Site Preparation Guide

English

ThermoFlex Mid

731-00302B-EN

www.creo.com

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ThermoFlex Mid Site Preparation Guide

Introduction

Please take a few moments to read through this document. It provides guidelines for preparing your site for the **ThermoFlex Mid** installation.

Your Creo service engineer will help you to ensure that your site meets all the requirements. Proper preparation will help to prevent unnecessary problems and delays when installing the device.

The following topics are discussed:

- Device configuration
- Floor space requirements
- Device dimensions
- Weight requirements
- Electrical requirements
- Debris removal system requirements
- Environmental conditions
- Ventilation requirements
- Network/modem requirements
- Processor specifications

With your Creo service engineer, complete the *Site Inspection Checklist* in Appendix B.

Tools Needed

- Dotmeter
- Measuring tape—15 m (50 ft.)

Antivirus



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

Equipment Overview



The device consists of the following standard components:

- Plate recording output device
- Debris removal system[1]

1.The debris removal system consists of a vacuum pump and filtration system for removing debris from exposed media. Refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.

Options

- ❒ External venting for debris removal
- ❒ V-speed

Size and Weight

Table 1 shows the maximum dimensions and weight of the ThermoFlex Mid components. The measurements are taken facing the ThermoFlex Mid system, with the panels installed. Width is in the x-axis direction. Depth is in the y-axis direction.

For measurements of the crates as shipped, see Table 6 on page 17.

Table 1: Size and weight of ThermoFlex Mid device

Device	Width	Depth	Height	Weight
Base unit	2110 mm (83in.)	1370 mm (54 in.)	1400 mm (55 in.)	1100 kg (2350 lb.)
Debris removal cabinet	Refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.			
Workstation	Varies with configuration			
Optional Equipment				
UDRC External venting	Refer to the *External Venting Upgrade for UDRC* document (part number 709-00211A-B-PR01)			

Cables, Connectors, and Receptacles

Tables 2–4 list the supplied and required cables and connectors for the output device. Table 5 on page 6 lists the power/air connections.

Table 2: Cables and Interconnects—North America

Cables	Supplied by Creo	Supplied by customer[a]
Output device main power	none	One 3Ph outlet - 208V/120VAC ±10%, 3 phase (Star) 20A. Frequency – 50/60 ±2%.
Workstation power	Refer to the Brisque or Prinergy Installation Procedures.	
Debris removal cabinet power	Refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.	
Telephone line	Modem and serial cable. Modem power supply can be plugged into UPS.	Dedicated telephone line and RJ-11 cable to plug into modem (must be long enough to reach workstation)

a. The tolerances for input voltages are +6%, –10%. The specification for the frequency is 50/60Hz ±1.5%. Branch circuits should have time delay type circuit breakers to avoid nuisance tripping caused by inrush currents. For details, see *Electrical* on page 9.

Table 3: Cables and Interconnects—Europe, Australia and S.E. Asia

Cables	Supplied by Creo	Supplied by customer[a]
Output device main power	none	One 3Ph outlet - 208V/120VAC ±10%, 3 phase (Star) 20A. Frequency – 50/60 ±2%.
Workstation power	Refer to the Brisque or Prinergy Installation Procedures.	
Debris removal cabinet power	Refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.	
Telephone line	Serial cable for modem	Modem, dedicated telephone line, and telephone cable long enough to reach workstation. Also requires separate AC power source (UPS provided only with IEC type 320 outlet receptacles).

a. The tolerances for input voltages are +6%, –10%. The specification for the frequency is 50/60Hz ±1.5%. Branch circuits should have time delay type circuit breakers to avoid nuisance tripping caused by inrush currents. For details, refer to *Electrical* on page 9.

Table 4: Cables and interconnects—Japan

Cables	Supplied by Creo	Supplied by customer[a]
Output device main power (attached to either the Single Cassette Unit or Multiple Cassette Unit)	none	One 3Ph outlet - 208V/120VAC ±10%, 3 phase (Star) 20A. Frequency – 50/60 ±2%.
Workstation power	Refer to the Brisque or Prinergy Installation Procedures.	
Debris removal cabinet power	Refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.	
Telephone line	Serial cable for modem.	Modem, dedicated telephone line, and telephone cable long enough to reach workstation. Also requires separate AC power source (UPS provided only with 5-15R receptacles).

a. The tolerances for input voltages are +6%, –10%. The specification for the frequency is 50/60Hz ±1.5%. Branch circuits should have time delay type circuit breakers to avoid nuisance tripping caused by inrush currents. For details, refer to *Electrical* on page 9.

