

Magnus 400 II and Magnus 400 II Quantum
Platesetters

Site Preparation Guide
English

731-01214A-EN Rev D

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Magnus 400 II and Magnus 400 II Quantum Site Preparation Guide

Introduction

Please take a few moments to read through this document. It provides guidelines for preparing your site for the Kodak® Magnus™ 400 II platesetter and the Kodak Magnus 400 II Quantum platesetter installation.

Your Kodak 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
- Universal debris removal system requirements
- Environmental conditions
- Ventilation requirements
- Network/modem requirements
- Processor specifications

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

Tools Needed

- Air Supply Tester (part number 92-0373A)—to check the pressure and flow of the site's compressed air supply. See *Air Supply Qualification Procedure* on page 14.
- Measuring tape—15 m (50 ft)
- Multi-tester power meter
- Electrical tape or masking tape—to mark the area on the floor where the platesetter configuration, with multi-cassette unit II (MCU II) or punch conveyor, will be located (prior to delivery), and to ensure there is adequate space for the entire configuration.

Antivirus Software

Note: Kodak recommends that the customer purchase a copy of the latest version of Symantec® AntiVirus™ Corporate Edition software. They should install it on each of their Kodak CTP systems. Kodak does not sell Symantec AntiVirus software, nor do we install or directly support it. The customer should 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 Kodak. To find a copy of the Antivirus Waiver, the customer should log onto Kodak eCentral, the Internet portal, select **Self Support > Product Documentation**, and type `Antivirus` in the search criteria.

See the *Symantec AntiVirus for Creo Workflow* for installation details.

Equipment Overview

Platesetter



Figure 1: Magnus 400 II platesetter

The device consists of the following standard components:

- Plate recording output device
- Debris removal system, which includes a vacuum pump and filtration system for removing debris from exposed media. See the *Universal Debris Removal Cabinet (UDRC) Site Preparation Guide* (725-00089A).

Options

Magnus 400 II and Magnus 400 II Quantum platesetter options include:

- Multi-cassette unit II (MCU II)



Figure 2: Magnus 400 II with MCU II

- Single-cassette unit II (SCU II)
- Conveyor
- Punch conveyor



Figure 3: Magnus 400 II with punch conveyor

Size and Weight

Table 1 shows the maximum dimensions and weight of the Magnus 400 II and Magnus 400 II Quantum platesetter components. The measurements are according to the loading direction of the Magnus 400 II and Magnus 400 II Quantum platesetters, with the panels installed.

For shipping crate measurements, see Table 3 on page 21.

Table 1: Size and weight of the platesetter with configuration options

Device	Width	Length	Height	Weight
Platesetter	1750 mm (68.9 in.)	940 mm (37.0 in.)	1340 mm (52.75 in.)	700 kg (1650 lb)
Platesetter with loading tray installed	Not applicable	1450 mm (57.09 in.)	Not applicable	
Universal Debris Removal Cabinet (UDRC)	See the *Universal Debris Removal Cabinet (UDRC) Site Preparation Guide* (725-00089A).			
Workflow	Varies with configuration			
Optional Equipment				
MCU II	1210 mm (47.63 in.)	1580 mm (62.20 in.)	1340 mm (52.75 in.)	600 kg (1431 lb)
Platesetter with MCU II/SCU II	Not applicable	2410 mm (94.88 in.)	Not applicable	1400 kg (3080 lb)
Plate Conveyor	860 mm (33.86 in.)	730 mm (28.74 in.)	980 mm (38.58 in.)	
Platesetter with plate conveyor	Not applicable	2180 mm (85.83 in.)	Not applicable	
Punch conveyor	1010 mm (39.76 in.)	1170 mm (46.06 in.)	1020 mm (40.16 in.)	60 kg 132.3 lb)
Platesetter with loading tray and punch conveyor	2120 mm (83.46 in.)	2920 mm 114.96 in.)	2360 mm (92.91 in.)	810 kg (1785.7 lb)

Platesetter Leg Weight Pressure Distribution

The platesetter weighs 750 kgs and is supported on four legs. Each leg has a 6.3 cm diameter. The pressure exerted on the floor under each leg is 10 kg/cm^2.

