Site Preparation Guide

English

Lotem 800 II Family

707-00143D-EN Rev B

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Dear Customer:

Please take a few moments to read through this document.
This document provides guidelines for preparing your site for the **Lotem 800 II Family** platesetter installation.

Note: This site preparation guide applies to the Lotem 800 II platesetter, Lotem 800 II Quantum platesetter, Lotem 800 II platesetter with Spectrum, and Lotem 800 II Quantum platesetter with Spectrum. Throughout this document, unless otherwise specified, the Lotem 800 II refers to all the platesetters in the Lotem 800 II Family.

To achieve maximum reliability from your platesetter, please work together with your Creo service engineer to ensure that you have all the required details. Proper preparation of your site will help to prevent unnecessary problems and delays when installing the **Lotem 800 II** platesetter.

The following topics are discussed:

- Pre-installation checklist; the checklist summarizes, in a table format, the various topics discussed in this document. Review this checklist to ensure that you have prepared and considered all the necessary requirements.
- Floor space requirements
- Lotem 800 II platesetter site dimensions
- Weight requirements
- Electrical requirements
- UDRC Requirements
- Environmental conditions
- Other conditions
- Network/modem requirements
- Processor specifications
- Remote Support Requirements
- Front End Requirements
- Plates
- Appendix A summarizes the customer configuration requirements.
- Appendix B - Notice discusses airborne emission disclosure

A punch configuration order form is also provided in this kit:

- Punch and Plate Configuration Order form

Please be sure to fill in the form and return it to your Creo representative to ensure a quicker and more accurate installation.

Antivirus Software

Note: Creo supports and recommends that customers purchase a copy of the latest version of Symantec Antivirus Corporate Edition software. They should install it on each of their Creo CTP Systems. Creo does not sell Symantec Antivirus software, nor do we install or directly support it. We recommend that customers purchase the software from a retail vendor convenient to them. We will supply installation instructions to customers who have signed and returned the Antivirus Waiver to Creo. To find a copy of the Antivirus Waiver, customers should log onto eCentral and select **Self Support** > **Product Documentation** and type word Antivirus in the search criteria.

Pre-installation Checklist

Before the **Lotem 800 II** platesetter arrives at your site, you should prepare a final layout of the installation site and make sure that all requirements are met. The following table details the necessary pre-installation items.

	Requirement Item	Done?
1.	Adequate space according to the customer configuration – see appendix A	☐
2.	Access to and operation of the Lotem 800 II / Lotem 800 Quantum	☐
3.	Fork lift to lift the packaging and the platesetter and MCU	☐
4.	Cooling liquid	☐
Electrical requirements		
5.	Voltage settings	☐
6.	Power cable connectors	☐
7.	Power line disturbances	☐
8.	Grounding	☐
9.	Cable routing provisions, according to the distances between the equipment at your site	☐
Environmental conditions		☐
10.	Cleanliness	☐
11.	Static electricity	☐
12.	Humidity	☐
13.	Air conditioning	☐
14.	Yellow safe light (for Kodak green plate requiring preheating)	☐
15.	Thermometers and humidity meters/recorders - recommended	☐

	Requirement Item	Done?
16.	Air compressor	☐
17.	Cables for communication network	☐
18.	Telephone line	☐
19.	Operational processor/chemicals	☐
20.	Plates and proofing media	☐
21.	Storage space for plates	☐
22.	Densitometer for plates/press sheet	☐
23.	Provide Creo engineer with requested punch configuration	☐

Space Requirements

Floor Space

The minimum required floor space depends on the **Lotem 800 II** platesetter configuration at your site.

- Does the configuration include an inline processor?
- Is the platesetter connected to a plate stacker (used for collecting the exposed plates)?
- Is the platesetter part of a single, dual or multi-cassette configuration?

Please ensure to provide enough space to situate and operate your platesetter.
See the attached diagrams (at the end of this document) for detailed dimensions of the **Lotem 800 II** platesetter configuration.

