Enhanced High Capacity Stacker Operator Manual for DocuColor 2060/2045

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Safety Notices

This Xerox digital press and the recommended supplies have been designed and tested to meet strict safety requirements. Attention to the following notes will ensure the continued safe operation of your digital press.

Electrical Safety

- Use only the power cord supplied with this equipment.

- Plug the power cord directly into a correctly grounded electrical outlet. Do not use an extension cord. If you do not know whether or not an outlet is grounded, consult a qualified electrician.

- Do not use a ground adapter plug to connect this equipment to an electrical outlet that lacks a ground connection terminal.

WARNING: You may get a severe electrical shock if the outlet is not correctly grounded.

- Do not place the press where people may step on or trip on the power cord. Do not place objects on the power cord.

- Do not override or disable electrical or mechanical interlocks.

- Do not obstruct the ventilation openings. These openings are provided to prevent overheating of the machine.

WARNING: *Never push objects of any kind into slots or openings on this equipment. Making a contact with a voltage point or shorting out a part could result in fire or electrical shock.*

If any of the following conditions occur, immediately switch off the power to the machine and disconnect the power cord from the electrical outlet. Call an authorized Xerox service representative to correct the problem.

– The machine emits unusual noises or odors.

– The power cord is damaged or frayed.

– A wall panel circuit breaker, fuse, or other safety device has been tripped.

– Liquid is spilled into the press.

– The machine is exposed to water.

– Any part of the machine is damaged.

Disconnect Device

The power cable is the disconnect device for this equipment. It is attached to the back of the machine as a plug-in device. To remove all electrical power from the machine, disconnect the power cable from the electrical outlet.

Laser Safety

Use of controls, adjustments, or procedures other than those specified in this documentation may result in a hazardous exposure to laser radiation.

This equipment complies with international safety standards.

With specific regard to laser safety, the equipment complies with performance standards for laser products set by government, national, and international agencies as a Class 1 laser product. It does not emit hazardous light, as the beam is totally enclosed during all phases of customer operation and maintenance.

Maintenance Safety

- Do not attempt any maintenance procedure that is not specifically described in the documentation that is supplied with your press.

- Do not use aerosol cleaners. The use of supplies that are not approved may cause poor performance of the press, and could create a dangerous condition.

- Use the supplies and cleaning materials only as directed in this manual. Keep all of these materials out of the reach of children.

- Do not remove the covers or guards that are fastened with screws. There are no parts behind these covers that you can maintain or service.

Do not perform any maintenance procedures unless you have been trained to do them by a Xerox representative, or unless a procedure is specifically described in one of the manuals included with your press.

Operational Safety

Your Xerox equipment and supplies were designed and tested to meet strict safety requirements. These include safety agency examination, approval, and compliance with established environmental standards.

Your attention to the following safety guidelines will help ensure the continued safe operation of your digital press:

- Use the materials and supplies specifically designed for your digital press. The use of unsuitable materials may result in poor performance of the machine and possibly a hazardous situation.

- Follow all warnings and instructions that are marked on or supplied with the machine.

- Place the machine in a room that provides adequate space for ventilation and servicing.

- Place the machine on a level, solid surface (not on a thick pile carpet) that has adequate strength to support the weight of the machine.

- Do not attempt to move the machine. A leveling device that was lowered when your machine was installed may damage the carpet or floor.

- Do not set up the machine near a heat source.

- Do not set up the machine in direct sunlight.

- Do not set up the machine in line with the cold air flow from an air conditioning system.

- Do not place containers of coffee or other liquid on the machine.

- Do not block or cover the slots and openings on the machine.

- Do not attempt to override any electrical or mechanical interlock devices.

WARNING: *Be careful when working in areas identified with this warning symbol. These areas may be very hot and could cause personal injury.*

If you need any additional safety information concerning the machine or materials, contact your Xerox representative.

Ozone Safety

This product produces ozone during normal operation. The ozone is heavier than air, and the quantity is dependent on print volume. Providing the correct environmental parameters, as specified in the Xerox installation procedures, ensures that concentration levels meet safe limits.

If you need additional information about ozone, request the Xerox publication, *OZONE*, 600P83222, by calling 1-800-828-6571 in the USA. For a French language version, call 1-800-828-6571 in the USA, then press 2.

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Notices

Radio Frequency Emissions

FCC in the USA

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the Federal Communications Commission Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

Changes or modifications to this equipment not specifically approved by the Xerox Corporation may void the user's authority to operate this equipment.

