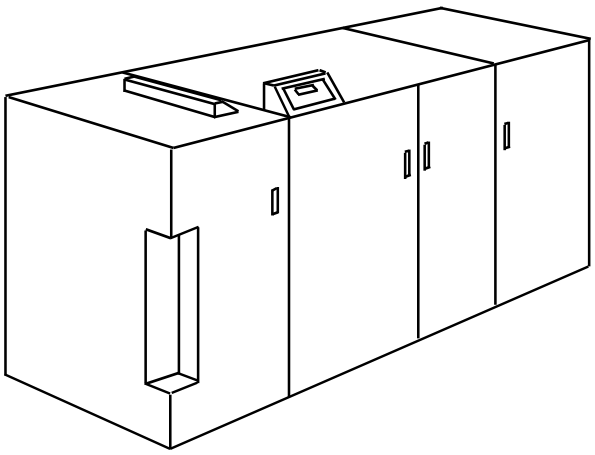
GBC

FusionPunch II

User Guide
Manuale dell'utente
Bedienungsanleitung
Gebruikershandleiding
Guide d'opération
Guía del usuario



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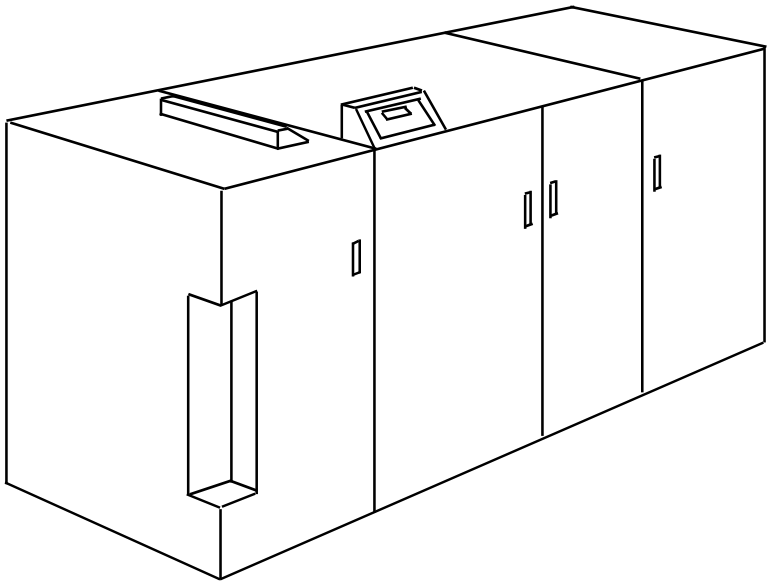
GBC

FusionPunch II

User Guide



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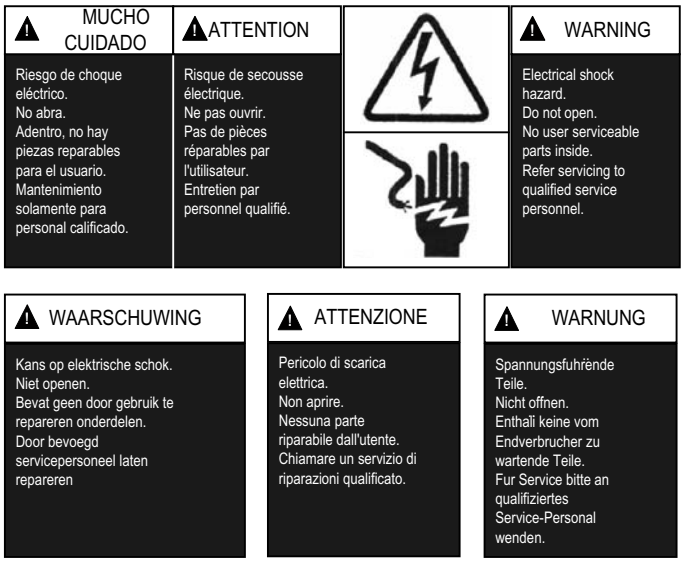
Preface

SAFETY MESSAGES

The safety of you and others is very important to GBC. Important safety messages and information are contained within this Operating Instructions manual as well as on the machine itself. Please be certain to carefully read and understand all of these before operating the machine.

The safety alert symbol precedes each safety message in this Operating Instructions manual. This symbol indicates a potential personal safety hazard that could result in injury to you or others as well as cause product or property damage.

The following pictorial is found on the **FusionPunch II**:



This safety message indicates that you could be seriously hurt or killed if you open the product and expose yourself to hazardous voltage. NEVER

remove the machine's outer covers. ALWAYS refer service requirements to qualified GBC personnel.

The following ISO and IEC symbols appear on this product. Their meaning is:

I Means Power ON.

O Means Power OFF.

Means START.

"DIAGNOSTICS" Means you can select a preferred language (also used by Service Personnel).

"ONLINE/OFFLINE" Means the machine can run in conjuction with the printer or run without the printer. Also used to set up the machine in different configurations.

Means Raise or Lower Stacker.

Means INTERRUPT the job that you are running.

Means STOP.

Means RESET.

IMPORTANT SAFEGUARDS

- Use the **FusionPunch II** only for its intended purpose of punching paper and covers according to the indicated product specifications.
- Retain this Operating Instructions manual for later use.

CAUTION: In case of emergency, use the power cord as a main disconnect device!

- The **FusionPunch II** must be connected to a supply voltage corresponding to the electrical rating in the machine operating instructions (also listed on the serial number label).
- The socket-outlet shall be located near the equipment and shall be easily accessible.
- The grounding plug is a safety feature and will only fit into the proper grounding-type power outlet. If you are unable to insert the plug into an outlet, contact a qualified electrician to have a suitable outlet installed. Do not alter the plug on the end of the cordset (if provided) of the **FusionPunch II**. It was provided for your safety.
- Unplug the **FusionPunch II** before moving the machine or whenever the machine is not in use for an extended period of time.
- Do not operate the **FusionPunch II** if the machine has a damaged power supply cord or plug. Do not operate the machine after any malfunction, if liquid has been spilled into the machine, or if the machine has been damaged in any way.
- Do not overload electrical outlets beyond their capacity. To do so can result in fire or electrical shock.

SERVICE

- Do not attempt to service your **FusionPunch II** yourself. Contact an authorized GBC service representative for any required repairs or major maintenance for your **FusionPunch II**.

DO NOT REMOVE THE MACHINE'S COVERS

- There are NO user-serviceable parts inside the machine. Removal of the covers by the user could result in potential personal injury and/or property or machine damage.

CLEANING

- You may clean the exterior of the **FusionPunch II** using a soft, damp cloth. Do not use detergents or solvents as damage to the machine may occur.

Chapter 1

1

Getting Started

About the FusionPunch II

The GBC FusionPunch II is a new and improved online printer punch that has been redesigned to meet Xerox certification. It is the only online printer punch on the market today. The FusionPunch II features easy, automated operation.

Punch any hole pattern

The FusionPunch II features multiple punching dies that can be changed in minutes without the use of tools. Die sets are available in a variety of standard configurations such as Three Hole, GBC Plastic and TwinLoop™. Custom dies can be built to order.