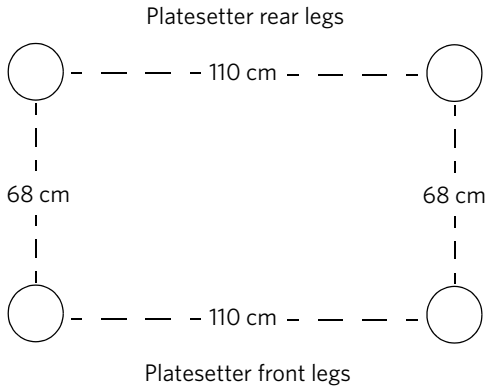


Figure 4: Platesetter leg distance distribution

Site Configuration Layouts

Prior to delivery of the platesetter, review the site configuration layout for your device.

Magnus 400 II

- Magnus 400 II with plate slider (part number 707-00686A)
- Magnus 400 II with stacker (Compact 860) (707-00697A Rev B)

Magnus 400 II With Plate Conveyor

- Magnus 400 II with plate conveyor, processor (T860), and stacker (Compact 860) (707-00719A)

Magnus 400 II With Punch Conveyor

- Magnus 400 II with punch conveyor and plate slider (part number 707-00683A Rev B)
- Magnus 400 II with punch conveyor, processor (T860), and stacker (Compact 860) (707-00720A)

Magnus 400 II With MCU II

- Magnus 400 II with MCU II and stacker (Compact 860) (707-00702A)
- Magnus 400 II with MCU II and plate conveyor, processor (T860), and stacker (Compact 860) (707-00721A)

Site Requirements

Footprint and Working Area

Ask your service representative to check TechPlanet for the recommended work area and dimensions for your specific Magnus 400 II and Magnus 400 II Quantum platesetter configuration.

Allow a recommended minimum 1200 mm (47.24 in.) at the front of the device and 1000 mm (39.37 in.) at the sides of the device for operator and service access.

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

Universal Debris Removal Cabinet

Certain printing media (plates or film) may release airborne emissions during the imaging process. Kodak output devices are supplied with—or you may be able to add—a debris removal system, containing a collection nozzle located on the head and a filtration unit such as the 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 Material Safety Data Sheet (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 Kodak proposal, sales agreement, order form, product specification, or equivalent document.

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

For more information about debris removal, see *Debris Removal* on TechPlanet.

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 Magnus 400 II and Magnus 400 II Quantum platesetters must be:

Temperature	20° to 30°C (68° to 86°F)
Humidity	40% to 60% RH, non-condensing

Note: Some media types may restrict the operating environment of the Magnus 400 II and Magnus 400 II Quantum platesetters. Consult the media manufacturer for the recommended temperature and humidity ranges for plate operation and storage.

For the UDRC operating environment, see the *Universal Debris Removal Cabinet (UDRC) Site Preparation Guide* (725-00089A).

Floors

The floor must be level and not subject to high levels of vibration.

Electrical Requirements

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

- Output device main power supply
- Debris removal system main power supply
- Workstation main power supply

Power Line Voltage/Frequency

Note: A certified electrician should perform all power connections.

The Magnus 400 II platesetter rated voltage is 190 V–264 V.

Two configurations are available for the Magnus 400 II and Magnus 400 II Quantum platesetters—one for 60 Hz and one for 50 Hz.

Countries With 60 Hz Output

- Rated voltage of 208 V AC (-6%+10%) 60 Hz ±1.5%

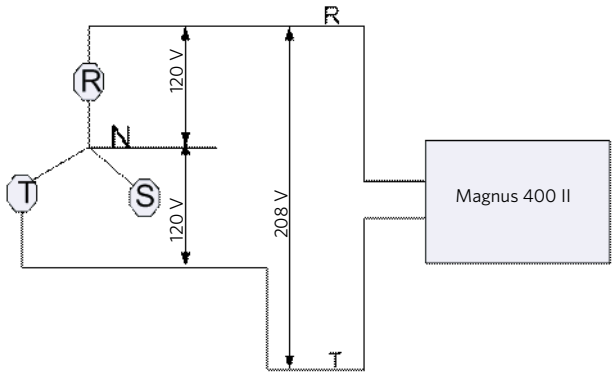


Figure 5: 208 V AC dual-phase connector

Countries With 50 Hz Output

- Rated voltage of 230 V AC ±10% 50 Hz ±1.5%

If there are concerns about power quality (blackouts or brownouts) at the customer site, an online uninterruptible power supply (UPS) can be purchased from a local supplier. A UPS enables a correct, complete shutdown of the device. (A line conditioner enables the device to function for extended periods of time when the power conditions are outside of the Magnus 400 II specifications.)