Shielded cables must be used with this equipment to maintain compliance with FCC regulations.

In Canada

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as defined in the Radio interference regulations of Industry Canada.

Safety Extra Low Voltage Approval

This Xerox digital press is in compliance with various governmental agencies and national safety regulations. All system ports meet the Safety Extra Low Voltage (SELV) circuits for connection to customer-owned devices and networks. Additions of customer-owned or third-party accessories that are attached to the press must meet or exceed the requirements previously listed. All modules that require external connection must be installed per the installation procedure.

Certifications in Europe

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

January 1, 1995: - Council Directive 73/23/EEC amended by Council Directive 93/68/EEC, approximation of the laws of the member states related to low voltage equipment.

January 1, 1996: - Council Directive 89/336/EEC, approximation of the laws of the member states related to electromagnetic compatibility.

Changes or modifications to this equipment not specifically approved by Xerox Europe may void the user's authority to operate the equipment.

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

This equipment is not primarily intended for use in a domestic environment.

A full declaration defining the relevant Directives and referenced standards can be obtained from your Xerox Europe representative.

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

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

It's Illegal in the USA

Congress, by statute, has forbidden the reproduction of the following subjects under certain circumstances. Penalties of fine or imprisonment may be imposed on those guilty of making such reproductions.

1. Obligations or Securities of the United States Government, such as:

Certificates of Indebtedness	National Bank Currency
Coupons from Bonds	Federal Reserve Bank Notes
Silver Certificates	Gold Certificates
United States Bonds	Treasury Notes
Federal Reserve Notes	Fractional Notes
Certificates of Deposit	Paper Money

   Bonds and Obligations of certain agencies of the government, such as FHA, etc.

   Bonds. (U.S. Savings Bonds may be photographed only for publicity purposes in connection with the campaign for the sale of such bonds.)

   Internal Revenue Stamps. (If it is necessary to reproduce a legal document on which there is a canceled revenue stamp, this may be done provided the reproduction of the document is performed for lawful purposes.)

   Postage Stamps, canceled or uncanceled. (For philatelic purposes, Postage Stamps may be photographed, provided the reproduction is in black and white and is less than 75% or more than 150% of the linear dimensions of the original.)

   Postal Money Orders.

   Bills, Checks, or Drafts of money drawn by or upon authorized officers of the United States.

   Stamps and other representatives of value, of whatever denomination, which have been or may be issued under any Act of Congress.

2. Adjusted Compensation Certificates for Veterans of the World Wars.

3. Obligations or Securities of any Foreign Government, Bank, or Corporation.

4. Copyrighted material, unless permission of the copyright owner has been obtained or the reproduction falls within the "fair use" or library reproduction rights provisions of the copyright law. Further information of these provisions may be obtained from the Copyright Office, Library of Congress, Washington, D.C. 20559. Ask for Circular R21.

5. Certificates of Citizenship or Naturalization. (Foreign Naturalization Certificates may be photographed.)

6. Passports. (Foreign Passports may be photographed.)

7. Immigration Papers.

8. Draft Registration Cards.

9. Selective Service Induction Papers that bear any of the following Registrant's information:

Earnings or Income   Dependency Status

Court Record   Previous military service

Physical or mental condition

Exception: United States military discharge certificates may be photographed.

10. Badges, Identification Cards, Passes, or Insignia carried by military personnel, or by members of the various Federal Departments, such as FBI, Treasury, etc. (unless photograph is ordered by the head of such department or bureau.)

Reproducing the following is also prohibited in certain states: Automobile Licenses - Drivers' Licenses - Automobile Certificates of Title.

The above list is not all inclusive, and no liability is assumed for its completeness or accuracy. In case of doubt, consult your attorney.

It's Illegal in Canada

Parliament, by statute, has forbidden the reproduction of the following subjects under certain circumstances. Penalties of fines or imprisonment may be imposed on those guilty of making such copies.

1. Current bank notes or current paper money.

2. Obligations or securities of a government or bank.

3. Exchequer bill paper or revenue paper.

4. The public seal of Canada or of a province, or the seal of a public body or authority in Canada, or of a court of law.

5. Proclamations, orders, regulations or appointments, or notices thereof (with intent to falsely cause same to purport to have been printed by the Queen's Printer for Canada, or the equivalent printer for a province).

6. Marks, brands, seals, wrappers or designs used by or on behalf of the Government of Canada or of a province, the government of a state other than Canada or a department, board, Commission or agency established by the Government of Canada or of a province or of a government of a state other than Canada.

