Kodak

Magnus 800

Output Devices

Site Preparation Guide

English

707-00521C-EN Rev B

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Magnus 800 Output Devices Site Preparation Guide

Introduction

This document provides guidelines for preparing your site for the Kodak® Magnus™ 800 output device **i**nstallation.

Important: The term *Magnus 800 output device* used in this document refers to any or all of the following configurations.

- Magnus 800 S, F, V, X, Z-speed platesetter
- Magnus 800 S, F, V, X, Z-speed platesetter with Magnus 800 single-cassette autoloader
- Magnus 800 S, F, V, X, Z-speed platesetter with Magnus 800 multi-cassette autoloader

Your 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:

- Equipment overview and device configuration
- Electrical requirements
- Network and telephone requirements
- Air supply requirements
- Environmental conditions
- Site, shipment and delivery requirements

As part of the site preparation process, Kodak is providing you with a Site Preparation Kit (518-01101A) that includes the following:

- Air filter unit (500-01720A)
- Site Preparation Guide document (707-00521B-EN Rev B)

The purpose of the site preparation kit is to streamline the installation process. Please ensure, together with your service engineer, the best location for the air filter unit and power receptacle. Mount these two components on the wall, at your convenience before installing the Magnus 800 output device(s).

Complete the "Site Inspection Checklist" in Appendix C together with your service engineer.

Tools Needed

- Measuring tape—15 m (50 ft.)
- Densitometer or dotmeter
- Recommended: Power quality testing tool. Please consult with your service representative for details.

Media and Processor

The customer must provide an appropriate supply of media and a processor with an adequate supply of development chemistry, water, and drain/electrical connections as specified by the manufacturer.

The customer must provide a list of all media types and plate sizes.

Plates

- The Magnus 800 platesetter supports thermal plates that are sensitive to IR 830 nm wavelength.
- Please consult your plate vendor for the recommended humidity and temperature ranges in which the plates should be stored.
- Please consult your plate vendor regarding a plate densitometer or dotmeter that is adequate for thermal media. A densitometer or dotmeter is required at the time of installation.

Note: Only approved plates should be exposed on the Magnus 800 platesetter For more information, see the media database.

Antivirus Software

Kodak supports and recommends that the customer purchase a copy of the latest version of Symantec® Antivirus Corporate Edition. The customer should install the antivirus software on each of their Kodak CTP systems. Kodak does not sell Symantec Antivirus software, nor do Kodak install or directly support the software. Kodak recommends that the customer purchase the software from a retail vendor convenient to them. Kodak 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 *eCentral* and select **Self Support** > **Product Documentation** and type word "Antivirus" in the search criteria.

Equipment Overview

The Magnus 800 platesetter is the next generation 8-up thermal CTP (830 nm) from Kodak. The robust and highly productive Magnus 800 platesetter offers semiautomatic* and fully automatic operation, scalability, stability, easy maintenance, superior imaging quality (*SQUAREspot*) for an 8-page sheet fed and web printers. The Magnus is a high-speed, modular device ranging from 15 plates per hour (pph) semi automatic loading to 60 pph fully automatic loading with punching.

* Except Magnus 800 Z-speed platesetter

The device has modular automation with the following features:

- Single-cassette autoloader with one cassette, automatic loading and unloading to conveyor
- Multi-cassette autoloader with three, four, or five cassettes, automatic loading and unloading to conveyor
- Head resolution of 2400 dpi or 2450 dpi
- Speed option: S (15 pph), F (22 pph), V (30 pph), X (40 pph), Z (60 pph)
- Automatic slip sheet removal
- Inline punching—standard and customized punches
- Inline conveyor to the processor
- Manual bypass
- Left or right orientation

The Magnus 800 platesetter standard components are:

- Magnus 800 platesetter
- Magnus 800 computer and stand
- 15-in. LCD color monitor
- Keyboard
- Mouse
- Universal Debris Removal Cabinet (UDRC)
- Microsoft® Windows® Server 2003 operating system
- Neslab® Merlin M-75 recirculating chiller for Magnus 800 Z-speed platesetter



Figure 1: Magnus 800 platesetter



Figure 2: Magnus 800 platesetter with single-cassette autoloader



Figure 3: Magnus 800 platesetter with multi-cassette autoloader

Electrical Requirements

Power Line Voltage/Frequency

Line voltage at the customer site must remain within the Magnus 800 output device rated voltage of 208 V (± 10%) for 110 V countries, or 230 V (-6%/+10%) for 220/240 V countries. The frequency is 50/60 Hz ±1.5%. The short circuit current at wall mains outlet must be less than 5 KA.