Note: The Lotem 800 II / Lotem 800 II Quantum platesetter with Spectrum option is only available with the DLC or MCU configuration.

Note: It is recommended that Lotem Controller be located to the right of the platesetter, as shown in the figure.

The floor must be level, with a maximum incline or waviness of 0.635cm (+/- 0.25inch) across the footprint. It is recommended that the site be prepared for the Lotem 800 II platesetter with MCU, even if only the Lotem 800 II platesetter is initially installed.

Weight Requirements

	Weight	Dimensions
Lotem 800 platesetter	• 1100 kg (2428 lb) • 1250 kg (2755 lb) - with crate	• 2110 x 1370 x 1400 mm (83 x 54 x 55”) • 1250 x 1580 x 1580 mm (49 x 62 x 62”) - crate
Single Cassette Unit (SCU)	• 85 kg (187.4 lb) • 170 kg (374.8 lb) - with 100 8-Up 0.3 mm (12 mil) plates • 181 kg (82 lb) - crate	• 1250 x 1000 x 713 mm (50 x 39 x 28”) • 1400 x 1400 x 700 mm (55 x 55 x 2.7”) - crate
Dual-Loading Cassette (DLC)	• 100 kg (220 lb) • 170 kg (374.8 lb) - with 100 8-Up 0.3 mm (12 mil) plates • 196 kg (89 lb) - crate	• 1250 x 1240 x 713 mm (50 x 49 x 28”) • 1400 x 1400 x 700 mm (55 x 55 x 27.5”) - crate
Multi-Cassette Unit (MCU)	• 1095 kg (2414 lb) • 1520 kg (3351 lb) - with 500 8-Up 0.3 mm (12 mil) plates • 1247 kg (2749 lb) - with crate	• 1600 x 1370 x 1333 mm (63 x 54 x 52.4”) • 2050 x 1650 x 1600 mm (80 x 65 x 63”) - crate
Transformer	100 kg (220 lb)	700 x 480 x 750 mm (27.5 x 19 x 29.5”) - crate

Note: The platesetter packaging should only be lifted from one side, as depicted by the label on the packaging.
The platesetter should only be lifted from the shipping pallet at the designated locations, as depicted on the platesetter chassis.

Note: The floor must be able to support a point load of 50 kg/cm².

Optional Tools/Devices

Special requirements for **Lotem 800 II platesetter with Spectrum**:

1. Multiple metal drawer file cabinet to store proofing media (and plates, if applicable):

Plate	Size
4-up	61 x 91 cm (24 in. x 36 in.)
8-up	91 x 122 cm (36 in. x 48 in.)

   A separate drawer is required for each color donor, receiver, carrier, paper stocks & sheets.

2. Table or suitable flat surface for loading proofing media.

Note: The drawer and table are not supplied by Creo.
To prevent the media from being exposed to dust contamination, it is recommended to place the table and drawer as close as possible to the Lotem 800 II platesetter with Spectrum output device.

Electrical Requirements

General Considerations

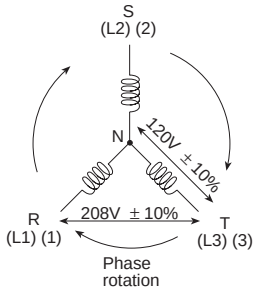
The total power consumed by your system is determined by the selected system configuration. Remember to allow sufficient margin for system expansion when calculating the required electrical capacity.

Prior to connecting the electrical power supply, ensure that all voltage settings, fuses and cords are in full accordance with local standards.

Note: Make sure the electrical requirements are met as it is vital to ensure your platesetter functions properly. Correct power supply will ensure a quicker and more accurate installation. If you have any questions about the instructions provided, please call your Creo representative.

