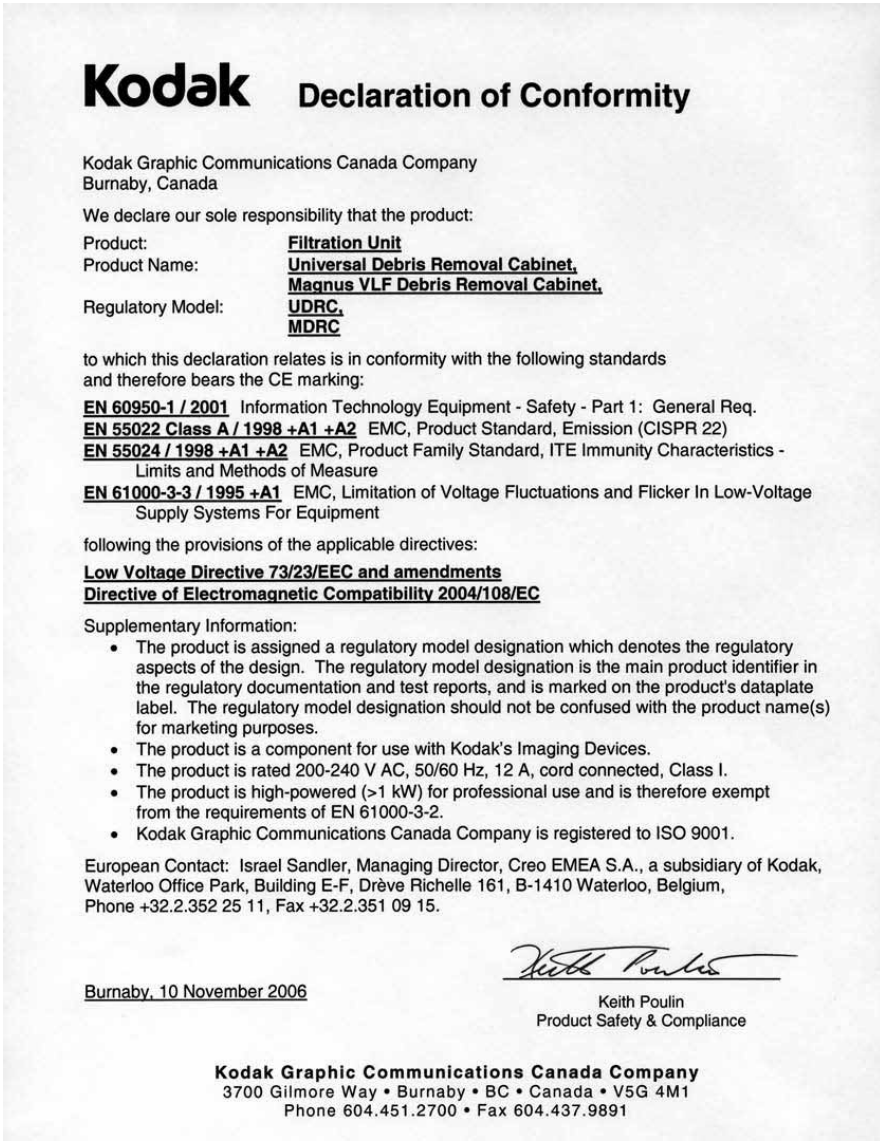
Burnaby, 12 April 2006

Keith Poulin
Product Safety & Compliance

Kodak Graphic Communications Canada Company
3700 Gilmore Way • Burnaby • BC • Canada • V5G 4M1
Phone 604.451.2700 • Fax 604.437.9891

Figure 35: EC Declaration of Conformity

EC Declaration of Conformity for the Filtration Unit



Kodak **Declaration of Conformity**

Kodak Graphic Communications Canada Company
Burnaby, Canada

We declare our sole responsibility that the product:

Product:	**Filtration Unit**
Product Name:	**Universal Debris Removal Cabinet,**
	Magnus VLF Debris Removal Cabinet,
Regulatory Model:	**UDRC,**
	MDRC

to which this declaration relates is in conformity with the following standards and therefore bears the CE marking:

EN 60950-1 / 2001 Information Technology Equipment - Safety - Part 1: General Req.
EN 55022 Class A / 1998 +A1 +A2 EMC, Product Standard, Emission (CISPR 22)
EN 55024 / 1998 +A1 +A2 EMC, Product Family Standard, ITE Immunity Characteristics - Limits and Methods of Measure
EN 61000-3-3 / 1995 +A1 EMC, Limitation of Voltage Fluctuations and Flicker In Low-Voltage Supply Systems For Equipment

following the provisions of the applicable directives:

Low Voltage Directive 73/23/EEC and amendments
Directive of Electromagnetic Compatibility 2004/108/EC

Supplementary Information:

- The product is assigned a regulatory model designation which denotes the regulatory aspects of the design. The regulatory model designation is the main product identifier in the regulatory documentation and test reports, and is marked on the product's dataplate label. The regulatory model designation should not be confused with the product name(s) for marketing purposes.
- The product is a component for use with Kodak's Imaging Devices.
- The product is rated 200-240 V AC, 50/60 Hz, 12 A, cord connected, Class I.
- The product is high-powered (>1 kW) for professional use and is therefore exempt from the requirements of EN 61000-3-2.
- Kodak Graphic Communications Canada Company is registered to ISO 9001.

European Contact: Israel Sandler, Managing Director, Creo EMEA S.A., a subsidiary of Kodak, Waterloo Office Park, Building E-F, Drève Richelle 161, B-1410 Waterloo, Belgium, Phone +32.2.352 25 11, Fax +32.2.351 09 15.

Burnaby, 10 November 2006

Keith Poulin
Product Safety & Compliance

Kodak Graphic Communications Canada Company
3700 Gilmore Way • Burnaby • BC • Canada • V5G 4M1
Phone 604.451.2700 • Fax 604.437.9891

Figure 36: EC Declaration of Conformity for the debris removal unit

Compliance With Standards for Laser Safety

The ThermoFlex Wide II platesetter has been designed, tested, and evaluated for compliance with the following laser safety standards:

- U.S. Federal Regulations 21 CFR 1040.10, in accordance with the regulations of the Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration
- EN 60825-1, *Safety of Laser Products*

The Class 1 Laser Product label on the platesetter indicates compliance with these standards. For an example of this label, see page 17.



WARNING: Use of controls or adjustments or performance of procedures other than those specified in the help system or visual reference guide may result in hazardous radiation exposure.

Compliance With Standards for Electromagnetic Interference and Electromagnetic Compatibility

Electromagnetic Interference (EMI)

The ThermoFlex Wide II platesetter has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are desigend to provide reasonable protection against harmful interference when the platesetter is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this guide, may cause harmful interference to radio communications. Operation of the platesetter in a residential area is likely to cause harmful interference. You must correct the interference at your own expense.

The FCC compliance statement label on the platesetter indicates compliance with these limits. For an example of this label, see page 18.

Electromagnetic Compatibility (EMC)

The ThermoFlex Wide II platesetter has been designed, tested, and evluated for compliance with the Directive of Electromagnetic Compatibility 2004/108/EC. It complies with the following EMC standards:

- EN 55011 / CISPR-11 Class A
- Class A EN 61000-6-2

Compliance With Standards for Noise Emissions

The ThermoFlex Wide II platesetter has been designed, tested, and evaluated for compliance with the maximum noise emission limit permitted for a light industrial environment, 80 dB(A). Noise emissions from the ThermoFlex Wide II platesetter will not exceed 76 dB(A) at one meter in a free field.

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