

Xerox[®] 490/980[™] Color Continuous Feed Printing System Product Safety Guide



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1. Safety Notices

Safety Notices

Please read this guide carefully prior to using the machine and refer to it frequently to maintain your personal safety as well as avoiding damage to the Xerox 490/980 Color Continuous Feed Printing System (the machine).

Electrical Safety



Warning

Do connect the power plug only to a properly rated power outlet. "Two" power specifications are listed below. The specifications that apply to your machine depend on your machine configuration. Otherwise, it can cause fire or electric shocks. If in doubt, contact your Xerox 490/980 Customer Support Center.

AC200 V – 240 V, 3-Phase 50/60 Hz

AC380 V – 415 V, 3-Phase 50/60 Hz

Do not attempt to rework, pull, bend, twist, or otherwise damage the power cord to avoid fire and electric shock. Do not place a heavy object on the cord.

Do switch off and unplug the machine before accessing the interior of the machine for cleaning, maintenance, or fault clearance to avoid electric shocks.

Do switch off and unplug the machine when it is not used over an extended period of time. If an unused machine is left connected to a power source for a long period, degraded insulation can cause short circuits, electric shocks, or fire.

Do connect the ground wire to the ground terminal of the distribution switchboard to prevent electric shock, short circuit and/or fire.

Do not place the machine in a hot, humid, dusty, or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shocks.



Caution

Do call for service each time the machine needs to have an emergency stop.

Do use power cables that are a minimum size of 8 AWG.

Do use a clamp tool to install terminals on the wire, which should have the following vendor or equivalent specifications: JST Mfg. Co. Ltd.; Type Tool: R 22-8; UL file #: E 42024.

Do use wires suitable for at least 75 degrees Celsius for power connections.

Do use only conductor wire made of copper.

Do not use the power cord if it is broken or insulated wires are exposed. Call our customer support representatives for a replacement.

Do stop operation immediately if your machine produces smoke, excessive heat, unusual noise, odor, or if water is spilled on the machine. These conditions can cause a fire. Immediately switch off, unplug the machine, and call for service.

Do unplug the machine and check the power cord for the following once a month:

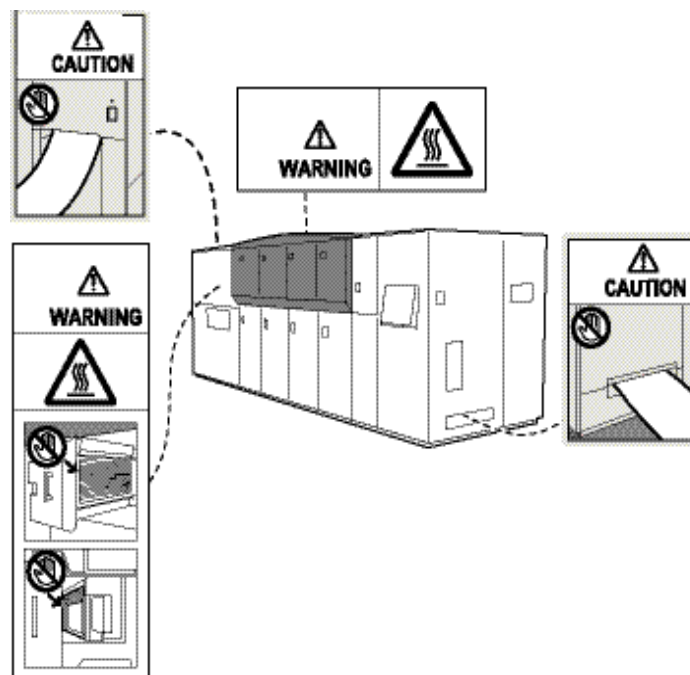
- The power cord is plugged firmly into a receptacle.
- The plug is not excessively heated, rusted, or bent.
- The plug and receptacle are free of dust.
- The cord is not cracked or frayed.

Do call for service if any unusual conditions are observed.

Never connect the ground wire into any of the following.