Circuit Breaker

The circuit breaker on the wall should be 20 A.

Power Consumption

When the platesetter is in standby mode, the maximum power consumption is approximately:

- Magnus 400 II Quantum at standby, 1.1 kwh
- Magnus 400 II Quantum at expose, 1.8 kwh
- Magnus 400 II at standby, 1.2 kwh
- Magnus 400 II at expose, 2.2 kwh

Inrush Current

The inrush current is approximately 27 A for five seconds.

Plug

The type of power cord plug used on the Magnus 400 II platesetter is a two-pole, three-wire, 250 V, 32 A, 6HOUR plug (6HOUR refers to the orientation of the ground connection).



IEC-309, two-pole, three-wire, 250 V, 32 A, 6HOUR connector supplied with power cable



IEC-309, two-pole, three-wire, 250 V, 32 A, 6HOUR receptacle

Power Line Disturbances

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

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

Debris Removal Cabinet Power

For more information about the debris removal cabinet, see the *Universal Debris Removal Cabinet (UDRC) Site Preparation Guide* (725-00089A).

Note: Kodak 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.

Grounding

The grounding impedance should be less than 2 ohms.

Air Supply

The Magnus 400 II and Magnus 400 II Quantum platesetters require a clean, dry, oil-free, dust-free, and moisture-free air supply at 7 bar (100 psi) of shop air according to the following table:

Configuration	Average Air Consumption[a]	Compressor Air Supply[a]
Magnus 400 II and Magnus 400 II Quantum platesetters	10 SLPM (0.35 SCFM)	70 SLPM (2.47 SCFM)
Magnus 400 II and Magnus 400 II Quantum platesetters with MCU II	90 SLPM (3.18 SCFM)	170 SLPM (6.0 SCFM)

[a]SLPM measured at 7 bar; SCFM measured at 100 psi

A standard 0.25-in. BSP port female outlet connector is required. It should be mounted on the wall up to 5 m (16.40 ft) 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:

For Magnus 400 II and Magnus 400 II Quantum platesetters

Manufacturer	Compressor Type	Compressor Model	Air Receiver (liter)	Dryer (230 V-AC)	Automatic Water Drainer
Kaeser	Piston	Premium-Silant 130/10	10	TAH-4	According to air receiver
Atlas Copco	Piston	LFx-1.0-T20	50	FX1	According to air receiver

For Magnus 400 II and Magnus 400 II Quantum platesetters with MCU II

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

Air Supply Qualification Procedure

This procedure helps determine whether the customer's air supply is adequate for satisfactorily running the output device. It requires a measurement tool (92-0373A) made specifically to test the output device's air supply.

1. Mount the device to the end of the air hose or pipe that would normally be connected to the output device. A few extra adapter fittings and a roll of Teflon tape have been included for this purpose.
2. Turn on the valve on the tool.
3. Record the results in the table on page 33.
4. Repeat this test two more times during the day at well-spaced intervals to confirm that the air supply is not being compromised by other machines.

The gauge must never fall below 90 psi at any time during the tests. If the air supply fails to maintain this pressure at a minimum, it is below specifications for the output device.

Cleanliness

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

Clean air is vital because 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 × h)

Static Electricity

- Humidity must be 40% to 60% to reduce the static electricity with the plates. See *Humidity* in the following section.
- Use of carpeting is not recommended in the Magnus 400 II and Magnus 400 II Quantum platesetter area. If carpets are used, only antistatic carpets should be installed at the site. Carpet thickness should be 12 mm (0.5 in.).

Humidity

The platesetter requires relative humidity of 40% to 60%. An industrial steam humidifier can be used to meet specified humidity. See *Environmental Conditions* on page 9.

UV Light

Some plates, such as Kodak DITP, are sensitive to UV light. When such plates are used or when the Magnus 400 II and Magnus 400 II Quantum platesetter is directly connected to a plate stacker, you need an appropriate safe (yellow) light.

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 20°–30°C (68°–86°F).