Online

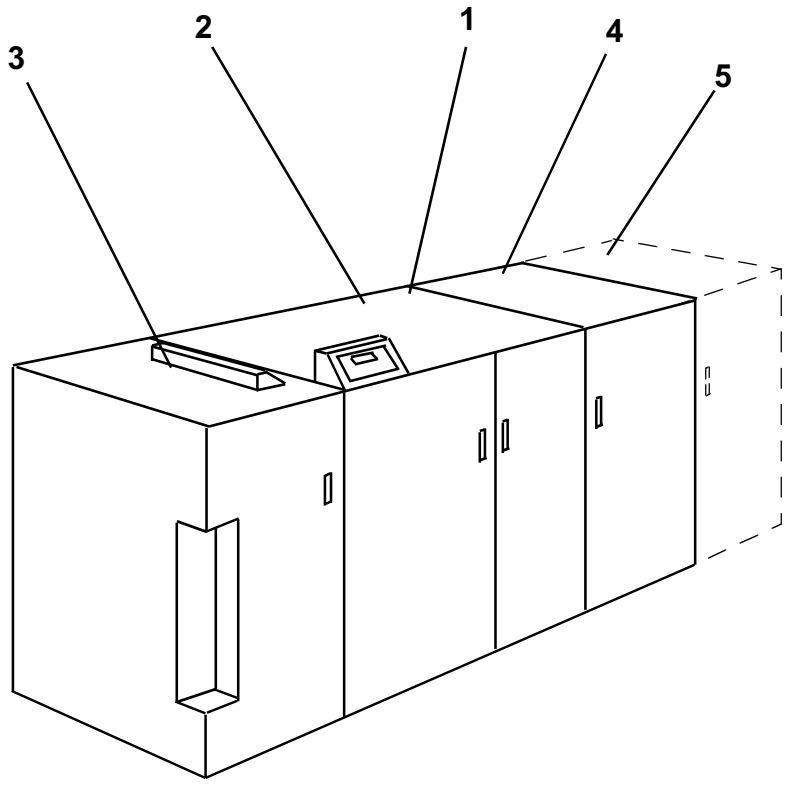
The FusionPunch II attaches directly to your high-speed printer. Documents flow directly from the printer to the binding system without the bottleneck associated with traditional offline punching processes. The FusionPunch II online punching system not only affords superior turnaround times, but also significantly reduces labor costs. Only one operator is required to print, punch and offset stack documents.

At the speed of your printer

The FusionPunch II matches the speed of your printer, punching over 200 sheets per minute. This is faster than the production rate of the fastest cut sheet printer on the market today.

Key Features

1. Die sets can be easily changed without tools.
2. Paper size adjustments can be made quickly and easily.
3. The Single Sheet Feeder design of the FusionPunch II maintains document integrity and allows the operator to set up the machine in offline mode.
4. The Output Stacker allows documents to emerge punched and offset stacked for more efficient offline binding operations. One or more stackers can be connected for continuous operation.
5. An optional Bypass Stacker can be used inline to allow the use of other downline finishers, such as a Signature Booklet Maker, or BDFX.



Specifications

Printer	DocuTech 135, 6100, 6115, 6135, 6155 and 6180. DocuPrint 4050, 4090, 4135, 4180, 4635, 4850 and 4890.

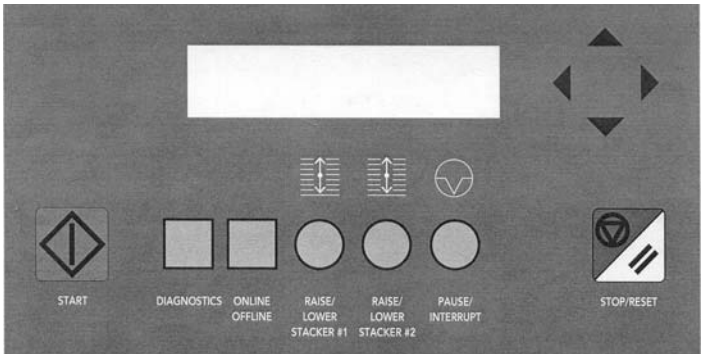
Supported Sheet Size	**Productivity**
Punching Long Edge	
8.5 x 11/A4 (Including Index Tabs and 9" Covers)	All printers run at the rated speed of the printer.
Punching Short Edge	
(*) 8.5 x 11/A4	All printers run at the rated speed of the printer except for the DT 6180. ***(DT 6180 is slightly slower due to a skip pitch introduced in the printer.)***
(*) 8.5 x 14	All printers run at the rated speed of the printer except for the DT 6180. ***(DT 6180 is slightly slower due to a skip pitch introduced in the printer.)***
(#) 11 x 14	All printers run at the rated speed of the printer except for the DT 6180. ***(DT 6180 is slightly slower due to a skip pitch introduced in the printer.)***
(#) 11 x 17/A3	All printers run at the rated speed of the printer.

Denotations:

(*)	***Requires a GBC Bypass Stacker and a Xerox High Capacity Stacker.***
(#)	***Requires a GBC Stacker without the Bypass or a GBC Bypass Stacker and a Xerox High Capacity Stacker.***
Paper Stock	60 gsm Bond to 200 gsm Index.
Output Stacker	Each stacker holds 2500 sheets.
Dimensions	81 inches (2058 mm) L x 32 inches (813 mm) W x 56 inches (1422 mm) H.
Weight	Punch: 620 lbs. (281 kg.) Stacker: 270 lbs. (123 kg.) Bypass Stacker: 320 lbs. (145 kg.)
Power Supply	**USA/Canada -** Punch: 115 VAC, 60 Hz, 4.7 amps. Stacker: 115 VAC, 60 Hz, 1.0 amps. **International -** Punch: 230 VAC, 50 Hz, 6.8 amps. Stacker: 230 VAC, 50 Hz, 0.25 amps.
Temperature Range	41 - 104 Degrees F. (5 - 40 Degrees C.)
Humidity Range	30% - 95%, non-condensing.
Altitude	3280 feet (1000 meters).

Control Functions and Locations

The Control Panel



The FusionPunch II Control Panel

1 **Start**

The Start button is used to start a job and to begin punching in offline mode.

"DIAGNOSTICS" 2 **Diagnostics**

The Diagnostics button is used by service personnel to run diagnostics when the machine requires service.

The Diagnostics button also has another feature known as User Functions. To use this feature, perform the following steps:

a. Press the **Diagnostics** button once. Version Control information displays, to include the current version level of the machine's software.

b. Press the Diagnostics button again. The Punch Count is displayed.

c. Press the Diagnostics button again.The current language is displayed. To change languages, do the following:

- Use the Up and Down Arrows to scroll through the listing of available languages. They are: English, Spanish, German, French, Italian and Dutch.
- Select a language and then press the **Stop/Reset** button.

d. Press the Diagnostics button again and the message, **For service menu enter keycode** displays. This is the Diagnostics function and is for use only by trained service personnel.

CAUTION: The Diagnostics function is for use only by trained service personnel. Attempting to use diagnostics without proper training may result in damage to the machine.

"ONLINE/OFFLINE" 3 Online/Offline

The Online/Offline button is used to change the operating mode of the FusionPunch II. By pressing the Online/Offline button once, the following flashing messages will appear on the Upper row of the LCD Display Screen:

1. **< Change Run Mode**
2. **^ Change Punch Mode**
3. **> Change Destination**

The LCD Display Screen will also display the current configuration set up previously, or the default machine setup in the Lower row as follows:

" Online / Punch / Stack 1"

The different modes and the destination can be changed by pressing the designated Arrow key. As you press each arrow, the following options will appear on the LCD Display Screen:

1. **< Change Run Mode**

   Online - used when sending a job from the host printer. In this mode, the FusionPunch II must be started manually in order to receive paper from the host printer. ***(Required when connected to the DT 135.)***

   Cycle Up - used when sending a job from the host printer. In this mode, the FusionPunch II will start and stop automatically when the host printer starts and stops. ***(Not supported in the DT 135.)***

   Offline - used to start the FusionPunch II without the host printer. In this mode, the FusionPunch II must be started manually before the operator inserts pages in the Single Sheet Feeder.