Electrical Connections

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:

- Platesetter main power—one receptacle
- Multi-cassette unit main power—one receptacle
- Workstation main power—three receptacles
- UDRC main power—one receptacle
- Chiller for Magnus 800 Z-speed platesetter—one receptacle
- Service—two receptacles

The electrician at the customer site should install the correct outlet to provide power to the device. Each device (platesetter, workstation, MCU, UDRC, and chiller) must be powered from separate lines from the same AC supply.

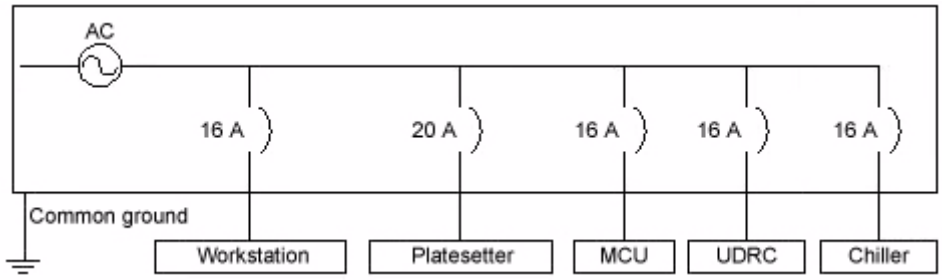


Figure 4: Electrical connection between AC supply and each device

Power Quality

Before installing an output device, a power monitor should be placed at the site to measure power quality for the duration of a week. If the power quality at the customer site is outside Kodak's specifications (-6%/+10%), the customer should purchase a line conditioner for the Magnus 800 output device circuit from a local supplier.

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.

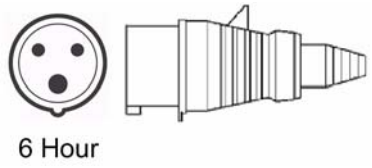
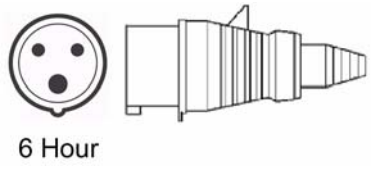
Dips in power should not exceed 30% of nominal voltage, having maximal duration of 10 ms. Fast transient disturbances on the power line should not exceed 1.0 kV.

If there are concerns about power quality (blackouts or brownouts) at the customer site, an online uninterrupted 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 Magnus specifications.

UPS specifications are available from the supplier.

Power, Cables, Connectors, and Receptacles

Table 1: Power, cables and interconnects—Europe and ROW (Asia Pacific, New Zealand, Australia, and South America)