Power Line

- Line voltage at the customer's site – 208V/120V ±10%, 3-phase (Star) 20A, 5KVA.
  The connector (male & female) to be supplied by the customer. The electrician at the customer's site should connect the three-phase R.S.T according to the three-phase sequence of the connector on the platesetter power cable. The customer should have a 5-pin connector – 3-phase R.S.T, neutral and ground, 30A for 120V line voltage (NEMA L21-30P), and 16A for 220V line voltage.



- Voltage variations of up to ±10% on all selectable voltages are acceptable. Supply frequency variations of ±2 Hz are acceptable.
- Power supply for Brisque + Lotem Controller– 120V ±10% or 220V ±10%
- Frequency – 50/60 ±2%
- For countries with a line power of 220V – a step-down transformer is used, from 346/200, 380/220 or 415/240 to 208/120V (3 phase). The transformer can be purchased from Creo. Transformer – height 550 mm (22 inch), width 320 mm (12.5 inch), length 520 mm (20.5 inch).
  The wall connector must have a 3-pole protection fuse, including a circuit breaker with high transient currents (for LV/LV transformers) for 16A per phase magnetic releases operating between 10-14 In (startup current).
- An additional isolated single phase 110V outlet is required for service purposes.
- An additional power socket is required when using the cooling system.

- An additional power socket is required for the **processor**, **pre-heat ovens**, **baking ovens**, and/or **plate stacker**. See vendor's specifications, and see *Appendix A, Table 5*.
- Power stabilizer equipment that is supplied by three uninterrupted phase wires, and one uninterrupted copper ground wire, from the main building entry service panel. These should run in the same conduit and be at least equal in size to the phase wires.

Note: Customers in North America must provide power receptacle (5 pin connector - R.S.T, neutral and ground) NEMA L21-20R, but also must add a dedicated 15A, 250V, 3 pole, branch circuit breaker. A mating plug NEMA L21-20P should be also provided to be attached to the platesetter power cord during installation.

Note: Customers in Europe must provide power receptacle (5 pin connector - R.S.T, neutral and groundD) type IEC 309 rated 16A 400V and must have 3 pole circuit breaker rated 16A, 230/400V, 10KA IEC947.2 tripping curve D. (for protection of the step down transformer).
A mating IEC 309 plug should also be provided in order for it to be attached to the step down transformer cord during installation.

For further details regarding the power line conditioner, see
http://techplanet.creo.com/output/computer_to_plate/lotem400/content/installation/UPS_req.htm.

Power Line Disturbances

The reliable operation of computer systems depends on the availability of relatively noise-free AC power.

Lighting, line faults, or power switching, commonly found in machinery or equipment in office or factory environments, can generate line transients which far exceed the peak value of the applied voltage. If not attenuated, these micro-second pulses can disrupt system operation.
The use of a power stabilizer is highly recommended in such cases.

Grounding

At 60 Hz sites, 110 VAC and 208 VAC grounds tied by AWG #1 solid copper wire to the main power ground point of the building.

At 50 Hz sites, 220 VAC and 380 VAC grounds, tied by 40 mm solid copper wire
(7 mm in diameter) to the main power ground point of the building.

Grounding requirements for the **Lotem 800 II platesetter Family**– and all equipment communicating with it – should be observed to ensure trouble-free operation.

Grounding requires the following:

- Grounding wires that are insulated and are at least equal in size to the phase conductors.
- Ground impedance less than 2 Ohms.

- A single point and dedicated ground.
- Neutral and ground are bonded together in the main building entry service panel, and a good earth ground at this point of not more than 2 Ohms impedance.
- Each system load (such as platesetter, host) is fed through an isolated ground outlet and has a separate ground, as well as neutral and phase line of equal size wire.

Note: Chained neutrals and grounds are not permissible.

Cable Protections

Preparation of proper cable protection for the cables connecting the **Lotem 800 II**, Lotem Controller, and the workflow workstation cable.