   Online50 - used to deliver offsets in stacks of 50 sets (Complete Books), to the Stackers. In this mode, the operator must start and stop the FusionPunch II manually. ***(Required when connected to the DT 135 if offsets of 50 sets are needed.)***

   Cycle50 - In this mode, the FusionPunch II will start and stop automatically when the host printer starts and stops, as well as deliver offsets in stacks of 50 sets (Complete Books). ***(Not supported in the DT 135.)***

2. **^ Change Punch Mode**

   Punch - the FusionPunch II will punch the long edge of 8.5 x 11 and A4 sized paper.

   NoPunch - the FusionPunch II will not punch.

   PunchSE - the FusionPunch II will punch the short edge of 8.5 x 11 and A4 sized paper.

Punch17 - the FusionPunch II will punch the short edge of 11 x 17 and A3 sized paper.

Punch14 - the FusionPunch II will punch the short edge of 8.5 x 14 and 11 x 14 sized paper.

3. **> Change Destination**

Stack 1 - the FusionPunch II will start stacking in Stacker #1 and then go over to Stacker #2 when Stacker #1 is full. (The paper tray in Stacker #2 must be in the up position for this to work.)

Stack 2 - the FusionPunch II will start stacking in Stacker #2 and then go over to Stacker #1 when Stacker #2 is full. (The paper tray in Stacker #1 must be in the up position for this to work.)

S1 Only - the FusionPunch II will only stack in Stacker #1, and will stop when it is full.

S2 Only - the FusionPunch II will only stack in Stacker #2, and will stop when it is full.

Bypass - the FusionPunch II will Bypass all sheets to a downstream device.

To exit this menu, press the Stop/Reset button. The FusionPunch II will be ready for operation when the Upper row of the LCD Display Screen displays the message:

"GBC Fusion Full Stop"

4 **Raise/Lower Stacker #1 and #2**

These buttons are used to raise and lower the paper trays in the first (#1) and second (#2) stacker, if a second stacker is present.

5 Pause/Interrupt

The Pause button is used to stop, or interrupt, a job that is currently running. This may become necessary if a problem occurs or if an adjustment is required.

Note: If running in **Cycle Up** mode, when you press the Pause/Interrupt button, the LCD will display: "**Delayed Stop**."
Press the Start or the Stop/Reset buttons to resume the printer and FusionPunch II.

6 Stop/Reset

The Stop/Reset button is used to halt all operation of the FusionPunch II, if it should become necessary. It is also used to reset the machine after an error has been corrected.

7 Arrows

The arrow controls at the upper right-hand corner of the Control panel are used to scroll the information on the LCD display screen up or down, or, left or right. They are also used to change the different run modes and destinations.

"LCD DISPLAY SCREEN"

8 LCD Display Screen

The LCD Display Screen displays the current status of the FusionPunch II, to include operating mode and any error messages that may occur. Also, service personnel use the display to run and interpret diagnostic codes.

Creating 61XX Profiles and Print Queues

What is a Profile?

A profile is a set of values, or system configuration parameters, that are entered into the printer's operating system from the keyboard. A profile allows the printer to communicate effectively with the FusionPunch II and its stacker (or multiple stackers). Each model of printer has its own unique profile. For example, the profile for a DocuTech 135 is different than the profile for a DocuTech 6100.

What is a Print Queue?

A Print Queue is also a set of values, or system configuration parameters, that communicates input and output information from the printer to a finishing device. The FusionPunch II is a finishing device.

System Access for Setup

Profile and Print Queue configuration is performed at the same time and is normally the responsibility of the System Administrator. The following information is provided for use by the System Administrator for the purpose of creating profiles and print queues for the system.

61XX Log On

1 Check the logon level in the DocuSP Print Services Screen, as shown below. If you are already logged in as System Administrator, go to Step 2. If not, log on as System Administrator, as described below.

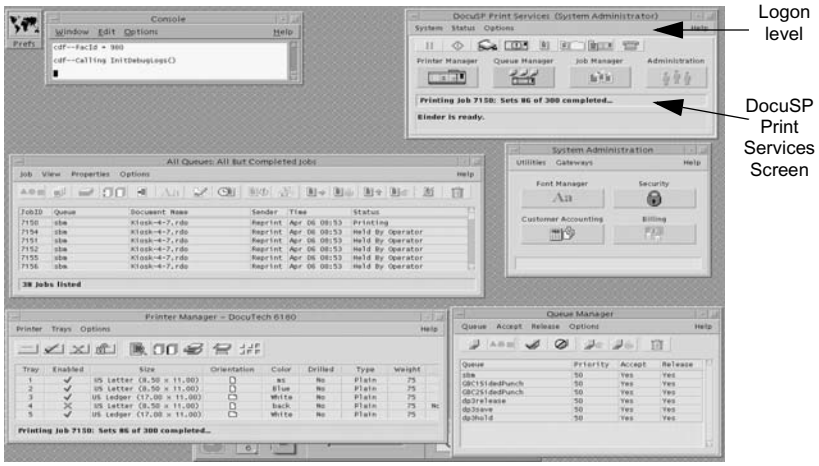


Figure 1-1: 61XX Monitor Screen

a) Go to the DocuSP Print Services screen, as shown in Figure 1-1.

b) Pull down the System menu and select **Logon,** as shown in Figure 1-2.

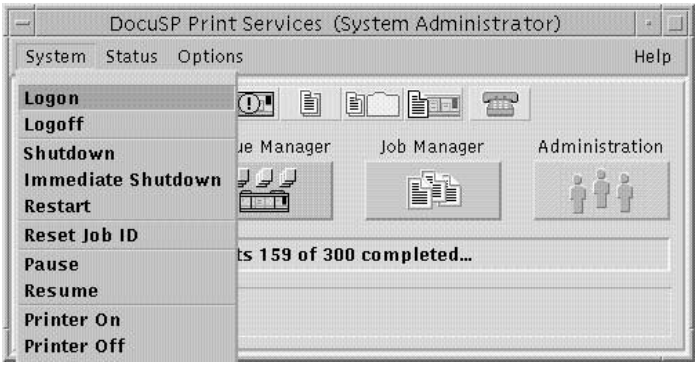


Figure 1-2: The System Option Menu

The Logon window will display, as shown in Figure 1-3.

Figure 1-3: The Logon Window

c) Click on **Trusted User** and then select **System Administrator**.

d) Type **Administ** in the password field and then click on **OK**.

61XX Profile Setup

1 From the 61XX Monitor screen, go to the **Printer Manager** window, as shown already open in Figure 1-4. If it is not open, go to the DocuSP Print Services window and click the Printer Manager button.

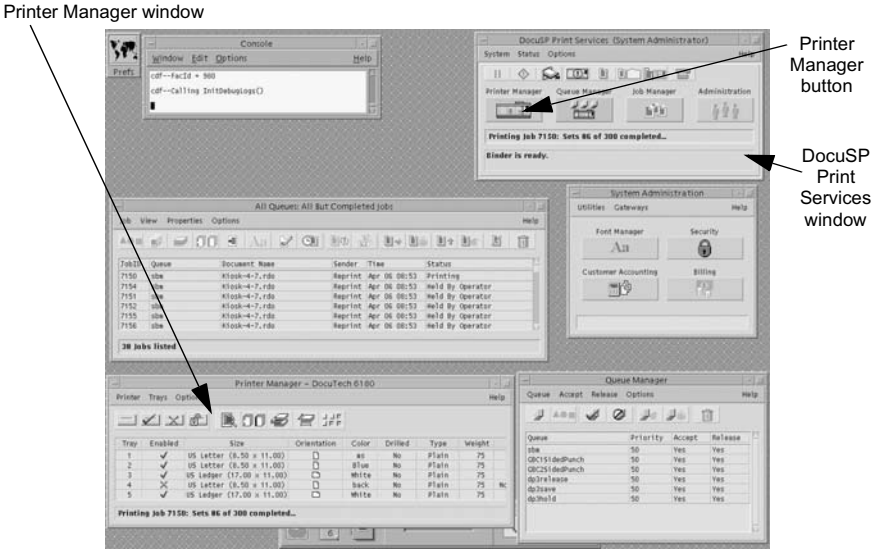


Figure 1-4: 61XX Monitor screen and Printer Manager window

2 Click the **Finishing Icon** in the Printer Manager Window, as shown in Figure 1-5.

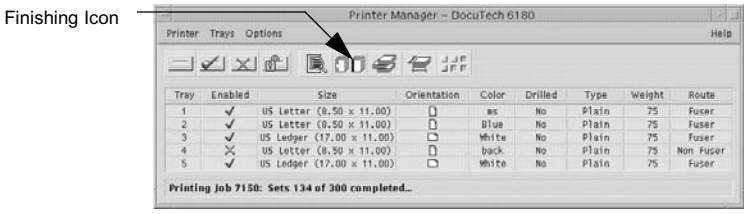


Figure 1-5: The Finishing Icon in Printer Manager

The Finishing Window will display, as shown in Figure 1-6.