Table 5: Air and network connections

Other connections	Supplied by Creo	Supplied by customer[a]
Network connection (for connecting to the workflow)	Ethernet: 100 Base-T (RJ-45)	Network connection and cable long enough to reach workstation.
	FDDI: Duplex SC	

a. For the location of the air supply, see *Footprint and Working Area* on page 7. For further details *Network* on page 15.

Site Requirements

Footprint and Working Area

Ask your service representative to refer to Tech Planet for the recommended work area and dimensions for your specific ThermoFlex Mid configuration.

Allow a recommended minimum 1800 mm (70.87 in.) at the front of device, and 1000 mm (39 in.) at the sides of device for operator access.

Provided an area close to the device for storing media (for immediate use), disks, paperwork, and so on.

Debris Removal Cabinet

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, refer to 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 room 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 refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.

Environmental Conditions

Install the system in a clean prepress area wherever possible. It is not advisable to install the device in a pressroom environment.

The operating environment for the ThermoFlex Mid device must be:

Temperature 70°–25°C (68°–77°F)

Humidity 55%–+-5% RH, non-condensing



Note: Some media types may restrict the operating environment of the ThermoFlex Mid system. Consult the media manufacturer for their recommended temperature and humidity ranges for plate operation and storage.

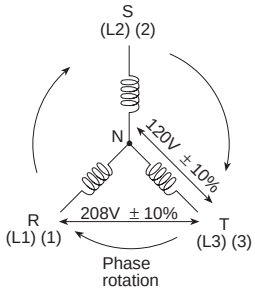
For the UDRC operating environment, please refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.

Floors

The floor must be level and not subject to high levels of vibration. If the customer site is close to heavy car or rail traffic routes, or is near an industrial site, the device may be exposed to high levels of vibration through the floor.

Electrical

The electrician at customer's site should connect the 3Ph R.S.T according to the 3Ph sequence of the connector on platesetter power cable. Outlet plug should have a 5-pin connector (3Ph R.S.T, neutral & GND), 30A for 120V line voltage (NEMA L21-30P).



For countries with a line power of 220VAC – a step-down transformer is used, from 346/200, 380/220 or 415/240 to 208/120V (3Ph). Wall connector must have a 3-pole protection fuse circuit breaker with high transient currents (for LV/LV transformers) for 16A magnetic releases operating between 10-14 In (startup current). Transformer – height 550 mm (22 inch), width 320 mm (12.5 inch), length 520 mm (20.5 inch).

The dedicated branch circuit for the following components must be supplied from the same AC supply panel to ensure that both branch circuits are at the same ground potential:

- Output device main power
- Workstation main power
- Debris removal main power
- External venting main power

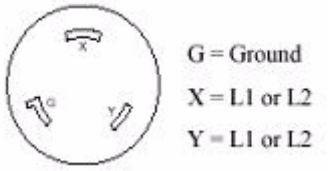


Figure 1: L6-15p plug



Figure 2: IEC320 Type C20 appliance inlet

Power Quality

Before installing the device, a power monitor should be placed at the site to measure power quality for one week[1]. If the power quality at the customer site is outside Creo specifications (+6%/–10%), the customer should purchase a line conditioner for the ThermoFlex Mid circuit from a local Sola/Hevi-Duti supplier. The Sola/Hevi-Duty MCR Hardwired 3000 VA series line conditioner provides adequate protection for any ThermoFlex device. Outside North America, contact your local product support specialist.

If there are concerns about power quality (blackouts or brownouts) at the customer site, an online uninterruptible power supply (UPS) device can be ordered directly from a local supplier. A UPS is designed to allow the correct and complete shutdown of the device, as opposed to a line conditioner that is designed to allow the device to function for extended periods of time where the power conditions may be outside of the ThermoFlex specifications.

UPS specifications are available from the supplier.

Special Precautions

The plug(s) on the power cord(s) of the workstation are intended to be the disconnect device. Therefore, the branch circuit receptacle(s) must be installed near the workstation and be easily accessible.