Maximum distance between the **Lotem 800 II platesetter** and Lotem Controller – 4.5 meter (13.5 feet).

Universal Debris Removal Cabinet (UDRC) Requirements

Certain printing media (plates or film) may release airborne emissions during the imaging process. Creo output devices are supplied with—or may be able to be upgraded to—a debris removal system containing a collection nozzle located on the head and a filtration unit, such as the Universal Debris Removal Cabinet (UDRC).

Warning: Emissions, either particulate or gaseous, 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 media MSDS or contact the media manufacturer or distributor directly.

The debris removal system is designed to extract and filter the airborne emissions, thus contributing to a healthier working environment, consistent image quality, and general reliability and cleanliness of the imaging device. Some types of media typically release both particulate and gaseous emissions. Other types of media, under certain imaging conditions, may release largely particulate emissions.

Warning: Filtration of airborne emissions is not 100% efficient and must be complemented by adequate outdoor air ventilation. Failure to ensure adequate ventilation may result in exposure to airborne emissions in excess of applicable regulatory limits and in possible discomfort, illness, injury, and/or disability.

The UDRC configuration may include various filter options tailored to suit specific qualified media types. The configuration for a particular customer site is typically specified in a Creo proposal, sales agreement, order form, product specification, or equivalent document.

The cabinet must be located within the cable and hose limitations.

For more information on the debris removal cabinet, please see the *UDRC Site Preparation and Requirements* document (725-00089A).

Environmental Conditions

Air Supply Requirements

The Lotem 800 II output device requires a clean, dry, *oil-free, dust-free, and moisture-free* air supply of shop air according to the table below:

Configuration	Average air consumption*	Compressor air supply*
Lotem 800 II platesetter	90 SLPM (3.18 SCFM)	170 SLPM (6.0 SCFM)
Lotem 800 II platesetter with MCU	100 SLPM (3.53 SCFM)	180 SLPM (6.36 SCFM)

* SLPM measured at 7 bar, SCFM measured at 100 psi

A standard 1/4'' BSP port female outlet connector is required. It should be mounted on the wall up to 5 m from the device.

The air supply should conform to ISO class 4.

- Maximum particle size 15 µ (0.006 in.)
- Concentration of solid contaminants: 8 mg/m^3 (0.000216 $oz./yd.^3$)
- Maximum pressure dew point 3°C @ 8 bar [37.4°F @120 psi]
- Maximum oil content 5 mg/m^3 (0.000135 $oz./yd.^3$)

Note : Do not add lubricant

Note : The temperature of the air line going from the drying device to the machine must be kept above 3° C.

Examples of typical compressed air systems that you may use:

Manufacturer	Kaeser	Atlas Copco
Compressor type	Screw	Screw
Compressor Model	SX-3	GX2-10 (50 Hz)
Air receiver (liter)	250 (or 280)	250
Dryer (230 V-AC)	TA-5	FX1
Automatic Water Drainer	ECO-21-PLUS	WD80

Cleanliness

Filters in the air conditioning system should be able to block 60% of all 10 micron dust particles.

Clean air is vital as an unclean environment can cause hotspots on your plates as well as machine malfunction.

According to IEC-721-3-3,7 Name: Mechanically active substances Class: 3S2, 7S1

Severity: Sand 30 mg/m^3

Dust (suspension) 0.2 mg/m^3

Dust (sedimentation) 1.5 mg / (m^2 X h)

Static Electricity

Humidity must be 55% ±5% to reduce the static electricity with the plates (low humidity can cause plate and paper jamming). See *Humidity* for more details.

Use of floor carpeting is not recommended in the **Lotem 800 II platesetter** area. If carpets are used, only anti-static carpets should be installed at the site. The carpet thickness should be up to 0.5 inch (12 mm).

Humidity

An industrial steam humidifier is required to sufficiently meet the humidity specified for the area in which the platesetter resides (relative humidity of 55% ±5%).