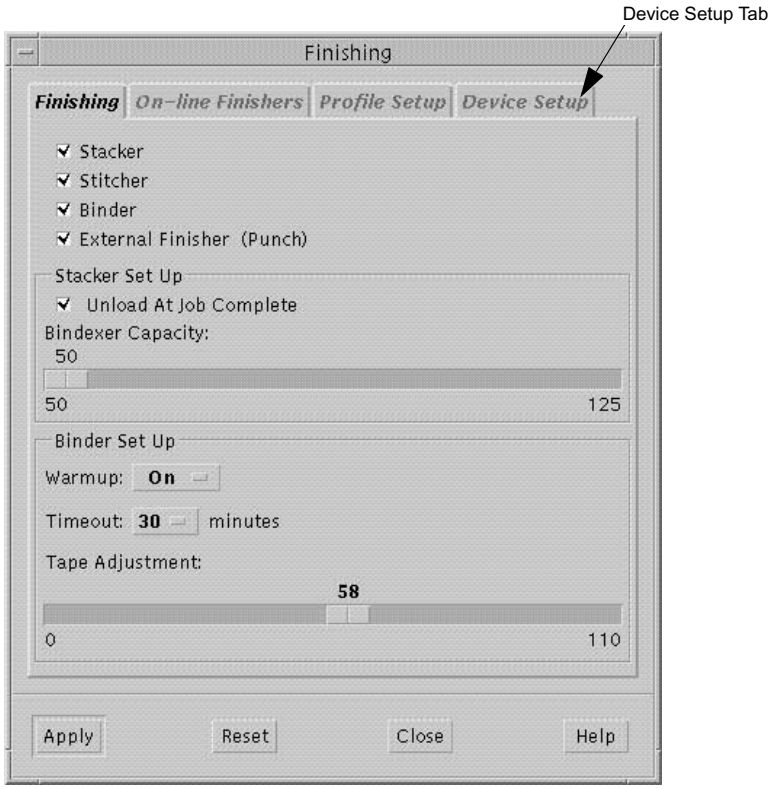


Figure 1-6: The Device Setup Tab in the Finishing Window

3 Click on the **Device Setup Tab**, as shown in Figure 1-6.

The Device Setup Tab screen will display, as shown in Figure 1-7.

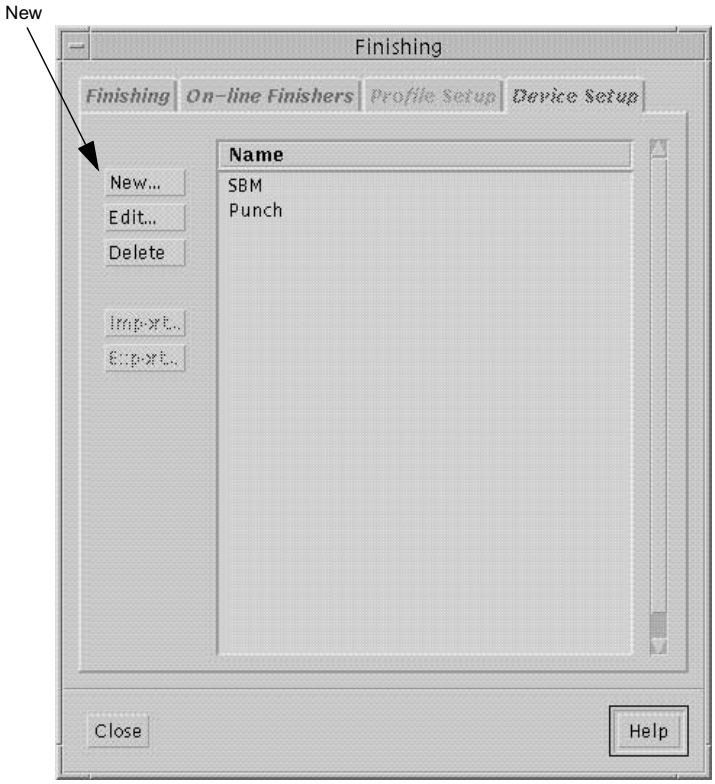


Figure 1-7: The Device Setup Tab screen

4 Click on the **NEW** button, as shown in Figure 1-7.

The Device Profile Window will display, with the **Properties and Default Limits** tab screen showing, as shown in Figure 1-8.

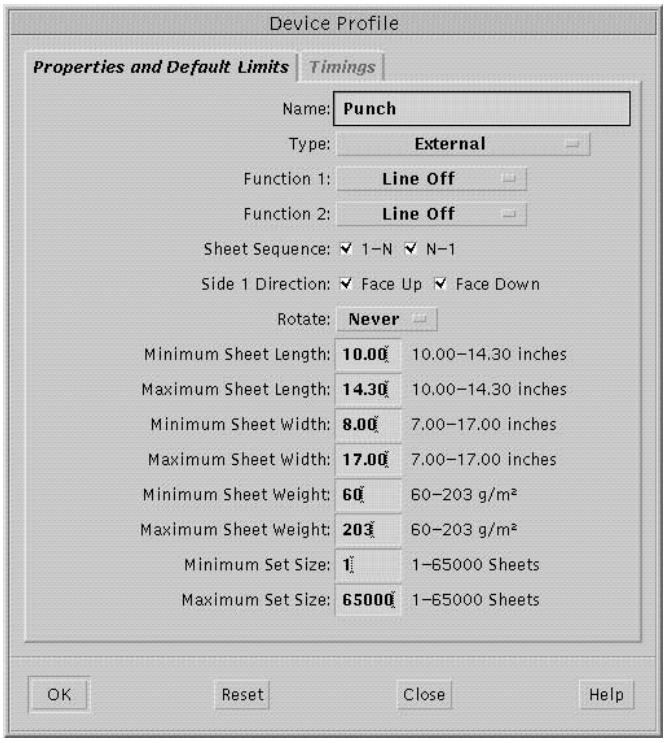


Figure 1-8: The Properties and Default Limits screen

5 With the Device Profile Window and the Properties and Default Limits screen open, you are ready to begin entering Personality Profile values for the FusionPunch II and the printer you are using.

Perform the following steps:

a) Go to Appendix A of this User Guide and locate the profile sheets for the devices you will be setting up.

b) Begin with the sheet for the Properties and Default Limits values.

c) Enter the name and type of the finishing device, for example, **Punch** for *name* and **External** for *type*.

d) Verify that all of the entered values conform to those in the profile sheet. If they do not, enter the values from the profile sheet.

Note: Do not click OK at this point. Go on to Step 6.

6 Click on the **Timings** tab in the Device Profile Window.

The Device Profile Window will display the **Timings** screen, as shown in Figure 1-9.