7. Impressed or adhesive stamps used for the purpose of revenue by the Government of Canada or of a province or by the government of a state other than Canada.

8. Documents, registers or records kept by public officials charged with the duty of making or issuing certified copies thereof, where the reproduction falsely purports to be a certified copy thereof.

9. Copyrighted material or trademarks of any manner or kind without the consent of the copyright or trademark owner.

The above list is provided for your convenience and assistance, but it is not all inclusive, and no liability is assumed for its completeness or accuracy. In case of doubt, consult your solicitor.

Environmental Notices for the USA

As an ENERGY STAR® partner, Xerox Corporation has determined that the basic configuration of this networked printer meets the ENERGY STAR guidelines for energy efficiency.

The ENERGY STAR name and logo are registered United Stated trademarks.

The ENERGY STAR Office Equipment Program is a team effort between U.S., European Union and Japanese governments and the office equipment industry to promote energy-efficient copiers, printers, fax, multifunction machines, personal computers, and monitors. Reducing product energy consumption helps combat smog, acid rain and long-term changes to the climate by decreasing the emissions that result from generating electricity.

Xerox ENERGY STAR equipment is preset at the factory to enter a "low power" state and/or shut off completely after a specified period of use. These energy-saving features can reduce product energy consumption in half when compared to conventional equipment.

Environmental Notices for Canada

Terra Choice Environmental Services, Inc. of Canada has verified that this Xerox product conforms to all applicable Environmental Choice EcoLogo requirements for minimized impact to the environment.

As a participant in the Environmental Choice program, Xerox Corporation has determined that this digital press model meets the Environmental Choice guidelines for energy efficiency.

Environment Canada established the Environmental Choice program in 1988 to help consumers identify environmentally responsible products and services. Copier, printer, digital press, and fax products must meet energy efficiency and emissions criteria, and exhibit compatibility with recycled supplies. Currently, Environmental Choice has more than 1600 approved products and 140 licensees. Xerox has been a leader in offering EcoLogo approved products. In 1996, Xerox became the first company licensed to use the Environmental Choice EcoLogo for its copiers, printers, and fax machines.

Product Recycling and Disposal

Xerox operates a worldwide equipment takeback and reuse/recycle program. Contact your Xerox sales representative to determine whether this Xerox product is part of the program. For more information about Xerox environmental programs, visit www.xerox.com (refer to the "About Xerox" section).

If your product is not part of the Xerox program and you are managing its disposal, please note that the product may contain lead, mercury and other materials whose disposal may be regulated due to environmental considerations. For recycling and disposal information, contact your local authorities. In the United States, you may also refer to the Electronic Industries Alliance web site at www.eiae.org.

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Conventions

Standardized conventions have been used in this manual to assist you in visually locating and identifying information quickly.

Symbols

CAUTION: *This symbol alerts you to an action that may cause damage to hardware, software, or result in the loss of data.*
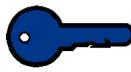
WARNING: **Warnings alert you to an action that may cause bodily injury.**

WARNING: *This symbol identifies an area on the machine that is **HOT** and may cause burn injuries.*

WARNING: *This symbol indicates a laser is being used in the machine and alerts you to refer to the appropriate safety information.*

KEY POINT*: This symbol identifies information that is being emphasized and is important for you to remember.*
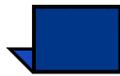
The 1 2 3... symbol indicates the beginning of a task or work process you should use to complete a procedure and is followed by the first step of a numbered procedure, task, or work process.

1

2

3

NOTE: *This symbol calls your attention to information that is helpful, but not essential to complete a procedure or task.*

Writing Style Conventions

- **Bold** type indicates the name of a button to press or touch.

- <u>Underlining</u> is used to emphasize a word or term.

- Italic type is used for the text associated with symbols such as Cautions, Notes, Key Points, etc. to visually bring the information to your attention.

- Italic type is also used to indicate names, such as the name of a chapter, or the name of a screen.

- Procedures direct you to <u>press</u> buttons located on the Control Panel, and <u>touch</u> buttons located on the Touch Screen.

- Text referring to illustrations or screen samples <u>precedes</u> the image.

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Enhanced high capacity stacker

The Enhanced High Capacity Stacker (EHCS) is an optional finishing device that provides stacking and offsetting capabilities for output to a Stacker Tray. The EHCS connects to the right side of the digital press and replaces the Offset Catch Tray.