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

Platesetter	12,000–16,000 BTU/hour
Host	2,500 BTU/hour
Debris removal system	4,800 BTU/hour
Other miscellaneous	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:

- Ideally, the system room should contain both a thermometer and a hygrometer that are permanently mounted in a central location.
- In addition, for best results, use a humidity and temperature recorder.

Ventilation

No filtration can be 100% efficient (for example, carbon monoxide is not captured by 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 Magnus 400 II and Magnus 400 II Quantum platesetters require a minimum of 1.1 m^3/min (40 cfm) outdoor air ventilation.

Note: This is a default value. Certain media may require higher ventilation. To check the recommended value for specific media, see the CTP Media Imaging Performance Database (available from your Kodak representative). A recommended ventilation will be specified if the value for a media is different than the default.

This air ventilation prevents the accumulation of airborne emissions that may be released when certain media are imaged.

Note: Information about the hazardous compounds released by a particular media during imaging should be available from the media manufacturer's MSDS or equivalent document.

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, Kodak recommends at least three air changes per hour (ACH).

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 and to ensure that upon installation of the Magnus 400 II and Magnus 400 II Quantum platesetters, 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 a qualified industrial hygienist to conduct an indoor air quality assessment.

Telephone Link

The customer must maintain a direct-dial VPN telephone line that is dedicated to the workflow workstation (no other devices sharing this line) for use with Kodak dial-in support. This enables the customer to log on to Kodak's Remote Service Support (RSS) and troubleshoot problems via remote access. The customer should also provide a separate voice phone line to the output device location for communication with Kodak service representatives during dial-in support.

Use a dedicated telephone line and an RJ-11 cable to plug into the modem. The RJ-11 cable must be long enough to reach the workstation.

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

Network

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

Table 2: Network connections

Connections	Supplied by Kodak	Supplied by Customer
Network connection to connect the Magnus 400 Controller workstation to the workflow network	Ethernet: 1000Base-T/100Base-T (RJ-45)	Network connection and cable must be long enough to reach the Magnus 400 Controller workstation. We recommend a 15-m (49-ft) cable.

Data Cable Connections

Connect the data communication cables on the Magnus 400 II and Magnus 400 II Quantum platesetters as follows:

- **Magnus 400 II with Kodak Xpo™ software**
  - ❒ Standard Ethernet J45 cable for direct TCP/IP connection
- **Magnus 400 II Quantum**
  - ❒ Standard Ethernet J45 cable for direct TCP/IP connection
  - ❒ SCSI cable connection (16-3503)

    If a greater distance between the workstation and the output device is required, the following optional configurations are available:

    - 15.2-m (50-ft) cables and a SCSI booster

Part Number	Description
518-00741A	Kit, SCSI/WS 50-ft extension for N-200; 110/220

    - 30.4-m (100-ft) cables and SCSI boosters

Part Number	Description
518-00743A	Kit, SCSI/WS 100-ft extension for N-200; 110/220

    For more information about SCSI boosters, see the SCSI booster data sheet.

Note: For more information about the Kodak Prinergy® Evo™ software connectivity, on TechPlanet, see Connectivity on the Xpo for Magnus 400/Lotem® 400 Xpose site for the relevant output device.

Media and Processors

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.

For maintenance purposes, a sink with a faucet to which a hose can be connected should be available for cleaning the processor.

Plates

- The Magnus 400 II and Magnus 400 II Quantum platesetters support thermal plates that are sensitive to IR 830-nm wavelength.
- Storage room for plates—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.

Plate Registration

For optimal registration, the reference points used by the output device should also be used by plate bending and punching equipment. See Figure 6 for the plate registration points.

The customer is responsible for satisfying the requirements for achieving optimal plate registration on press.

For further assistance on specifying punches and benders to be used with the Magnus 400 II and Magnus 400 II Quantum platesetters, contact a Kodak service representative.