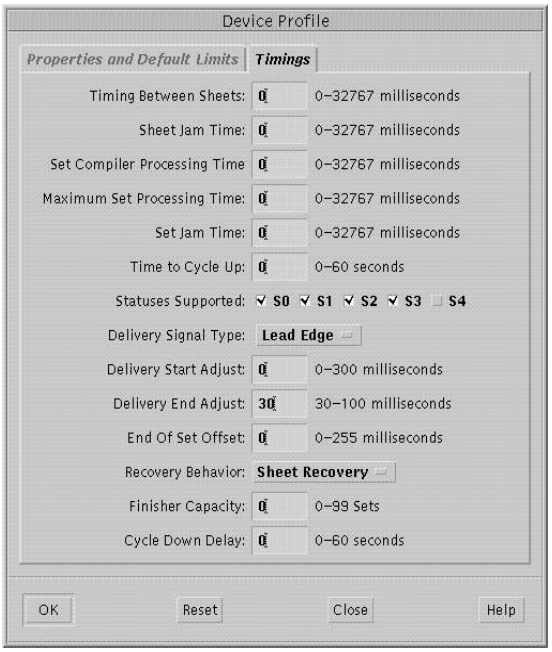


Figure 1-9: The Timings screen

7 Perform the following steps:

a) Go back to Appendix A of this User Guide and locate the profile sheets for the same device as in Step 5, this time using the sheet for the **Timings** values.

b) Verify that all of the entered values conform to those in the profile sheet and click **OK**.

This will bring you back to the Finishing Window, with the Device Setup Tab screen displayed.

8 Click on the Profile Setup tab, as shown in Figure 1-10, then click on the NEW button.

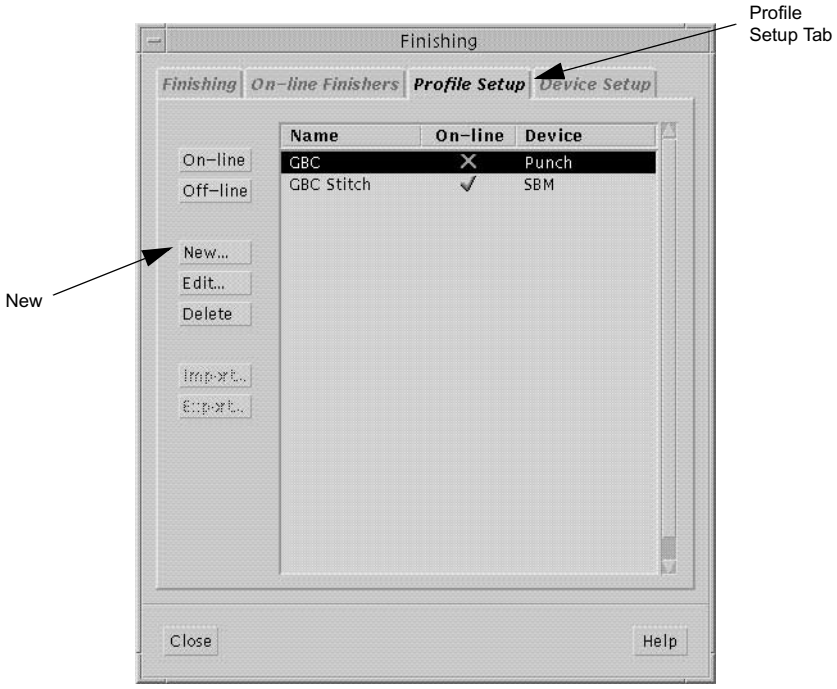


Figure 1-10: The Profile Setup Tab Screen

The **Finisher Profile** Window, **Properties and Limits** screen will display, as shown in Figure 1-11.

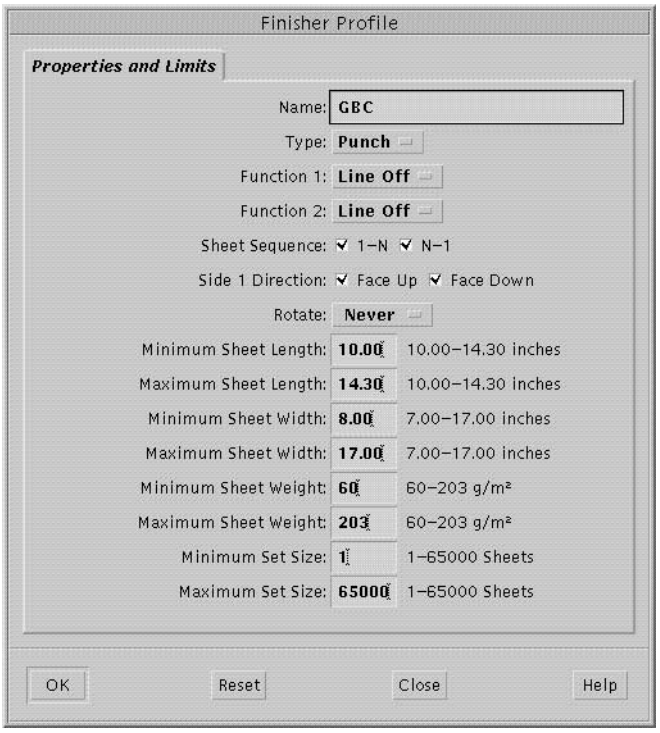


Figure 1-11: The Finisher Profile Window, Properties and Limits Screen

9 Perform the following steps:

a) Go to Appendix A in this User Guide and locate the profile sheets for the same finishing device as in Step 5, but this time, with the sheet for the **Finisher Profile - Properties and Limits** values.

b) Ensure that all of the entered values conform to those in the profile sheet, then click on **OK**.

The **Finishing Window** with the **Profile Setup** screen displays again, as shown in Figure 1-12.

Note: After entering and/or checking the default values for the FusionPunch II, you will need to repeat Steps 5 through 9 for each additional finishing device installed in the system.

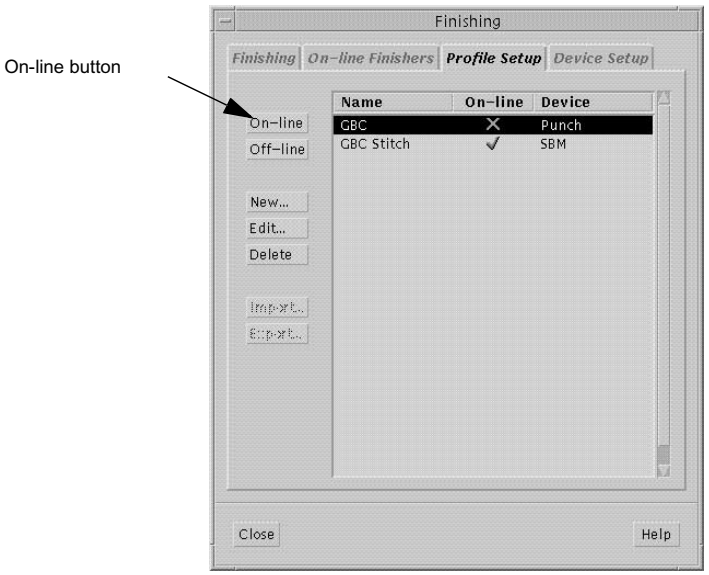


Figure 1-12: The Finishing Window and Profile Setup screen

10 Highlight **GBC** and click **On-Line**.

11 Select the **On-Line Finishers** tab in the Finishing Window.

The **On-Line Finishers** screen displays, as shown in Figure 1-13.