The Stacker Tray has a capacity of 3500 sheets of 24 lb (90 g/m^2) centerline paper (or 370mm high). The Top Tray has a capacity of 250 sheets of 24 lb 90 gm^2 centerline paper. The EHCS is supplied with two Stacker Carts. If needed, you can purchase an additional Stacker Cart. Contact your Xerox representative for further details.

With the EHCS you can:

• select Offset Mode when collated sets are sent to the Stacker Tray (also known as the main tray).

• send documents to the top tray.

• send mixed sizes of paper to either the Stacker Tray or the Top Tray.

• send a sample set to the Top Tray.

Identifying the Parts

Top Tray

Control Panel
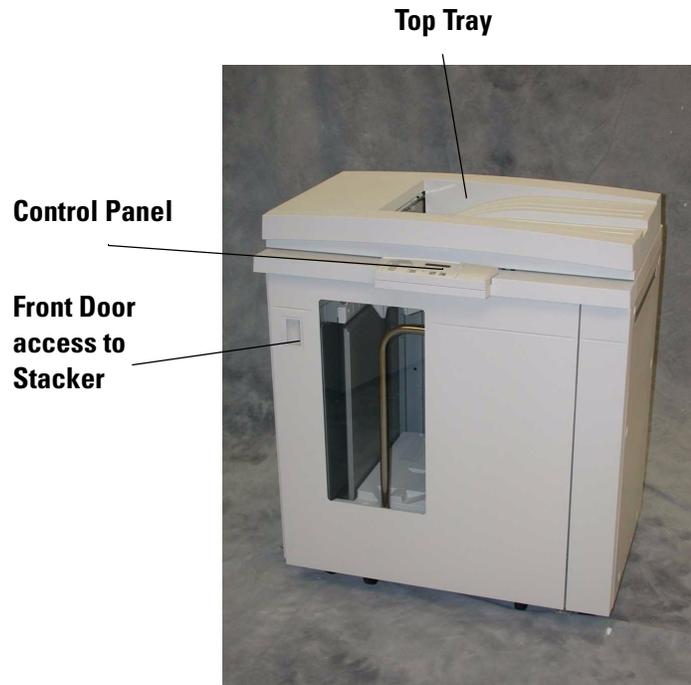
Front Door access to Stacker

Figure 1. Enhanced High Capacity Stacker

Control Panel
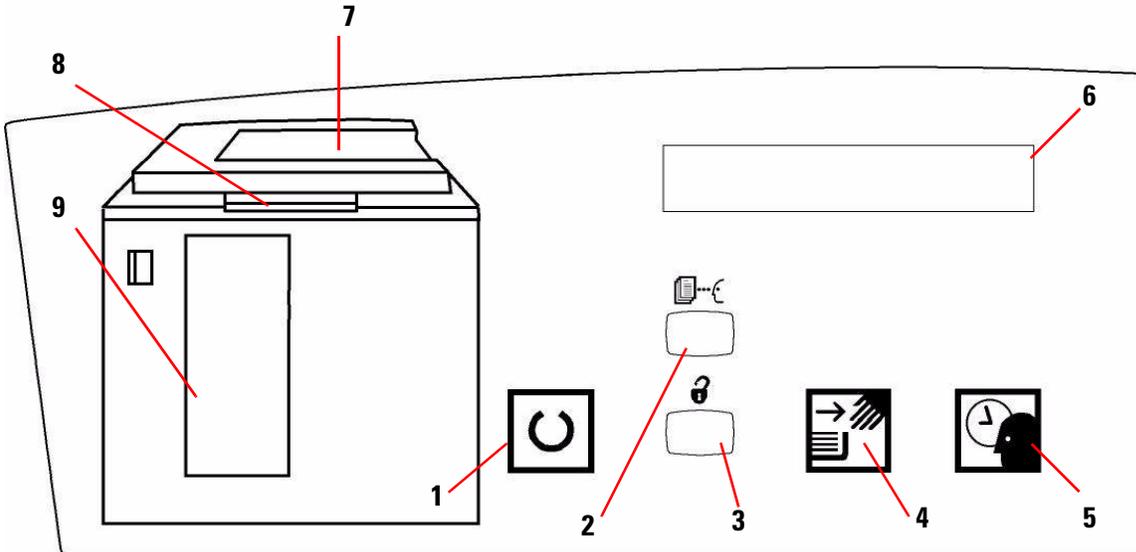
Figure 2. EHCS Control Panel