Note: All plates are sensitive to static electricity that may cause double feeding and jamming if the humidity is out of range.

Ventilation

No filtration can be 100% efficient (for example, carbon monoxide is not captured by Creo filters). That is why outdoor air ventilation is required with the debris removal system. Air exhaust vents (where air is drawn out of the room) should be located as close to the debris removal cabinet and output device as possible.

The Lotem 800 II platesetter requires a minimum of 1.1 m^3/ min (40 cfm)[1] outdoor air ventilation. This air ventilation prevents the accumulation of airborne emissions that may be released when certain media are exposed .[2]

Outdoor air ventilation must not be confused with air circulation in the room that results from temperature control or humidity control. Outdoor air ventilation may be roughly estimated to be 10% to 30% of the air circulation rate in the room. To achieve adequate air mixing, Creo recommends at least 3 ACH (air changes per hour).

These recommendations apply to a single device with no other equipment in the room. Other imaging equipment, processors, ovens, HVAC systems, and so on, may contribute additional emissions to the work environment, increasing the amount of outdoor air ventilation required.

The customer is responsible for assessing the level of airborne emissions in the room to ensure that, upon installation of the Lotem 800 II, the requirements of local, state, provincial, regional, and national regulations for occupational health and safety are satisfied. In the event of any uncertainty about the levels of airborne emissions, the customer should arrange for an indoor air quality assessment to be conducted by a qualified industrial hygienist.

[1] This is a default value. Certain media may require higher ventilation; to check the recommended value for specific media, please see the CTP Media Imaging Performance Database (available from your Creo representative), where it will be specified if different from default.

[2] Information on the hazardous compounds released by a particular media during imaging should be available from the media manufacturer's Material Safety Data Sheet or equivalent document.

Air Conditioning

Sufficient air conditioning should be present to provide heat dissipation for the platesetter, **plus** all additional equipment residing in the system room, and an additional minimum 25% safety margin.

The platesetter requires a constant temperature of 25°C ±5°C (77°F ±9°F). In a working area with 27° or higher, a chiller system is required.

To calculate the air conditioning requirements for the Lotem 800 II platesetter configuration at your site [in BTU/hour and in Watts]: see the tables that follow:

Basic configuration:

Platesetter	14,000 BTU/hour or 4100 Watts
Host	2,500 BTU/hour or 730 Watts
Other Misc.	1,500 BTU/hour or 440 Watts
Safety margin (25% of above)	6,250 BTU/hour or 1800 Watts
Total	24,250 BTU/hour or 7100 Watts

Additional optional devices
(fill in as required - see *Appendix A, Table 5* for a complete site configuration):

Pre-heat convection oven	BTU/hour or Watts
Plate processor	BTU/hour or Watts
Post-bake oven	BTU/hour or Watts

Bake conveyor	BTU/hour or Watts
Rinse/Gum unit	BTU/hour or Watts
Plate stacker	BTU/hour or Watts
Safety margin	BTU/hour or Watts
Total of Basic (previous)	24,250 BTU/hour or 7100 Watts

Note the following guidelines:

It is recommended that the airflow in the system room be maintained above the normal air pressure, in order to prevent dust from entering the room.

The system room should ideally contain both a thermometer and a hygrometer, permanently mounted in a central location.

In addition, it is highly recommended that you have a humidity and temperature recorder.

Processor Specification

The processor specifications may vary and depend on the specific processor used at the customer's site. The processor vendor should provide the relevant information.

Machine with the Spectrum option: laminator specifications depend on the type of media used. The laminator vendor should provide the relevant information.

Plates

The Lotem 800 II platesetter supports thermal plates that are sensitive to IR 830 nm wavelength.

Note: All plates are sensitive to static electricity that may cause double feeding and jamming if the humidity is out of range.

Storage room for plates; please consult the plate vendor for the recommended humidity and temperature ranges in which the plates should be stored.