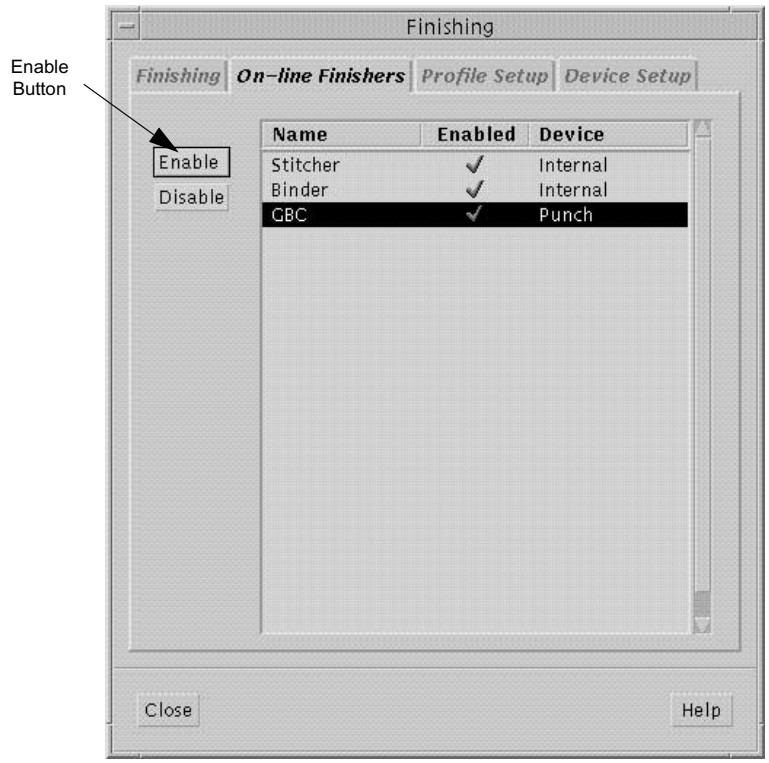


Figure 1-13: Finishing Window and On-Line Finishers screen

12 Highlight **GBC** again and then click the **Enable** button.

13 Select the **Finishing** tab in the Finishing Window.

The **Finishing** screen displays, as shown in Figure 1-14.

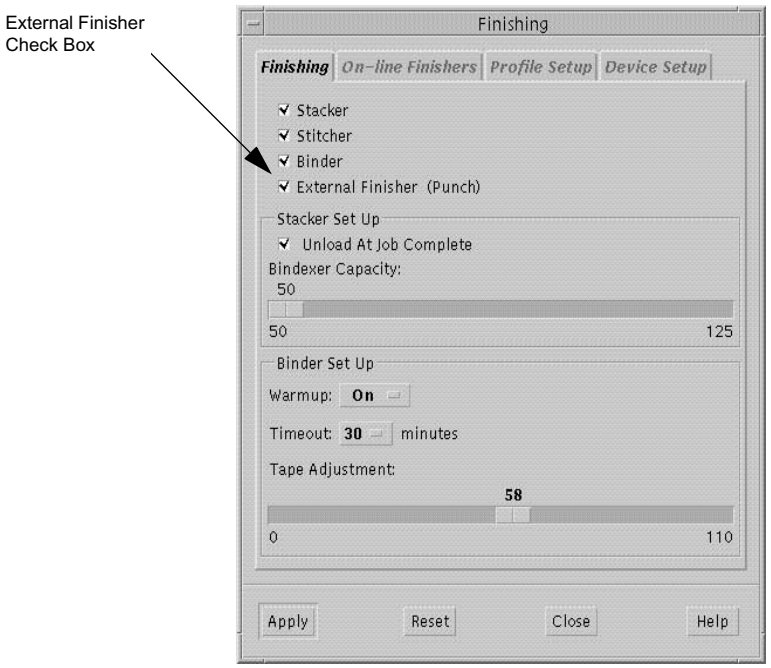


Figure 1-14: Finishing screen in the Finishing Window

14 Ensure that the External Finisher Checkbox is checked and that the name of the correct device appears in parentheses to the right of External Finisher, as shown in Figure 1-14.

This completes the Profile setup. Go now to the Print Queue setup procedure that follows.

Note: If you have more than one finishing device inline with the printer, you must set up a profile for each. To do so, repeat this profile setup procedure for each finishing device.

61XX Print Queue Setup

The following procedure is to help the System Administrator set up print queues for the FusionPunch II and other finishing devices that are inline to the printer.

Note: One print queue is required for the FusionPunch II and one for each additional finishing device down the line, such as a Signature Booklet Maker (SBM).

1 From the 61XX Monitor screen, go to the **Queue Manager** window, as shown already open in Figure 1-15. If it is not open, go to the DocuSP Print Services window and click the Queue Manager button.

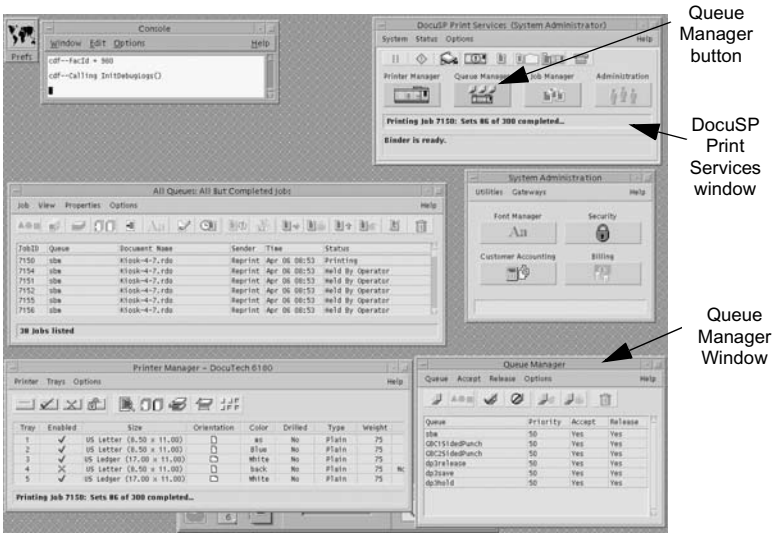


Figure 1-15: 61XX Monitor screen and Queue Manager window

If the Queue Manager screen is not open, click on the **Queue Manager** icon, as shown in Figure 1-16.

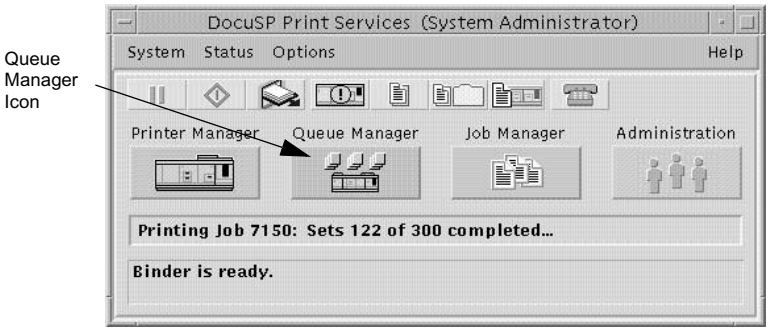


Figure 1-16: Queue Manager Icon

2 Pull down the **Queue menu** from the toolbar and select **New**, as shown in Figure 1-17.

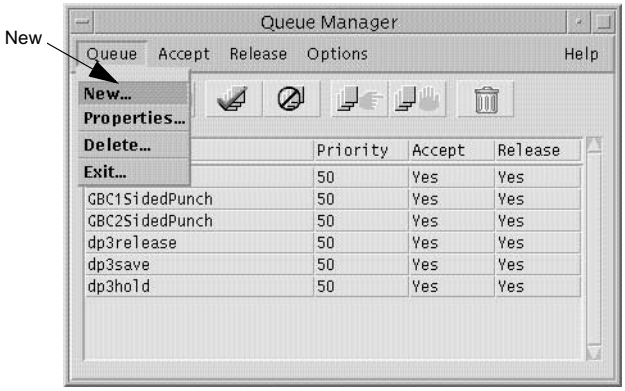


Figure 1-17: The Queue Menu in Queue Manager

The New Queue Setup Window will display, as shown in Figure 1-18.