	Name	Function
1	Ready light	The Ready light blinks during initialization and is constant when the EHCS is in use or in standby mode.
2	Sample set button	Press to have the EHCS deliver the next collated set to the top tray.
3	Unload button	Press once to lower the Stacker Tray and unlock the front door. If pressed while running a job, all sheets in the paper path are delivered before the Stacker Tray starts to lower.
4	Unload light	Illuminates when the Stacker Tray has reached the down position and the front door can be opened.
5	Wait light	Blinks when the Stacker Tray is moving up or down.
6	Fault code display	Refer to the fault code table later in this section.
7	Top tray jam area	Blinks when there is a jam.
8	Bypass jam area	Blinks when there is a jam.
9	Stacker tray jam area	Blinks when there is a jam or the door is open.
	Keypad	Used by the service representative for diagnostics (not shown). The keypad is located on the front right of the control panel.

Paper Path

KEY POINT:

Labels must be sent to the Top Tray.

Top Tray

Sheets are transported to the Top Tray:

- When sheets are purged after a paper jam.
- When the Sample Set button is selected.
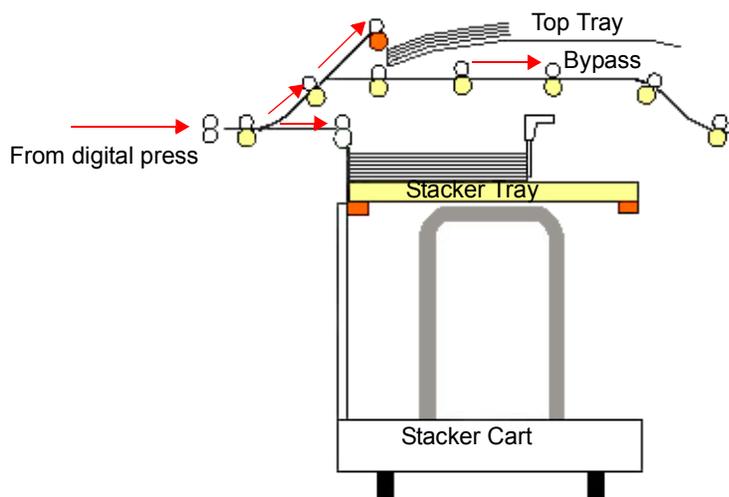- When selected as an Output Location.

Figure 3. EHCS Paper Paths

Stacker Tray

Collated sets are transported to the Stacker Tray.

Bypass

The Bypass transports collated sets through the EHCS to a connected finishing device.

Paper Guidelines

- Stacker Tray will accept 64 - 280 g/m^2 - either coated or uncoated stock with possibility of degraded stock quality and increased jam rate

- Transparencies may be run to either the Top Tray or the Stack Tray. Stack height should be limited to 100 transparencies.

- Coated paper lighter than 100 g/m^2 may not run as reliably as coated paper heavier than 100 g/m^2.

- Non-standard papers longer than 305 mm (12") in the feed direction require 210 mm (8.3") minimum measurement across the feed direction.

- Non-standard papers shorter than 254 mm (10") in the cross-feed direction require 330 mm (13") minimum measurement in the feed direction.

Recommended Baseline/Centerline

The following papers are considered to be baseline/centerline and are recommended to ensure you receive the best quality from your EHCS:

- Uncoated: Xerox Digital Color Xpressions +, 90 g/m^2, 24 lbs. In Europe, Xerox Digital Color Colotech+ 90 g/m^2.

- Coated: Xerox Digital Color Gloss Coated Text (120 g/m^2 /80 lbs.) In Europe, Xerox Digital Color Colotech + Gloss Coated 120 g/m^2.

Paper Specifications

Paper Size			Output		
Industry Designation	Inches	Orientation	Stacker Tray 64 - 280 g/m^2	Bypass 64 - 280 g/m^2	Top Tray 64 - 280 g/m^2
B5	7.2 x 10.1	SEF	No	No	Yes
B5	7.2 x 10.1	LEF	Yes	Yes	Yes
A4	8.3 x 11.7	SEF	No	Yes	Yes
Letter	8.5 x 11	SEF	No	Yes	Yes
	8.5 x 13	SEF	Yes	Yes	Yes
Legal	8.5 x 14	SEF	Yes	Yes	Yes
B4	10.1 x 14.3	SEF	Yes	Yes	Yes
	11 x 14.9	SEF	Yes	Yes	Yes
Tabloid	11 x 17	SEF	Yes	Yes	Yes
A3	11.7 x 16.5	SEF	Yes	Yes	Yes
	12 x 18	SEF	Yes	Yes	Yes
SRA3	12.6 x 19.2	SEF	Yes	Yes	Yes
	8 x 10	LEF	Yes	Yes	Yes
A4	8.3 x 11.7	LEF	Yes	Yes	Yes
Letter	8.5 x 11	LEF	Yes	Yes	Yes
Kai8	10.5 x 15.3	SEF	Yes	Yes	Yes
Kai16	10.5 x 7.6	LEF	Yes	Yes	Yes
Transparencies	A4 & Letter	LEF	Yes*	Yes*	Yes*
Labels	A4 & Letter	LEF	No	Yes*	Yes*