Heat Output

The nominal heat output of the output device itself is 22,250-26,250 BTU/hr.

The UDRC dissipates heat at a maximum rate of 1500 W (5125 BTU/hr.).

The Fuchs Filtering device dissipates heat at a maximum rate of 1300 W (4436,86 BTU/hr.).

The heating, ventilation and air-conditioning (HVAC) system serving the room in which the UDRC or Fuchs filtering device is installed must be able to accommodate the additional heat load.

Power Line Voltage/Frequency

Line voltage at the customer site must remain within +6%/–10% of the ThermoFlex Mid rated voltage of 200 V–240 V, or between 180V and 254 V. The frequency is 50/60 Hz ±1.5%.

The electrician at the customer site should install the correct outlet to provide power to the device. The device must be powered from a different line than the workstation. Tolerances for the specified input voltages require balanced power inputs (L1–G=L2–G, or L1G=L1–N).

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1. Creo America has a contract with Rx Monitoring Services in Manchester, NH to provide power and environmental site surveys for the NAFTA region. The monitoring service includes voltage, current, temperature, humidity, dust and air pressure. Rx Monitoring Services will provide the equipment to be installed at the customer site for a maximum of 10 days. They will then monitor it and send a report via e-mail. Outside North America, contact your local product support specialist.

Power connectors must be of the locking type in North America and Industrial type B in Europe, due to the high leakage current of the equipment. Frequency is 50/60Hz ±1.5%.

Power Line Disturbances

The reliable operation of computer systems depends on the availability of relatively noise-free AC power. Lightning, line faults, or power switching commonly found in machinery, office equipment, and factory environments, can generate line transients that far exceed the peak value of the applied voltage. If not attenuated, these microsecond pulses can disrupt system operation. The power line to the machine should be run away from electrically noisy power cables. If power line disturbances are affecting the operation of the machine, the use of a power stabilizer is highly recommended.

Dips in power should not exceed 30% of nominal voltage, having maximal duration of 10 ms. Fast transient disturbances on the power line should not exceed 1.0 kV.

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 40^2 mm solid copper wire (7 mm in diameter) to the main power ground point of the building.

Grounding requirements for ThermoFlex Mid platesetter – and all equipment communicating with it – should be observed to ensure trouble-free operation.

Grounding requires the following:

- Grounding wires that are insulated and at least equal in size to the phase conductors.
- Ground impedance less than 2 Ohms.
- A single point and dedicated ground.
- Power stabilizer equipment that is supplied by three (3) 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.
- 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 (for example, platesetter) 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 permitted.

Cleanliness

- According to BS 5295
- Not including gases, vapors, aerosols, microorganisms
- Regular atmospheric air contains 3 X 10^8 particles/M^3 (characteristic value)

Class M workspace				
Maximum quantity [per cubic meter	2000000+	450000	500000	(0)
Particles size [micron]	5	10	25	(>25)

Static Electricity

- Humidity must be 55% ±5% to reduce the static electricity with the plates. See *Humidity* below.
- Use of floor carpeting is not recommended in ThermoFlex Mid platesetter area. If carpets are used, only anti-static carpets should be installed at the site. Carpet thickness should be up to 0.5 inch (12 mm).

Humidity

The platesetter requires relative humidity of 55% ±5%.
An industrial steam humidifier can be used to meet specified humidity.

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. Ensure that the ventilation system can circulate the entire volume of air in the room 16 times per hour.

The platesetter requires a constant temperature of 23×C ±2×C (73.5×F ±3×F).

The calculated air conditioning requirements for the platesetter (in BTU/hour) are shown in below table.

Platesetter	12,000-16,000 BTU/hour
Host	2,500 BTU/hour
Debris removal system	4,800 BTU/hour
Other Misc.	1,500 BTU/hour
Safety margin (25% of above)	6,250 BTU/hour
Total	27,050-31,050 BTU/hour

Please note the following guidelines:

- It is recommended that the positive pressure in the system room be maintained above normal air pressure, 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.

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 ThermoFlex Mid device 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 imaged .[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 ThermoFlex Mid, 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.

External Venting for UDRC



Refer to the *UDRC Site Preparation and Requirements* document, part number 725-00089A.

1. This is a default value. Certain media may require higher ventilation; to check the recommended value for specific media, please refer to 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.