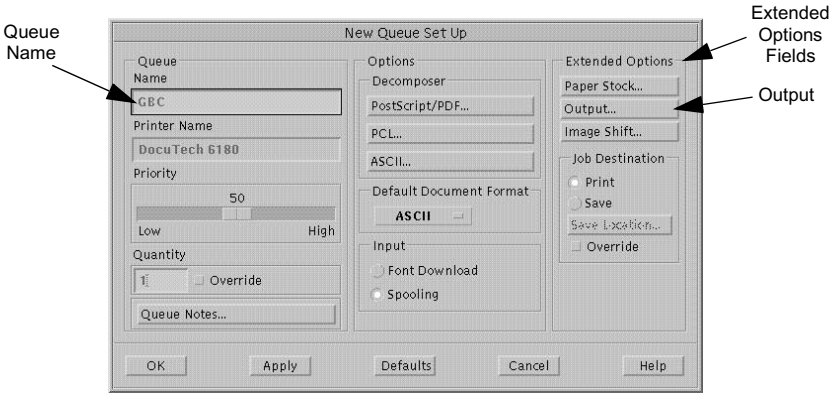


Figure 1-18: The New Queue Setup Window

3 Go to the Queue Name field and enter the name of the queue to be set up, as follows:

- GBCPunch
- GBCSE
- For any other finishing device, enter the name as it appears in its Finisher Profile sheet.

4 Go to the **Extended Options** field and select **Output**, as shown in Figure 1-18.

The Output Window will display, as shown in the information that follows. This information consists of Print Queue Setup procedures for the following finishing devices:

- GBC Punch Queue Output (for the FusionPunch II)
- GBC Short Edge Punch Queue Output (for the FusionPunch II and Xerox High Capacity Stacker)
- SBM1/SBM2 Queue Output (for the Signature Booklet Maker)

GBC Punch Queue Output

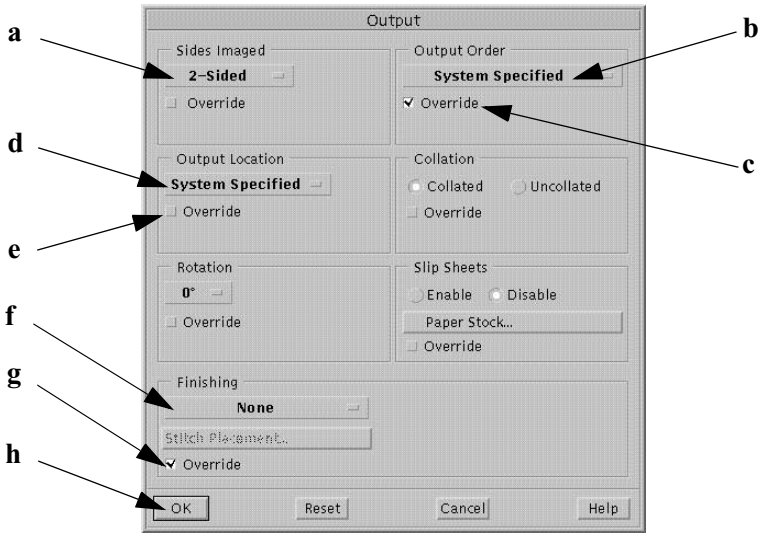


Figure 1-19: The Print Queue Output Window

Refer to Figure 1-19 above and fill in or choose the fields, as specified in the table below, for a GBC Punch Queue output.

Item	Entry
a	2-Sided *(Do not check the override option)*
b	System Specified
c	Check the Override option
d	System Specified
e	Check the Override option
f	GBC
g	Check the Override option
h	Click OK, then OK again in new Queue Setup window

GBC Short Edge Punch Queue Output

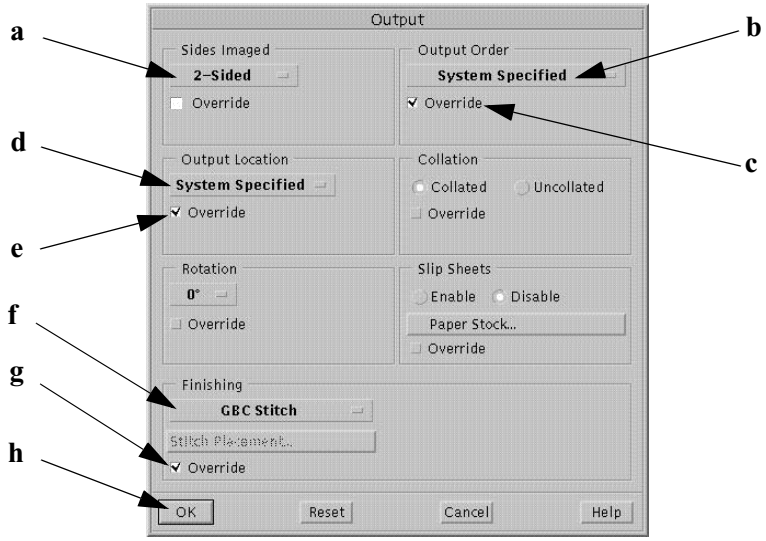


Figure 1-20: The Print Queue Output Window

Refer to Figure 1-20 above and fill in or choose the fields, as specified in the table below, for a GBC Short Edge Punch Queue Output.

Item	Entry
a	System Specified
b	System Specified
c	Check the Override option
d	System Specified
e	Check the Override option
f	GBCSE (Note if the GBCSE Personality Profile is not Online and Enabled, this option will not show up in the drop down list)
g	Check the Override option
h	Click OK, then OK again in new Queue Setup window

SBM1/SBM2 Queue Output

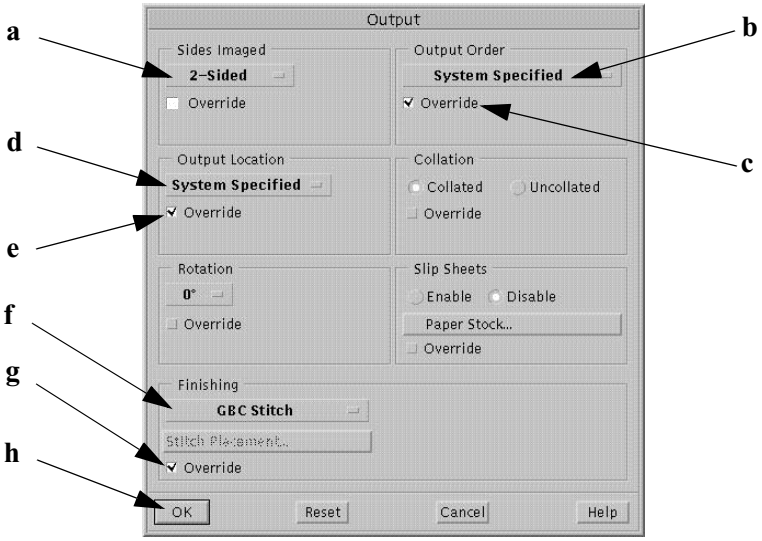


Figure 1-21: The Print Queue Output Window (SBM Setup)

Refer to Figure 1-21 above and fill in or choose the fields, as specified in the table below, for a SBM Punch Queue output.

Item	Entry
a	2-Sided *(Do not check the override option)*
b	System Specified
c	Check the Override option
d	System Specified
e	Check the Override option
f	Same as the name of the Finisher Profile for the SBM1/SBM2
g	Check the Override option
h	Click OK, then OK again in new Queue Setup window

This completes the Print Queue setup and Chapter 1 of this User Guide. Go now to Chapter 2 - General Procedures, to become familiar with basic operator-level mechanical adjustments and operation of the FusionPunch II.