*Customer recommendation is to run stacks of less than 100, but there is no system limit on customer selection.

NOTE: *LEF means long edge feed and SEF means short edge feed.*

Unloading the Stacker Tray

Use the following procedure to unload the Stacker Tray when it is full, or you want to retrieve a job that has been completed.

1 Press the **Unload** button on the Stacker Control Panel. The Wait light blinks until the Stacker Tray has reached the down position.

2 Open the front door when the Unload Light illuminates.

3 Position the securing bar on top of the stacked paper.

4 Pull the Stacker Cart straight out.

5 Remove the securing bar.

6 Remove the paper from the Stacker Tray.

7 Push the empty Stacker Cart straight into the EHCS.

8 Position the securing bar on the fixed area inside the EHCS.

NOTE: *The front door will not close if the securing bar is not properly attached to the stacker frame.*

9 Close the EHCS front door.

10 Follow the instructions displayed on the digital press Touch Screen to resume printing.

Selecting Features

If sending a job through the network, refer to the documentation that came with your color server for information on how to select stacker options on the print driver screens.

Use the following instructions when using the digital press scanner to make prints.

Obtaining a Sample Set

Occasionally you may want to check the image quality during a long run of a print job. To accomplish this, the EHCS provides you with the Sample Set feature.

KEY POINT: A digital press fault may occur if you request a sample set in the following situations:

• Requesting a sample set before the first sheet of a set reaches the Stack Tray

• The output destination is other than the Stack Tray of the EHCS from which the request was programmed.

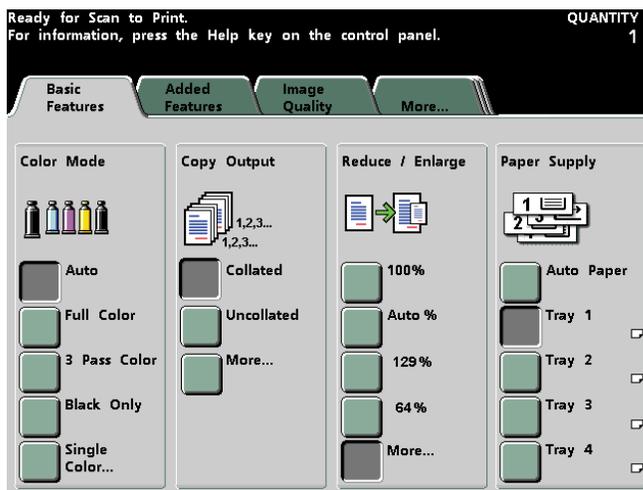**1** From the Basic Screen, select the **More...** button, located on the Copy Output column.

Figure 4. Basic Features Screen

2   On the next screen, make the desired selections under *Output Delivery* and *Output Assembly*, then touch the **Stacker** button.
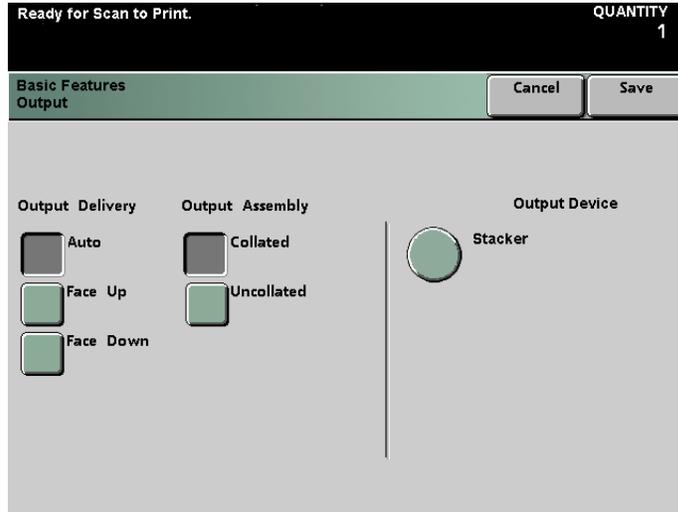