Cable description	Voltage, current, and frequency	Cable length, connector and receptacle supplied by Kodak (EN 60309 & CE)	
Platesetter main power	230 VAC (±10 %) 12 A 50 Hz	4.5 m (15 ft.) power cable with IEC-309, 2 pole, 3-wire, 250 V, 32A, 6 Hour* connector  6 Hour * 6 Hour refers to the orientation of the ground connection.	Dedicated 32A, 220/240 V branch circuit with IEC 309, 2 pole, 3-wire, 250 V, 32A, 6 Hour receptacle 
MCU	230 VAC (±10 %) 5 A 50 Hz	4.5 m (15 ft.) power cable with IEC-309, 2 pole, 3-wire, 250 V, 16A, 6 Hour connector  6 Hour	Dedicated 20A, 208 V branch circuit with IEC 309, 2 pole, 3-wire, 250 V, 16A, 6 Hour receptacle 
Cable description	**Voltage, current, and frequency**	**Cable length and connector supplied by Kodak**	**Receptacle supplied by customer**
Workstation power	230 VAC (±10 %) 5 A 50 Hz	2.5 m (8.2 ft.) power cable with CEE 7/7, 2 pole, 3-wire, 250 V, 16A connector 	Dedicated 16A, 220/240 V branch circuit with CEE 7/7, 2 pole, 3-wire, 250 V, 16A receptacle 
UDRC-B main supply	230 VAC (±10 %) 10 A 50 Hz	4.5 m (15 ft.) power cable with CEE 7/7, 2 pole, 3-wire, 250 V, 16A connector 	Dedicated 16 A, 220/240 V branch circuit with CEE 7/7, 2 pole, 3-wire, 250 V, 16A receptacle 

Cable description	Voltage, current, and frequency	Cable length, connector and receptacle supplied by Kodak (EN 60309 & CE)
Chiller	Part number: 220-02278a 240 VAC (-6%/+10%) 16 A 50 Hz	CONN, PLG, 3PIN, 16A, 230V, IEC60309/6M, BLK 
	Part number: 216-00213 250 VAC (-6%/+10%) 20 A 60 Hz	PWR CABL, 12AWG, SJT,L6/30, C19, 6M, BLK 

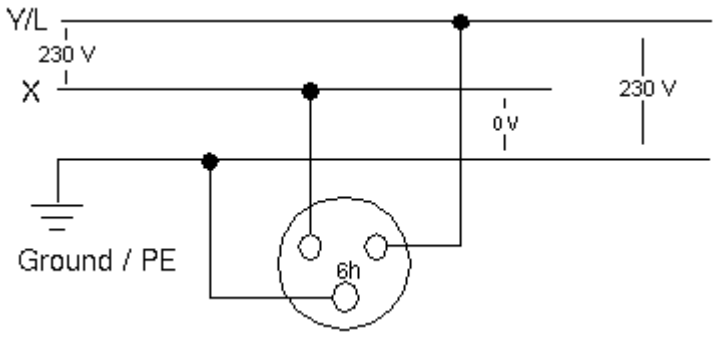


Figure 5: 230, 2 pole, 3-wire, single phase, grounded

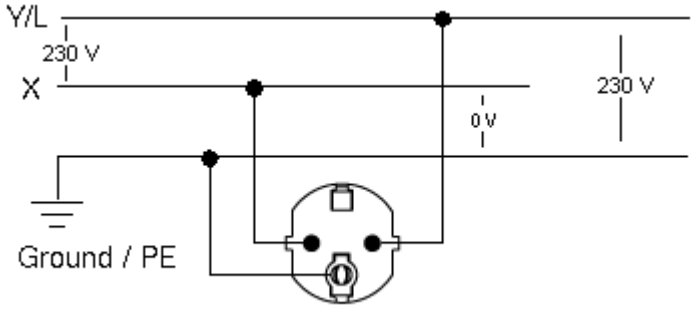
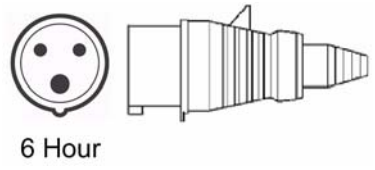
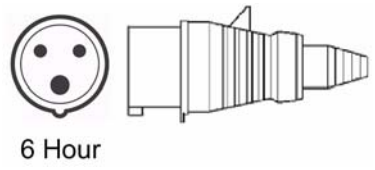
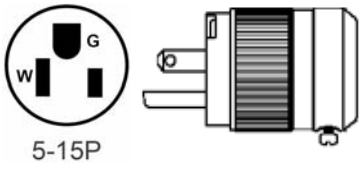
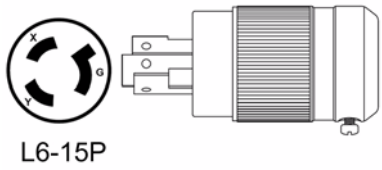