- Gas pipe, which can be ignited and explode.
- Telephone line ground wire or lightning rod, which can draw an excessive electric current if hit by lightning.
- Water faucet or pipe whose electrical conductivity is broken by a non-metal part.

Machine Installation



**Caution**

Do not place the machine near heaters or volatile, flammable, or combustible materials that may catch fire, such as curtains.

Do have the machine installed on a level surface that can adequately support the weight. If the machine falls, it may cause injuries. One simplex printing system weights about 12,787 pounds (5,800 kg).

Do ensure that the machine is installed with a minimum clearance of 4.25 feet (1,300 mm) from the rear vent to the wall. The machine has ventilation holes on the rear panel. A poorly ventilated machine can cause excessive internal heat and fire. The diagram in the user guide shows the minimum clearances required for normal operation, consumables replacement, and maintenance to ensure your machine operates at peak performance. Your Xerox representative will provide necessary support for the proper installation of the machine.

Do ensure that an external heat exhaust vent is installed at your site during the machine installation.

Do not attempt to relocate the machine. Please call for service.

Operational Safety

**Warning**

Do not place any liquid container or coffee cup on the machine. Spilled water can cause a fire or shock hazard.

Do not place any metal parts such as staples or clips on the machine. If metal or flammable parts get into the machine, they can short circuit internal components, and cause fire or electric shocks.

Do ensure that all printers are powered off before disconnecting all cables.

Do keep toner and developer away from your eyes and mouth. If the developer gets on your skin during replacement, immediately wash it off. If developer gets into your eyes or mouth, consult a doctor immediately.

Do consult your doctor if toner particles are ingested for long periods of time.

Do not allow debris (metal or liquid) to get into the machine. If this should occur, switch it off and unplug the machine. Contact our customer support representatives. Operating a debris-contaminated machine can cause fire or electric shocks.

Do not open or remove machine covers that are secured with screws unless specifically instructed in the Printer Operation Guide. Exposing a high voltage component can cause electric shocks.

Do not try to alter the machine configuration, or modify any parts. An unauthorized modification can cause smoke or fire.

Do use caution when using the cutter to avoid injury to your fingers.

Do not place a magnet near the safety switch of the machine. A magnet can activate the machine accidentally, resulting in injuries.

Do not place a heavy object on the machine. An off-balance machine can tip over causing injuries.

Do not perform any operation apart from the instructions given in the manual to avoid the danger of laser beam leakage. This equipment is certified as a Class 1 laser product under [IEC60825-1]. This means that the machine does not emit hazardous laser radiation. Since radiation emitted inside the machine is completely confined within the protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

Do not touch areas labelled as "High Voltage" to prevent electric shock.

Do not touch a labelled area on or near the heater to avoid injuries or burns.

Do ensure the printer is properly ventilated. Operating the product for a long time period or making a large volume of prints at one time may degrade the work environment if the room is not well ventilated. The product emits chemical substances during the print cycle that can cause a noticeable order if improperly ventilated.

Do not release the cover until it is completely raised. The cover may slam down and cause injuries.

Do not pull paper from inside the fuser while the fuser green lamp is Off. It can cause a fire. When removing jammed paper, make sure that no pieces of torn paper are left in the machine. A piece of paper remaining in the machine can cause fire.

Do not touch the paper while it is being fed in any areas of the machine to avoid possible injury.

Do not touch a labelled area while the machine is operating. Your fingers can be injured by sharp paper edges.

Do not touch a labelled area warning of Pinched Finger Hazard. Your fingers can be injured if caught by moving parts of the machine.

Do use a ladder when working with something above your normal reach.

Do use the green handles which are safe to touch. Orange handles are customer changeable areas.

Do wear gloves when touching loose toner particles.



Caution

Do not use a highly flammable spray or solvent near the machine to avoid fire.

Do place a service call if the machine required an Emergency Stop.

Do not open the Fuser Cover while the green lamp is Off. Gently open the door after the lamp goes on.

Consumables



Caution

Do not throw developer or a developer container into an open flame. This action may cause an explosion.

Do use only the vacuum provided by your customer service representative to clean spilled toner.