Consult your vendor regarding a plate densitometer that is adequate for thermal media.

Other Conditions

Some plates, such as Kodak DITP, are sensitive to UV light. When such plates are used and the **Lotem 800 II platesetter** is directly connected to the plate stacker, you need to use an appropriate safe light.

Telephone or Broadband Internet Link

The customer must maintain either a “direct dial” analog telephone line that is dedicated to the workstation (no other devices sharing this line) or a broadband Internet connection for use with Creo remote support. The customer should also provide a separate voice phone line to the Lotem 800 II platesetter location for communication with Creo Customer Service Engineers during remote support.

Note: Remote dial-in support to the Lotem 800 II platesetter is dependent upon a dedicated, direct dial-in telephone line. Creo can only offer remote support to devices that do not share telephone lines with other equipment or are accessible by a broadband Internet connection.

Network Requirements

A total of four TCP/IP addresses must be provided for each Lotem 800 II:

- One Local Area Network (LAN) connection to the output device for supplying files from the workstation.
- Three consecutive static TCP/IP addresses for the output device to workstation PC connection.
  - One for the workstation end of the PPP connection
  - One for the MCE (master control electronics) end of the PPP connection
  - One for the RAS (remote access services) connection

Important: The customer must ensure that these three addresses are removed from the available addresses in the DHCP pool.

Front End Requirements

- For Prinergy: 22-0193B: direct connectivity software for Lotem 800 Quantum, Lotem 800 II, Lotem 800 with Spectrum, and Lotem 800 II platesetter with Spectrum-includes a 15 meter cable, SCSI LVD board, and CD-ROM
- For Brisque: a 30 meter TSP cable is required.

Appendix A - Customer Configuration Requirements

The customer is fully responsible for contacting the vendors and obtaining all the necessary installation information.

Table 4 - Space Requirement

To calculate the total length requirements of your site, please fill out the Customer configuration length column in the table below. This column should reflect the configuration of the devices that you are adding to the **Lotem 800 II platesetter** configuration.

Note: Additional floor space is required for the optional debris removal and the cooling system.

Mark here	Device	Length (for reference only)	Customer config. length
✓	Sufficient space for loading cassette	1000 mm (39 in.)	1000 mm (39 in.)
✓	Lotem 800 II platesetter	1370 mm (53 in.)	1370 mm (53 in.)
	Dual Loading Cassette (DLC)	Requires 1240 cm extra	
	Multi Cassette Unit (MCU)	See site configuration	
	Debris Removal	510 mm (20 in.)	
	Creo Plate conveyor	1200 mm (47”)	
	Pre-heat convection oven	See vendor’s specifications	
	Plate processor	See vendor’s specifications	
	Bake oven	See vendor’s specifications	
	Bake conveyor	See vendor’s specifications	
	Rinse/Gum unit	See vendor’s specifications	
	Plate stacker	See vendor’s specifications	
		Total ☛	

Table 5 - Power Requirements

Table 5 is for reference purposes only. To prepare your site, please contact your vendor and obtain all the necessary information. Then fill in the necessary values in the customer config. columns.

Mark here	Device	Power Requirement		Heat Dissipation (in BTU/hour)	
		ref values	customer config.	ref values	customer config.
✓	Lotem 800 II	110V, 3 phase 6KW		14,000 BTU/ hour 4100 Watts	
✓	Cooling Unit	110V-220, one phase		4100 BTU/ hour 1200 Watts	
✓	Workflow workstation + Lotem Controller	110V - 220V, one phase		2,500 BTU/ hour 730 Watts	
	Debris Removal			TBD	
	Pre-heat convection oven	See vendor's specifications		See vendor's specifications	
	Plate processor	See vendor's specifications		See vendor's specifications	
	Bake oven	See vendor's specifications		See vendor's specifications	
	Bake conveyor	See vendor's specifications		See vendor's specifications	
	Rinse/Gum unit	See vendor's specifications		See vendor's specifications	
	Plate stacker	See vendor's specifications		See vendor's specifications	
			Total ☛		

Appendix B - Notice

The imaging of some media may result in airborne emissions. This Notice is intended to provide general information relating to these emissions only. For information specific to particular media, please see the media manufacturer's MSDS or other documentation.