Figure 6: 230, 2 pole, 3-wire, single phase, grounded

Table 2: Cables and interconnects—North America and Japan

Cable description	Voltage, current, and frequency	Cable length, connector and receptacle supplied by Kodak (UL 1682 & C22.2 no. 182.1)	
Platesetter main power	208 VAC (-6 %+10%) 12 A 60 Hz	4.5 m (15 ft.) power cable with IEC-309, 2 pole, 3-wire, 250 V, 30A, 6 hour connector 	Dedicated 30 A, 208 V branch circuit with IEC-309, 2 pole, 3-wire, 250 V, 30A, 6 hour receptacle 
MCU main power	208 VAC (-6 %+10%) 5 A 60 Hz	4.5 m (15 ft.) power cable with IEC - 309, 2 pole, 3 wire, 250 V, 20A, 6 hour connector 	Dedicated 20A, 208 V branch circuit IEC - 309, 2 pole, 3 wire, 250 V, 20A, 6 hour receptacle 
Cable description	**Voltage, current, and frequency**	**Cable length and connector supplied by Kodak**	**Receptacle supplied by customer**
Workstation main power	110 VAC (-6 %+10%) 8 A 60 Hz	2.5 m (8.2 ft.) power cable with 5-15P connector 	Dedicated 15 A, 110V branch circuit with 5-15R receptacle 
UDRC-B main supply	208 VAC (-6 %+10%) 12 A 60 Hz	4.5 m (15 ft.) power cable with L6-15P connector 	Dedicated 15 A, 208 V branch circuit with L6-15R receptacle 

Cable description	Voltage, current, and frequency	Cable length, connector and receptacle supplied by Kodak (UL 1682 & C22.2 no. 182.1)
Chiller	Part number: 220-02278a 240 VAC (-6%/+10%) 16 A 50 Hz	CONN, PLG, 3PIN, 16A, 230V, IEC60309/6M, BLK 
	Part number: 216-00213 250 VAC (-6%/+10%) 20 A 60 Hz	PWR CABL, 12AWG, SJT,L6/30, C19, 6M, BLK 

Note: For workflow workstation requirements, see the workflow site preparation document.