Do not use a household vacuum cleaner to clean spilled toner. As the toner fills the vacuum cleaner it can cause sparks and lead to explosion. Use a broom or a wet non-woven cloth to clean toner spills if the toner vacuum is not available.

Do use the specified toner cartridges to avoid degraded print quality an/or damage to the machine.

Do turn off the power distribution board breaker located in the printer installation space as a safety precaution.

Do not use conductive paper, such as folding paper, carbon paper or coated paper that can cause a paper jam and cause the machine to short circuit.

For European Markets

This product complies with IEC's safety standard 60825-1 (Edition 1.2) issued August 2001.

The equipment complies with laser product performance standards set by governmental, national, and international agencies as a Class 1 Laser Product. It does not emit hazardous radiation as the beam is totally enclosed during all phases of customer operation and maintenance.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This product contains laser warning labels. These labels are intended for use by the Xerox Service Representative and are placed on or near panels or shields that require special tools for removal. Do not remove any of the panels. There are no operator serviceable areas inside these covers.

If you need additional safety information concerning the product or Xerox supplied materials, you may call the following number:

+44 (0) 1707 353434

This Xerox product is Safety Certified by NEMKO to publication IEC60950-1 (2001) First Edition.

Certifications in Europe



The CE marking that is applied to this product symbolizes Xerox Declaration of Conformity with the following applicable Directives of the European Union as of the dates indicated:

December 12, 2006 Council Directive 2006/95/EC as amended. Approximation of the laws of the member states related to low voltage equipment.

December 15, 2004 Council Directive 2004/108/EC as amended. Approximation of the laws of the member states related to electromagnetic compatibility.

A full declaration of conformity, defining the relevant directives and referenced standards, can be obtained from your Authorized local dealer.

You may also contact:

Environment, Health and Safety
The Document Company Xerox
Bessemer Road
Welwyn Garden City
Herts
AL7 1HE
England
Tel Number +44 (0) 1707 353434



Caution

This system is certified manufactured and tested in compliance with strict safety and radio frequency interference regulations. Any unauthorized alteration which includes the addition of new functions or the connection of external devices may impact this certification. Please contact your local Xerox Limited representative for a list of approved accessories.

In order to allow this equipment to operate in proximity to Industrial, Scientific, and Medical (ISM) equipment, the external radiation from the ISM equipment may have limited or special mitigation measures taken.

This is a Class A product in a domestic environment. This product may cause radio frequency interference in which case the user may be required to take adequate measures.

Shielded cables must be used with this equipment to maintain compliance with Council Directive 89/336/EEC.

Information for users on collection and disposal of old equipment and used batteries



These symbols on the products, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on disposal in other countries outside the European Union

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol

This wheeled bin symbol may be used in combination with a chemical symbol. This establishes compliance with the requirements set out by the Directive.

Removal



Batteries should only be replaced by a MANUFACTURER approved service facility.

Legal Notice

Copying or printing of certain documents may be illegal in your country. Penalties, fines and/or imprisonment may be imposed on those found guilty. The following are examples of items that may be illegal to copy or print in your country.

- Currency
- Banknotes and checks
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

This list is not all inclusive and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.

Disposal of Hazardous Waste

Xerox operates a worldwide equipment takeback and reuse/recycle program. Contact your Xerox sales representative (1-800-ASK-XEROX) to determine whether this Xerox product is part of the program. For more information about Xerox environmental programs, visit www.xerox.com/environment.

If you are managing the disposal of your Xerox product, please note that the product contains lamp(s) with mercury, and may contain lead, Perchlorate and other materials whose disposal may be regulated due to environmental considerations. The presence of these materials is fully consistent with global regulations applicable at the time that the product was placed on the market. For recycling and disposal information, contact your local authorities. In the United States, you may also refer to the Electronic Industries Alliance web site: <http://www.eiae.org/>

Perchlorate Material - This product may contain one or more Perchlorate-containing devices, such as batteries. Special handling may apply, please see <http://www.dtsc.ca.gov/HazardousWaste/Perchlorate/index.cfm>

Export Regulations

Products subject to ordinary export regulations

Export of this product is strictly limited in accordance with the Laws concerning Foreign Exchange and Foreign Trade and/or the export control regulations of the United States. This product may be strictly limited to be exported in accordance with the laws of your country. If you wish to export this product, you must obtain all appropriate export licenses from the government of your country or its agency and/or re-export approval from the U.S. Government or its agency.