Figure 5. Basic Features Output Screen
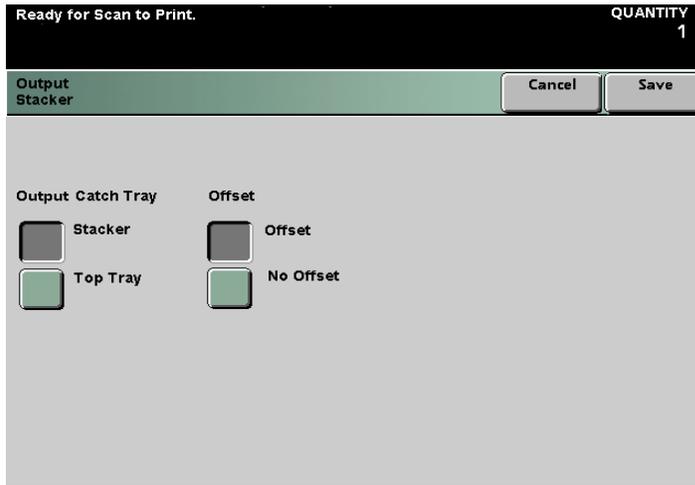
3   Select **Stacker**.

Figure 6. Output Stacker Screen

4   Touch **Save**.

5   When you desire a sample set, press the **Sample Set** button on the stacker control panel. The system will complete the set being stacked, then send the next set to the Top Tray of the stacker.

How to Enable Offset

When the Offset option is selected, each set of sheets is offset by 15 mm (0.6 inches) for easy separation. To enable offset, perform the following:

1 From the Basic Screen, select the **More...** button, located on the Copy Output column.
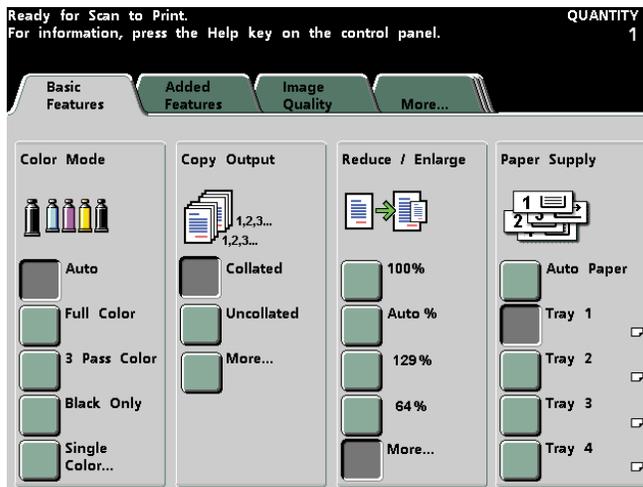

Figure 7. Basic Features Screen

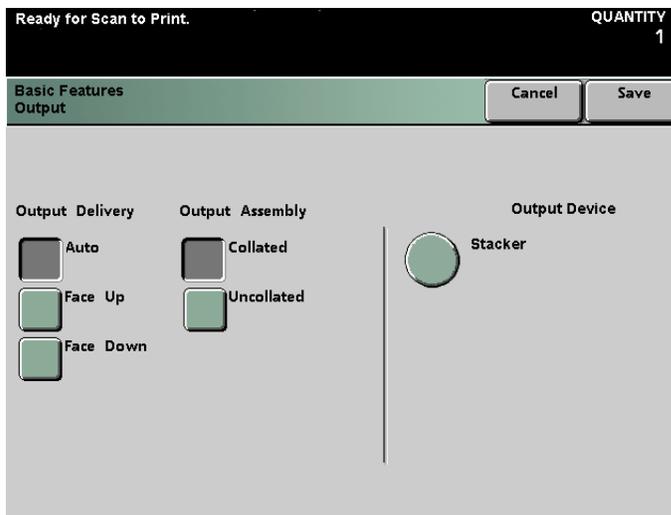**2** Select the **Stacker** button, under the Output Device column.