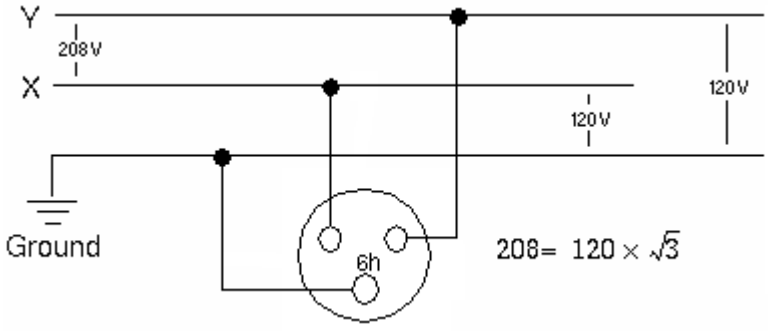


Figure 7: 208 V, 2 pole, 3-wire, single phase, grounded

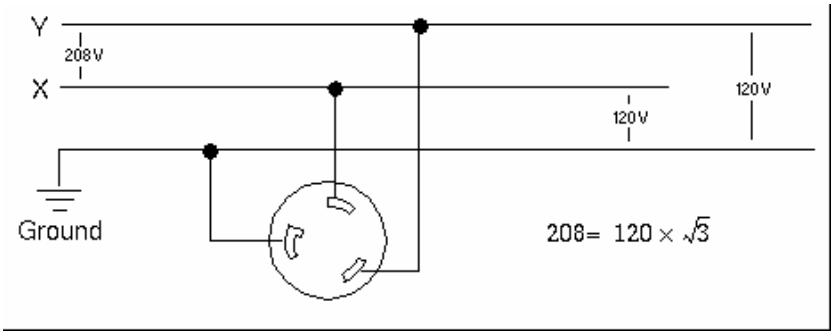


Figure 8: 208 V, 2 pole, 3-wire, single phase, grounded

Network, Remote Support, and Telephone Requirements

Network

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

Table 3: Network connections

Connections	Supplied by Kodak	Supplied by customer
Network connection for connecting the Magnus 800 Controller workstation to the workflow network	• Ethernet: 1000 Base T/100 Base-T (RJ-45) • PCI-X NEC Jumbo frame	Customer must supply: • Network connection cable long enough to reach the Magnus 800 Controller workstation. Kodak recommends a 15-m (49-ft.) cable. • Point to point Gigabit Ethernet network cable capable of supporting Jumbo frames[a] set to 9216 byte packets[b].

a. Jumbo frame support is designed to enhance the Ethernet networking throughput and significantly reduce the CPU utilization of large file transfers, such as large multimedia files or large data files, by enabling more efficient larger payloads per packet. By sending larger payloads per packet, fewer packets need to be routed, reducing the overhead on the CPU and potentially improving the networking throughput.
Jumbo frame support in Gigabit Ethernet Network Interface cards allows the sending and receiving of jumbo frame size packets which are up to six times the size of standard Ethernet packets. Jumbo frame delivers up to 9216 byte packets instead of a 1522 byte packet for standard Ethernet, which consists of a 1500 byte payload + 14 bytes for header + VLAN tag 4 bytes + CRC 4 bytes.

b. In case a Gigabit Ethernet network with jumbo frames is not available, Kodak will supply at extra charge a point to point Gigabit Ethernet link between the Magnus 800 computer and the Prinergy/ Prinergy Evo render station.

Broadband Internet or Telephone Link

In order to enable remote support the customer must have a broadband internet connection or a *direct dial* analog telephone line dedicated to the workstation (no other devices sharing this line). The customer must also provide a separate voice telephone line to the CTP location—used for establishing communication with service engineers during a remote support session.

Broadband

RSS VPN is the latest secure broadband connectivity method to be added to Kodak RSS. It is the primary technology used for establishing a remote connection, and is used unless one of the other connection methods outlined in the product installation guide is specifically requested.

RSS VPN Requirements

System requirements:

Kodak RSS Client Software is supported on the following operating systems: Microsoft® Windows® 2000 Professional, Windows 2000 Server, Windows XP Professional, and Windows Server® 2003 – 32 bit. The system must have a default gateway configured under the TCP/IP networking properties.

Network requirements:

The RSS Client peer must be on a network segment that has access to the public Internet. If the network uses a proxy server to access the internet, RSS VPN traffic must be configured to bypass the proxy. This may require additional firewall rules and/or proxy configuration settings.

Firewall requirements:

The majority of firewalls do not require configuration changes for RSS VPN to operate. However, firewall configurations that explicitly block certain outbound ports require specific services (protocols) to be permitted through the firewall.

The customer should refer to the RSS VPN Product Bulletin for a full description of the RSS system and set up requirements.

Dial In

Remote dial-in support to the CTP system is dependent upon a dedicated, direct dial-in telephone line. Kodak can only offer remote support to devices that do not share telephone lines with other equipment or are accessible by a broadband Internet connection.

Air Supply Requirements

Air Supply Quality

The Magnus 800 output devices require a clean, dry, *oil-free, dust-free, and moisture-free* air supply of shop air at 7 bar (100 psi), according to the table that follows:

Configuration	Average Air Consumption*	Compressor Air Supply*
Magnus 800 platesetter	90 SLPM (3.18 SCFM)	170 SLPM (6.01 SCFM)
Magnus 800 platesetter with autoloader	110 SLPM (3.89 SCFM)	190 SLPM (6.71 SCFM)

* Standard Conditions for the calculation of SLPM are defined as: Tn= 0 ºC, (32 ºF) Pn= 1.01 bara, (14.72 psia)

* Standard Conditions for the calculation of SCFM are defined as: Ts= 15.6 ºC, (61 ºF) Ps= 1.01 bara, (14.72 psia)

The air supply should conform to ISO class 4.

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

Important: Do not add lubricant.