The by-products of the imaging of printing media may include one or more of: aldehydes (formaldehyde, acetaldehyde); oxides (nitrogen dioxide, nitric oxide, carbon monoxide); volatile organic compounds and olefins (benzene, 1,3-butadiene); other gaseous compounds (hydrogen cyanide, etc.); and particulate matter (dust). This list is not comprehensive, and other compounds may be present in the emissions, depending on particular media.

To help prevent contamination and to improve reliability of imaging, the Creo output device may include a debris removal system containing a filtration unit, either internal or external (e.g., a Universal Debris Removal Cabinet), corresponding to qualified media used at a particular site. Depending on the configuration of the filtration unit, the unit may trap dust only (e.g., UDRC-BP), or it may trap dust and a number of gaseous by-products of the imaging process (e.g., UDRC - LC). It is critical to change the filters in the filtration unit on a regular basis.

Not all emissions can be efficiently captured by filtration. Sufficient outdoor air ventilation must be provided in rooms where Creo output devices and filtration units are located. The requirements to ventilation rate are contained in either Output Device Site Preparations & Requirements Document or another applicable document.

Creo cannot assure occupational safety under all operational conditions because of factors that are outside the control or knowledge of Creo. These factors include, but are not limited to:

- Inadequate air ventilation or poor air mixing in the imaging room, which may cause higher than expected emissions concentrations in all or parts of the room
- Imaging of media that were not qualified or pre-approved by Creo; in particular, media not qualified for use with a debris removal system or a filtration unit specified in the Creo Sales Agreement, Customer Agreement, Order Form, Service Agreement, Output Device Configuration, or similar applicable document
- Changes to the qualified printing media formulation or manufacturing process made by the media manufacturer after qualification, resulting in emissions changes (this may cause different or greater emissions than expected)
- Incorrect or incomplete specification of potential emissions to Creo by the media manufacturer, which may cause different or greater emissions than expected
- Combined action of airborne emissions from multiple compounds, which may – through cumulative or synergistic effects – cause greater than expected effects on human health
- Airborne emissions from other sources combining with the imaging system's emissions to exceed occupational health regulations or having cumulative effects on human health greater than those expected for individual emissions

- Variation in individual sensitivity to airborne emissions that may cause greater effects in susceptible individuals
- Tampering with, misuse, or incorrect maintenance of imaging equipment or emissions safety systems, which may cause additional emissions to occur
- Non-compliance with instructions in user guides, warning labels, site preparation or other Creo documents which may cause excessive emissions levels
- Changes in occupational health regulations or industrial hygiene practices that may result in a system that is considered safe upon original installation, but is found to be unsafe at a later date.

Because of variables such as those listed above, many of which are in the control of the end user or the media manufacturers, Creo cannot warrant that, under all imaging system installations and operating conditions, including the use of a filtration unit, and with all media types, media will not release emissions while being imaged that an operator or other persons may find objectionable or may claim to be injurious. CREO'S ONLY WARRANTY AND LIABILITY, IF ANY, SHALL BE AS PROVIDED UNDER ITS STANDARD TERMS OF SALE OR CUSTOMER AGREEMENT, AS APPLICABLE. Neither this Notice nor the Site Preparations and Requirements Document or other similar document is a promise or guarantee of a particular level of performance, and neither this Notice nor the Site Preparations and Requirements Document or other similar document is a warranty of any kind whatsoever. It is the end user’s responsibility to ensure continuing compliance with all Occupational Health & Safety regulations and guidelines in its work environment.