Figure 8. Basic Feature Output Screen

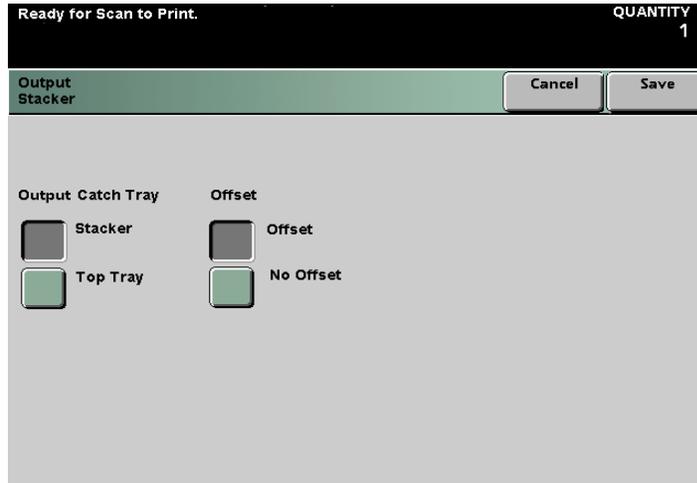**3** Select the following:

- Stacker
- Offset

Figure 9. Output: Stacker Screen

4 Select **Save**.

Jam Clearance

A paper jam in the EHCS will be indicated by a message on the digital press Touch Screen. Follow the instructions displayed. The image on the EHCS Control Panel will flash showing the area where the jam is located.

Clear Bypass area jam

Green Handle

Green Handle

Figure 10. EHCS Bypass Jam Clearance Areas

Perform the following steps to clear the EHCS jam in the Bypass area and resume printing.

1   Lift the EHCS **Top Cover**.

2   Lift the green handle, or handles, indicated on the Touch Screen and remove all paper in the Bypass area. Remove paper only from the areas indicated.

3   Close each green handle.

4   Close the EHCS **Top Cover.**

5   If the Touch Screen indicates there is a jam in the digital press, follow the instructions on the screen to remove any paper in the area indicates. Refer to the *Jam Clearance* section in the *Problem Solving* chapter in this manual.

6   Follow the instructions displayed on the digital press Touch Screen to resume printing.

Clear Top Tray and Stacker Tray paper jams

To clear the Top Tray, remove all paper from the Top Tray.

Perform the following steps to clear a jam from the Stacker Tray area and resume printing.

1 Press the **Unload** button on the Stacker Control Panel. The Wait light blinks until the Stacker Tray has reached the down position.

2 Open the front door when the Unload Light illuminates.

3 Position the securing bar on top of the stacked paper.

4 Pull the Stacker Cart straight out.

5 Reach into the Stacker and remove any jammed paper.

6 Push the Stacker Cart straight into the EHCS.

7 Position the securing bar on the fixed area inside the EHCS.

NOTE: *The front door will not close if the securing bar is not properly attached to the stacker frame.*

8 Close the EHCS front door.

9 Follow the instructions displayed on the digital press Touch Screen to resume printing.

Maintenance

Do not clean any area inside the EHCS. If the covers or Front Door require cleaning, dampen a paper towel or soft, clean cloth with a liquid, nonabrasive glass cleaner or water.

To avoid damage to the EHCS, do not pour or spray the cleaner or water directly onto the EHCS. Always apply the liquid to the cloth first.

Do not use any other cleaners or solvents on the EHCS as they may interact with the paint on the covers, eventually causing the paint to peel.

Problem Solving

If, after following the recommended solutions, the problem persists, call for assistance.

The Fault Codes described below appear on the EHCS display panel.

Fault Code	Cause	Solution
212 100 212 110 212 120 212 130 212 140 212 900	Paper jam	A jam occurred during feeding. Remove sheets from jam clearance areas. Open and close the top cover and front door. A purge sheet may eject to the top tray.
212 251 212 252 212 253 212 254	Stacker problem	Power off, then power on.
212 302	Top Cover open	Close the top cover.
212 540	Stacker tray full	Empty the Stacker Tray.
212 541	Stacker tray position	• Press the Unload button. The Wait light blinks until the Stacker Tray has reached the down position. • When the Stacker Tray has reached the down positon, open the front door. • Remove the Stacker Cart. • Remove all stacked paper. • Position the Stacker Cart securely into the EHCS. • Close the front door.
212 542	No Stacker Cart	Open the front door. Remove the Stacker Cart from the EHCS. Position the Stacker Cart securely into the EHCS. Close the front door
212 544	Door open	Close the door

Loss of Power

If power is interrupted to the EHCS:

- Ensure the power cord is plugged in to the proper wall receptacle.

- Ensure that the digital press power is on and the Ground Fault Indicator is in the On position.

- If the power has not been restored by the above procedure, call Xerox Customer Support.

Also call your Xerox service representative if the loss of power to the EHCS seems to be frequent or excessive.