Important: The temperature of the air line going from the drying device to the platesetter 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

Air Supply Connections:

Kodak supplies an air filter unit (part number 500-01720A) to be mounted on the wall at a maximum distance of 4 m (13 ft.) from the device. The customer must connect the air filter unit to the shop air supply, by using one of the couplers supplied (see the table that follows). Kodak supplies the connection between the air unit and the device.

Connections	Supplied by Kodak	Supplied by Customer
Shop air supply (dedicated branch recommended)	One hose nipple and band.  0.5 in. BSPT thread	A flexible air line, 12 mm (0.5 in.) internal diameter (ID) minimum. The customer must connect the Kodak-supplied hose nipple to the air line.

Note: Keep the air line as short as possible and free from restrictions. If the air line is longer than 6 m (20 ft.), use a larger ID air line.

Environmental Requirements

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

Temperature and Humidity

The operating environment for the Magnus 800 output device must be:

Temperature	Magnus S, F, V, X-speed platesetter 20°—30° C (68°– 86° F) Magnus Z-speed platesetter 20°—27° C (68°– 80.6° F)
Humidity	40—60% RH, non-condensing

Note: Some media types may restrict the operating environment of the Magnus 800 output device system. Consult the media manufacturer for their recommended temperature and humidity ranges for plate operation and storage.

Heat Output

The nominal heat output for the Magnus 800 output device is 22,250—26,250 BTU/hr.

Important: For heat output of other equipment, see the specific site preparation guides.

Ventilation

The Magnus 800 output 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, Kodak 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.

1. 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), 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.

The customer is responsible for assessing the level of airborne emissions in the room to ensure that, upon installation of the Magnus 800 output device, 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.

Note: For details on airborne emissions, see “Notice” on page 27.

Site, Shipment, and Delivery Requirements

Footprint and Working Area

See Appendix A "Footprint and Working Area" on page 21 for detailed diagrams of each output device configuration.

Size and Weight of Output Device and Shipping Crates

Table 4 shows the maximum dimensions and weight of the Magnus 800 output device components. The measurements are taken facing the Magnus 800 output device system, with the panels installed. Width is in the x-axis direction. Depth is in the y-axis direction.

The output device is normally shipped in 3–5 crates, depending on the options ordered. Table 4 lists the individual dimensions (L x W x H) and weights of crates.

Customer Responsibilities

It is the customer's responsibility to provide Kodak with delivery instructions. The customer is responsible for transporting all shipping crates to the installation location for unloading them. However, the customer must not unpack the shipping crates. Kodak 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 15.9-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 1600-kg (3,528-lb.) capacity for unloading the equipment. The forks must be no more than 150 mm (6 in.) wide, and the span must be 510 mm (20 in.).