Telephone Link

The customer must maintain a “direct dial” analog telephone line that is dedicated to the workstation (no other devices sharing this line) for use with Creo dial-in support. See Tables 2–4 for the required phone jack connector. The customer should also provide a separate voice phone line to the output device location for communication with Creo service representatives during dial-in support.



Note: Remote dial-in support to the output device is dependent upon a dedicated, direct dial-in telephone line. Creo can only offer remote support to machines that do not share telephone lines with other equipment.

Network

The customer must provide a Local Area Network (LAN) to the output device for supplying files from the workstation.

Media and Processor(s)

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.

Shipment and Delivery

Responsibilities

It is the customer's responsibility to provide Creo with delivery instructions. The customer is responsible for transporting all the shipping crates to the installation location and for unloading the shipping crates, but must not unpack them. Creo recommends that the customer use professional riggers to unload the crates. Dock level is required (a vertical distance from ground to dock of 1.2 m (4 ft.), and the ability to handle a 15.9m (53 ft.) trailer.

Creo engineers will unpack the shipping crates and install the device.

Forklift

The customer must provide a forklift or crane with a minimum 1,365kg (3,000 lb) capacity for unloading of the equipment. The width of the forks must not exceed 15cm (6 in.) and the span should be 51cm (20 in.).

Doors and Hallways

The customer must provide free access through doors and hallways from the entrance to the ThermoFlex Mid location so that the whole pallets can be transported to the installation location. Creo recommends that the customer furnish a drawing of the route. See *Shipping Crates* on page 17 for maximum crate dimensions.

Once the components are uncrated, they may be moved through smaller doorways. See Table 1 on page 4 for dimensions of individual components.



Note: Walk the entire route from the loading dock to the installation area. Measure all doorways, openings and aisles to ensure that there is adequate space to move all of the components safely.

Shipping Crates

The output device is normally shipped in 4–5 crates, depending on the options ordered. Table 6 lists the individual dimensions (L x W x H) and weights of air-shipped crates.

Table 6: Dimensions and weights of crates (air shipment)

Crate Contents	Length	Width	Height	Weight
ThermoFlex Mid output device	2250 mm (88.58 in.)	1560 mm (61.42n.)	1610 mm (63.39in.)	1145 kg (2524 lb.)
Workstation	Varies with configuration			
Debris removal cabinet	Refer to the *UDRC Site Preparation and Requirements* document (part number 725-00089A) or the *Fuchs Filtering Device Type MKF 105 Operating Instructions* document.			

A 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 refer to 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, and so on); 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 (for example, 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 (for example, UDRC-BP), or it may trap dust and a number of gaseous by-products of the imaging process (for example, 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 the output device *Site Preparations and 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 of, 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 and Safety regulations and guidelines in its work environment.

B

Site Inspection Checklist

Full completion of this checklist will greatly assist in building, delivering, and installing the ThermoFlex Mid and all its accessories.

Site Information

Company name: _____

Site address:

Shipping address:

Directions to site:

Nearest airport:

Local hotels:

Local restaurants:

Contact Information

Contact name: _____

Position: _____

Telephone/fax: _____

E-mail: _____

Prepress manager: _____

Maintenance manager: _____

Network manager: _____

Device operators: _____

_____

_____

_____

General background and computer skills of operators:



Note: All operators must be capable of running a personal computer with a Microsoft® Windows® operating system. If there are more than four operators to be trained, an extra day will be required after the installation.

Machine Usage

Number of shifts per day: _____

Shift 1 hours: _____

Shift 2 hours: _____

Shift 3 hours: _____

Shift 4 hours: _____

Media Supported

List all plate types and sizes to be used for each device.

Measurements are in:

☐ mm ☐ in.

Media type[a, b]	Plate size	Average # of plates per day	Average length of press run	Type of work (4-color; spot color; halftones; text only)

a. Creo-approved media only. Imaging speed can be affected if media sensitivity or processing is inconsistent with Creo's qualification testing. See your Creo representative for specific media information.

b. Some plates may restrict the operating environment of the system. Consult the plate manufacturer for their recommended temperature and humidity ranges for plate operation and storage.

Is a plate punch to be used?

☐ Yes ☐ No

Punch name and model: _____

Installation date: _____

Comments on punch condition:

Press(es) Supported

Press name and model: _____

Processor Supported

Processor name and model: _____

Delivery date: _____

Has the customer met the power and plumbing requirements for the processor?