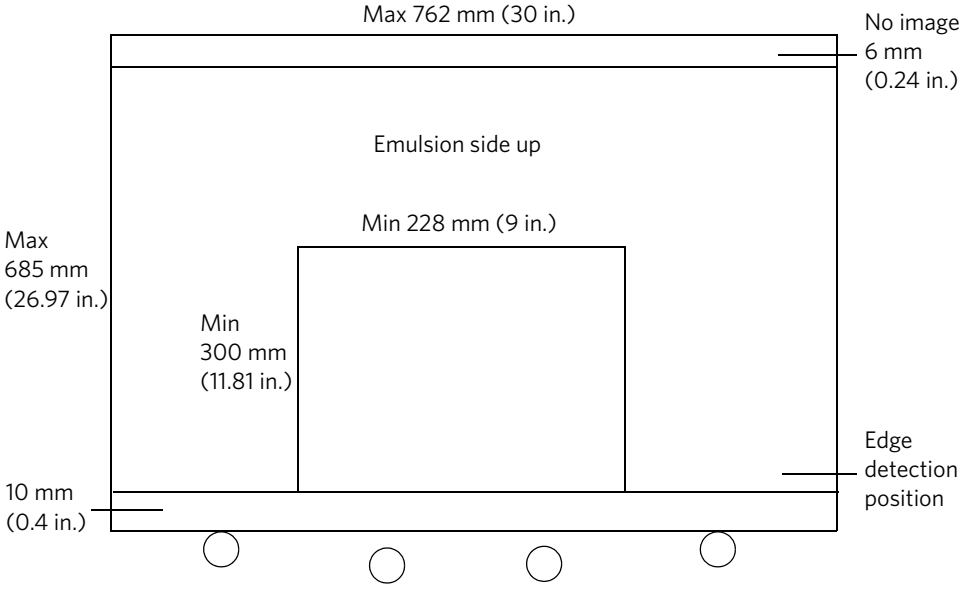


Figure 6: Plate registration points

Shipment and Delivery

Customer Responsibilities

The customer is responsible for providing Kodak with delivery instructions. The customer is also responsible for transporting the shipping crates to the installation location and for unloading them at the site. However, the customer must not unpack the shipping crates. Kodak recommends that the customer use professional riggers to unload the crates from the transport vehicle. Dock level, which is a vertical distance from ground to dock of 1.2 m (4 ft) is required. The ability to handle a 15.9-m (53-ft) trailer.

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

Forklift

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

Access Path

Prior to delivery, the customer should locate the best path to safely transport the platesetter from the loading dock to the installation area.

Doors and Hallways

The customer must provide free access through doors and hallways from the entrance to the device location so that the whole pallets can be transported to the installation location. Kodak recommends that the customer furnish a drawing of the route. For maximum crate dimensions, see *Shipping Crates* on page 21.

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.

Service Elevator

If a service elevator is needed to transport the platesetter from the loading dock to the installation area, the customer must make sure that it can accommodate the size and weight of the device.

Note: If a service elevator is not available, the customer must provide a crane to lift the platesetter from the loading dock to the installation area.

Shipping Crates

The output device is normally shipped in one to three crates, depending on the options ordered. Table 3 lists the individual dimensions (L × W × H) and weights of the crates.

Table 3: Dimensions and weights of crates

Crate Contents	Length	Width	Height	Weight
Magnus 400 II and Magnus 400 II Quantum platesetter	2070 mm (81.50 in.)	1145 mm (45.08 in.)	1600 mm (63 in.)	772 kg (1702 lb)
MCU II	1830 mm (72.05 in.)	1400 mm (55.12 in.)	1500 mm (59.05 in.)	525 kg (1157.4 lb)
Plate conveyor	955 mm (37.60 in.)	825 mm (32.48 in.)	444 mm (17.48 in.)	72 kg (158.7 lb)
Punch conveyor	1340 mm (52.75 in.)	1140 mm (44.88 in.)	1300 mm (51.18 in.)	152 kg (335 lb)
Workflow	Varies with configuration			
Debris removal cabinet	See the *Universal Debris Removal Cabinet (UDRC) Site Preparation Guide* (725-00089A).			

Appendix 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 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, and so on); and particulate matter (dust). This list is not comprehensive, and other compounds may be present in the emissions, depending on the particular media.

To help prevent contamination and to improve reliability of imaging, the Kodak 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 Kodak output devices and filtration units are located. The requirements for the ventilation rate are contained in either the output device Site Preparations and Requirements document or another applicable document.