Floors

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

Table 4: Size and weight of Magnus 800 output device and crates

Device	Width	Depth	Height	Weight
Platesetter	2495 mm (98.2 in.)	1504 mm (59.2in.)	1100 mm (43.3 in.)	1040 kg (2293 lb.)
Platesetter + crate	2900 mm (114.2 in.)	1600 mm (63 in.)	1400 mm (55.2 in.)	1268 kg (2795 lb.)
Autoloader	1690 mm (66.5 in.)	1420 mm (55.9 in.)	1450 mm (57.1 in.)	800 kg (1764 lb.)
Autoloader + crate	2175 mm (85.6 in.)	1770 mm (69.7 in.)	1750 mm (68.9 in.)	1130 kg (2491 lb.)
Thermal head + crate	840 mm (33 in.)	840 mm (33 in.)	810 mm (32 in.)	75 kg. (165 lb.)
UDRC	510 mm (20 in.)	600 mm (23.5 in.)	900 mm (35.5 in.)	57 kg (125 lb.)
UDRC + crate	670 mm (26.5 in.)	760 mm (30 in.)	1075 mm (42 in.)	93 kg (203 lb.)
Workstation (including stand)	680 mm (26.7 in.)	712 mm (28 in.)	1010 mm (39.76 in.)	90 kg (198 lb.)
Workstation + crate	1150 mm (45. 3 in.)	760 mm (30 in.)	700 mm (27.5 in.)	90 kg (198 lb.)
MCU (including 500 plates)	1690 mm (66.5 in.)	1820 mm (71.7 in.)	1450 mm (57.1 in.)	1700 kg (3748 lb.)
MCU + crate	2000 mm (78.7 in.)	1900 mm (74.8 in.)	1750 mm (68.9 in.)	1130 kg (2491 lb.)
Single-cassette (including 100 plates)	1140 mm (44.9 in.)	1695 mm (66.7 in.)	810 mm (31.9 in.)	236 kg (520 lb.)
Single-cassette + crate	1200 mm (47.24 in.)	1700 mm (66.93 in.)	500 mm (19.69 in.)	150 kg (330.7 lb.)
Output conveyor	1350 mm (53.1 in.)	1200 mm (47.2 in.)	855 mm (33.7 in.)	30 kg (66 lb.)
Output conveyor + crate	1450 mm (57 in.)	1175 mm (46.2 in.)	320 mm (12.6 in.)	50 kg (110 lb.)
Multi-directional unloading conveyor	1600 mm (63 in.)	1220 (48 in.)	900 (35.5 in.)	
Chiller for Magnus 800 Z-speed platesetter + crate	570 mm (22.4 in.)	770 mm (30.3 in.)	990 mm (39 in.)	91 kg (200 lb.)

Doors and Hallways

The customer must provide free access through doors and hallways from the entrance to the Magnus 800 output device location so that the whole pallets can be transported to the installation location. The required minimal door width is 1.80 m (70.9 in.). Kodak recommends that the customer furnish a drawing of the route. See “Size and weight of Magnus 800 output device and crates” on page 18 for maximum crate dimensions.

Note: The service engineer should 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.

Site Configuration Layouts

The site configuration layouts for all the Magnus 800 devices appear in the TechPlanet document Site configuration layouts for Magnus 800 devices:

http://techplanet.creo.com/AgileContent/Extranet/731-01521A130472682.pdf

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 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 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 to 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 pre-approved 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
- Non-compliance 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 800 output devices 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.

Note: Use Kodak-approved media only. Imaging speed can be affected if media sensitivity or processing is inconsistent with Kodak qualification testing. See your service representative for specific media information.

Note: 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.

Processor Supported

Processor name and model: _____

Delivery date: _____

Media type and size: _____

Comments:

Option Configurations

Which configuration was ordered?

Semi-automatic

Single-cassette autoloader

Multi-cassette autoloader

Which options were ordered?

Configuration		Single-cassette unit	Multi-cassette unit
Cassettes	Were extra cassettes ordered?	Yes No	Yes No
	How many were ordered?	Number	Three Four Five
Orientation	Left Right		
Conveyor	Straight unloading conveyor Multi-directional unloading conveyor Third party unloading conveyor		
Resolution	2400 dpi 2540 dpi		
Punches	Number of holes?	Number	
	Is the layout defined?	Yes No	

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. Can the receiving area accommodate a typical air ride truck—that is, does it have dock level? (See "Site, Shipment, and Delivery Requirements" on page 17.)

   ☐ Yes ☐ No

   Comments:

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

   ☐ Yes ☐ No

   Comments:

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

   ☐ Yes ☐ No

5. Does the forklift to be used meet requirements? (See "Forklift" on page 17.)

   ☐ Yes ☐ No

6. 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 19.)

   ☐ Yes ☐ No

Comments:

7. 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:

8. Does the electrical supply meet the requirements listed in "Electrical Connections" on page 5

   ☐ Yes ☐ No

Comments:

9. Do the voice and data lines meet the requirements listed in "Network, Remote Support, and Telephone Requirements" on page 11?

   Yes No Voice number: _____

Comments:

10. Did you receive a Site Preparation kit? If not, please consult with your service representative.

    ☐ Yes ☐ No

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 800 output devices.

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 Magnus 800 Output Devices 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: _____

Kodak

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