☐ Yes ☐ No

Comments:

Other Creo Equipment On Site

Are any other Creo products already installed?

☐ Yes ☐ No

Comments:

Will Creo be installing other new equipment during the installation of the ThermoFlex Mid?

☐ Yes ☐ No

If yes, what will be installed?	When?	Who at Creo is doing the install?

Other Non-Creo Equipment in Prepress Room

Are any other non-Creo products already installed in the prepress room?

☐ Yes ☐ No

Comments:

Planned Installations Nearby

Will any other new equipment be installed in the vicinity of the device (for example, a processing line)?

☐ Yes ☐ No

If yes, what will be installed?	When?	Who is doing the install?

Type of workstation ordered: _____

Type of workflow ordered: _____

Configuration

Which autoloader options were ordered?

- ☐ Magnetic drum
- ☐ External venting
- ☐ V-speed

Site Requirements



Note: Install the device in a clean prepress area.

1. Is there sufficient area for the device? Measure the available space at the site location.

   ☐ Yes ☐ No

   Comments:

2. Is the working area free from support beams or other obstacles?

   ☐ Yes ☐ No

   Comments:

3. Is the customer aware that they are responsible for transport of shipping crates from their shipping dock to the installation area?

   ☐ Yes ☐ No

4. Does the forklift to be used meet requirements? (See *Forklift* on page 16.)

   ☐ Yes ☐ No

5. Do the doors and hallways between the shipping dock and the installation have sufficient area to allow passage of the shipping crates? (See *Doors and Hallways* on page 16.)

   ☐ Yes ☐ No

Comments:

6. Can the receiving area accommodate a typical air ride truck—that is, does it have dock level? (See *Shipment and Delivery* on page 16.)

☐ Yes ☐ No

Comments:

7. What is the expected range of temperature that the device will be used in?

Temperature range: _____

8. Will the room's temperature control system be able to handle the heat load generated by the device and the processor line? (See *Heat Output* on page 10.)

☐ Yes ☐ No

Comments:

9. What is the expected range of humidity that the device will be used in?

Humidity range: _____

10. Will the room's humidity control system be able to handle the moisture load generated by the processor line?

☐ Yes ☐ No

Comments:

11. Is the installation area flat to the required specification? (See *Floors* on page 8.)

☐ Yes ☐ No

Comments:

12. Is there large machinery or a forklift throughway inside the site, or any traffic or industry near the site that may transmit vibration to the device?

☐ Yes ☐ No

Comments:

13. What are the AC mains voltages?

AC mains voltage for workstation: _____

AC mains voltage for device: _____

14. Is power conditioning required?

☐ Yes ☐ No

If yes, has a line conditioner been ordered?

☐ Yes ☐ No

15. Is UPS required?

☐ Yes ☐ No

If yes, has the UPS been ordered?

☐ Yes ☐ No

16. Is a 20 A service (16 A in Europe) with a slow-blow fuse or breaker installed, and a dedicated ground for the device?

☐ Yes ☐ No

Comments:

17. Is the AC service for the workstation installed and originating from the same supply panel as the device AC service?

☐ Yes ☐ No

Comments:

18. Are the voice and data telephone lines installed?

☐ Yes ☐ No

Comments:

Yes No Modem number: _____

Comments:

19. What type of network connection is used?

_____

Follow Up

Is follow-up required?

☐ No The location described in this document meets all criteria for a timely and successful installation of the <Product Name>.

☐ Yes Some follow-up is required to ensure that the site requirements are met prior to the installation of the device.

The outstanding items from the Site Requirements list are:

Name of customer contact: _____

Telephone/fax: _____

E-mail: _____

Date of next follow-up contact: _____

Site Inspection Completed

The presite inspection was performed on _____ by a representative of Creo and witnessed by at least one representative of the customer.

Creo representative: _____

Signature: _____

☐ The Customer understands and hereby agrees to the requirements outlined in the *Universal Debris Removal Cabinet Site Preparations and Requirements* document (part number 725-00089A), including any appendix attached thereto, as acknowledged by the Customer's signature herein or, alternatively, by the customer's signature on a Creo Sales Agreement, Customer Agreement, Service Agreement, Order Form, or similar applicable document.

Customer representative: _____

Signature: _____