Kodak cannot assure occupational safety under all operational conditions because of factors that are outside the control or knowledge of Kodak. 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 preapproved by Kodak; in particular, media not qualified for use with a debris removal system or a filtration unit specified in the Kodak 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 Kodak 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
- Noncompliance with instructions in user guides, warning labels, site preparation, or other Kodak 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, Kodak 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. Kodak'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.

Appendix B: Site Inspection Checklist

Full completion of this checklist will greatly assist in building, delivering, and installing the Magnus 400 II and Magnus 400 II Quantum platesetter and all its accessories.

Site Information

Company name: _____

Site address:

Shipping address:

Contact Information

Contact name: _____

Position: _____

Telephone/fax: _____

E-mail: _____

Prepress manager: _____

Maintenance manager: _____

Network manager: _____

Note: All operators must be capable of running a personal computer with a Microsoft® Windows® operating system. If more than four operators are 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. This should be Kodak-approved media only.

Measurements are in:

mm in.

Media Type[a, b]	Plate Size	Average # of Plates per Day	Average Length of Press Run	Type of Work (four-color; spot color; halftones; Staccato; text only)

a. Imaging speed can be affected if media sensitivity or processing is inconsistent with Kodak's qualification testing. Contact your Kodak 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 about punch condition:

Is a plate bender to be used?

Yes No

Plate bender name and model: _____

Are the registration points of the plate bender and punch the same as those of the device?

Yes No

Comments:

Presses Supported

Press name and model: _____

Processor Supported

Processor name and model: _____

Delivery date: _____

Does the site meet the power and plumbing requirements for the processor?

Yes No

Comments:

Other Kodak Equipment On-Site

Are any other Kodak products already installed?

Yes No

Comments:

Will Kodak be installing other new equipment during the installation of the Magnus 400 II and Magnus 400 II Quantum platesetter?

Yes No

If yes, what will be installed?	When?	Who at Kodak is doing the installation?

Configuration

Which autoloader option was ordered?

Single-cassette unit Multiple-cassette unit (3)

Site Requirements

Note: Install the device in a clean prepress area.

1. Is sufficient area available 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. Does the customer know that they are responsible for transporting 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 20.)

   Yes No

5. Do the doors and hallways between the shipping dock and the installation area have sufficient space to allow passage of the shipping crates? (See *Doors and Hallways* on page 20.)

   Yes No

   Comments:

6. Can the receiving area accommodate a typical air ride truck; does it have a dock level? (See *Shipment and Delivery* on page 20.)

   Yes No

   Comments:

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

   Yes No

   Comments:

8. Is the installation area flat according to the required specification? (See *Floors* on page 9.)

   Yes No

   Comments:

9. Does the floor meet the maximum peak loading specification? (See *Floors* on page 9.)

   Yes No

   Comments:

10. What are the AC mains voltages?

    AC mains voltage for workstation: _____

    AC mains voltage for device: _____

11. Is power conditioning required?

    Yes No

    If yes, has a line conditioner been ordered?

    Yes No

12. Is UPS required?

    Yes No

    If yes, has the UPS been ordered?

    Yes No

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

    Yes No

    Comments:

14. Is the AC service for the workstation installed and does it originate from the same supply panel as the device AC service?

    Yes No

    Comments:

15. Does the air supply flow (tested using air supply gauge 92-0373A) meet specifications? (See the *Air Supply Qualification Procedure* on page 14.)

    Yes No

    Record the test results in the following tables.

Air Supply Qualification Test Results

Part number of measurement tool: _____

First Test	
Time On	**Pressure**
10 Sec	
20 Sec	
30 Sec	
40 Sec	
50 Sec	
60 Sec	

Second Test	
Time On	**Pressure**
10 Sec	
20 Sec	
30 Sec	
40 Sec	
50 Sec	
60 Sec	

Third Test	
Time On	**Pressure**
10 Sec	
20 Sec	
30 Sec	
40 Sec	
50 Sec	
60 Sec	

16. Is the air supply filtered and dried as per specification? (See *Air Supply* on page 13.)

    Yes No Prefilter ordered

    Comments:

17. Are the voice and data telephone lines installed?

Yes No Modem number: _____

Comments:

18. 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 Magnus 400 II and Magnus 400 II Quantum platesetter.

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 Kodak and witnessed by at least one representative of the customer.

Kodak representative: _____

Signature: _____

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

Customer representative: _____

Signature: _____