Products subject to supplementary export regulations

Export of this product is strictly limited in accordance with the Laws concerning Foreign Exchange and Foreign Trade and/or the export control regulations of the United States. This product may be strictly limited to be exported in accordance with the laws of your country. If you know the product is to be used, or was used for development, manufacturing or use of any mass destructive weapons including nuclear weapons, chemical weapons or biological weapons because of a dealing document such as legal contract or information from the importer, you must obtain appropriate export licenses from the government of your country or its agency and/or re-export approval from the U.S. Government or its agency.

Specifications

Item		Specification
Emulation		IPDS
Connection		FTR/LPR server / IPDS Ethernet
Font		PS Font
Network protocol		TCP/IP: FTP/LPR/IPDS Ethernet
Printing method		Dry electrophotographic printing by LED recording
Printing type		Four color tandem engine and process color print
Output resolution		600 × 600dpi
Printing speed		464 ppm at A4/2-up, simplex/493 ppm at Letter/2-up simplex 900 ppm at A4/2-up, duplex/986 ppm at Letter/2-up duplex
Paper Size	Width	8.3 - 19.5 inches (210.0 to 495.3 mm)
	Lengths	Pinless: 3.0 – 28 inches, in 1/6 inch increments (76.2 to 711.2 mm) Pinfed: 3.0 – 28 inches, 1/2 increments (76.2 to 711.2 mm)
Paper quality		High-grade, and recycled paper
Paper weight		64 to 160 gsm (Ream weight: 35 – 135 kg)

Item		Specification
Dimensions	Printer	(W) 16.4 ft/5,000 mm × (D) 5.6 ft/1,708 mm × (H)6.9 ft/ 2,100 mm
	Feeder Station	(W) 3.6 ft/1,100 mm × (D) 5.4 ft/1,636 mm × (H) 6.1 ft/1,859 mm
	Printer Station	(W) 4.4 ft/1,350 mm × (D) 5.6 ft/1,708 mm × (H) 6.9 ft/2100 mm
	Fuser Station	(W) 4.8 ft/1,450 mm × (D) 5.4 ft/1,636 mm × (H) 6.1 ft/1,859 mm
	Transformer (2 required for one printer-400V model only)	(W) 1.3 ft/400 mm × (D) 2 ft/600 mm × (H) 2.5 ft/780 mm
Weight	Printer	12,786 pounds (5,800 kg)
	Feeder Station	2,359 pounds (1,070 kg)
	Printer Station 2	3,505 pounds (1,590 kg)
	Fuser Station	3,417 pounds (1,550 kg)
	Transformer (2 required for one printer-400V model only)	593 pounds (269 kg)
Power source	200 V	AC 200 – 240 V, 3-Phase, 50/60 Hz
	400 V	AC 380 – 415 V, 3-Phase, 50/60 Hz
Power consumption	Printing (200 V)	61 KVA/174 A
	Standby (200 V)	5.9 KVA/17 A
	Printing (400 V)	61 KVA/87 A
	Standby (400 V)	5.9 KVA/8.5 A
Sound level	Printing	9.9 (B) / 103db
	Standby	7.9 (B) / 83db
Ambient temperature		59 – 86° F (15 – 30° C)
Relative humidity		30 – 65% RH

Acoustic Noise Performance Warning

Equipment Operating in EU/EEA Member States

In some operating modes noise emissions may be greater than the first action limit specified in Directive 2003/10/EC (Noise Directive).

Employers should consider what steps they need to take under their national health and safety laws or regulations which implement the Noise Directive, or any other similar requirements applicable to them.

Operating Conditions	Sound Pressure Operator Position dB(A)	Sound Power B(A)
Standby (Ready)	58	7.9
Continuous (Printing)	78	9.9