Chapter 2

General Procedures

2

Changing Die Sets

WARNING: Switch OFF (O) the main power switch before beginning this procedure.

1 Open the Right Punch Door, as shown in Figure 2-1.

2 Open the Punch Cover, as shown in Figure 2-1.

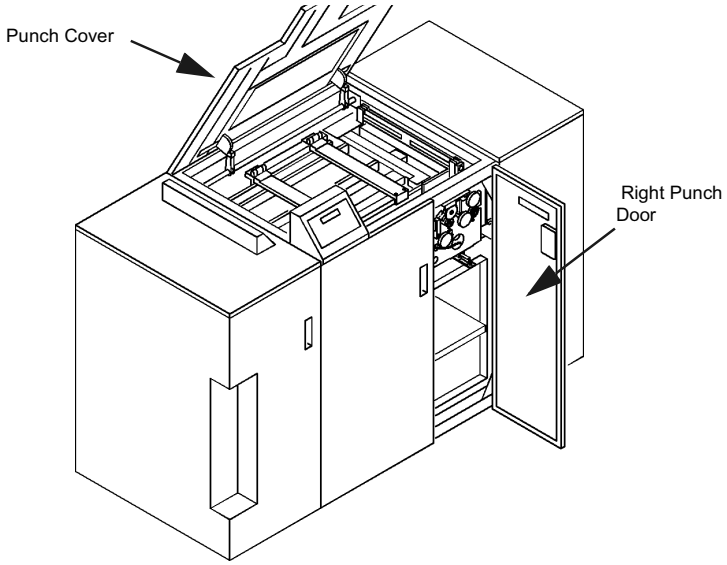


Figure 2-1: Opening the Punch Door and Cover

3 Open the Sheet Eject Strap assembly, as shown in Figure 2-2.

4 Release the Punch Arm retaining levers down and to the side, as shown in Figure 2-2.

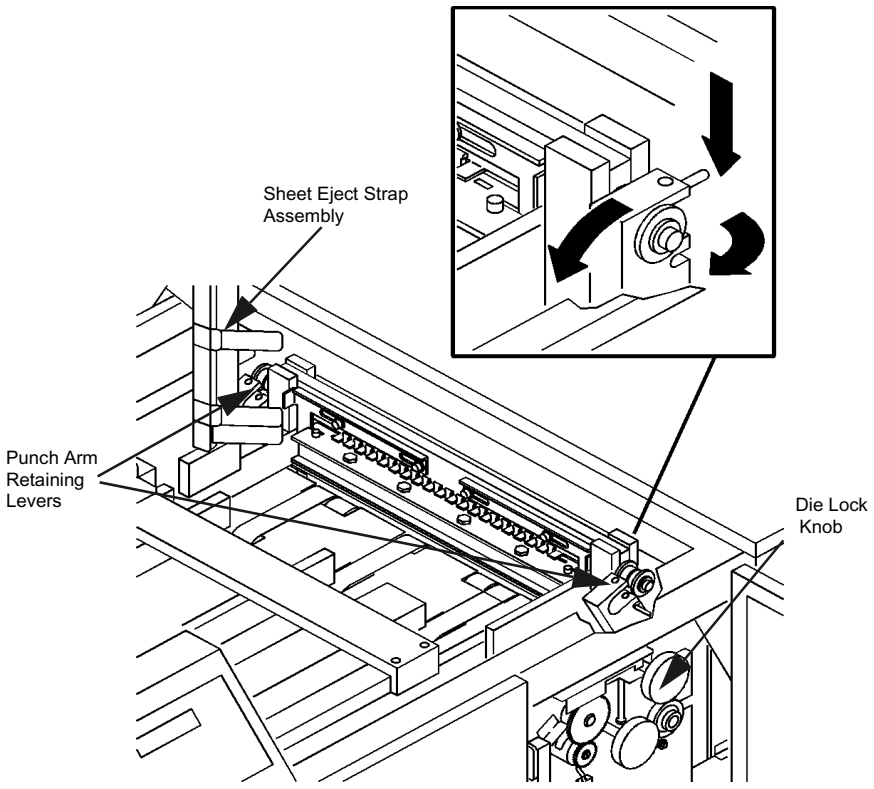


Figure 2-2: Unlocking the Die Assembly

5 Unlock the Die: turn the Die Lock knob clockwise until a "click" is felt, as shown in Figure 2-2. Do not turn past that point or you will lock the Die again.

6 Grasp the base of the Die and lift straight up, as shown in Figure 2-3.

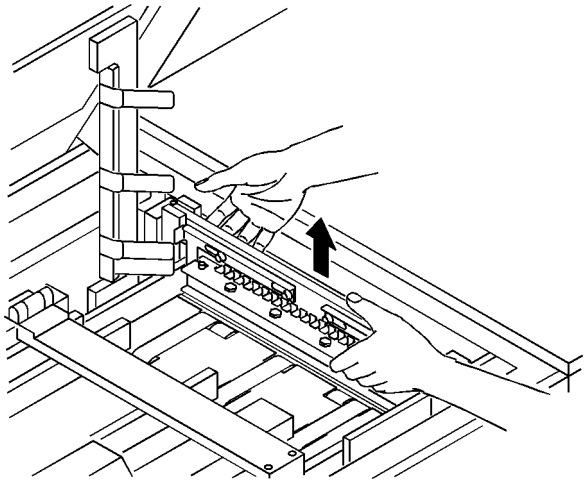


Figure 2-3: Removing and replacing the Die Assembly

7 To replace the Die, repeat Steps 1 through 6 in **reverse** order.

Note: The Die assembly is keyed and will reinstall only one way.

Removing and Replacing Die Pins

1 To remove and replace individual die pins, slide the Pressure Bar release levers to the side and lift the Pressure Bar off of the Die, as shown in Figure 2-4.

You may now remove and replace individual die pins.

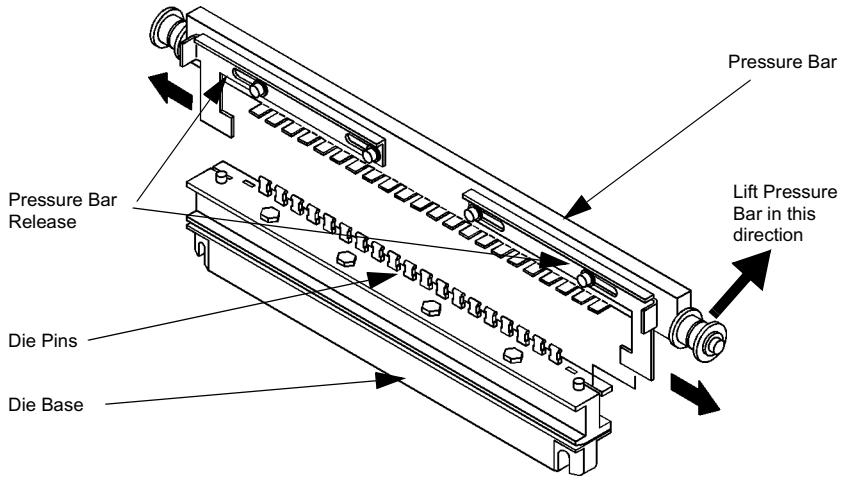


Figure 2-4: Accessing the Die Pins

2 Reverse this procedure to reinstall the Punch Arm.

Centering the Punch

The purpose of this procedure is to center the punched hole set on the paper.

1 Set up the FusionPunch II in the following modes and destination; "**Offline / Punch / Stack 1**" (or **Stack 2**).

2 Ensure that the Stacker Tray is in the TOP position. If it is not, press the **RAISE/LOWER STACKER** **1** or **2** button either once or twice until the Stacker moves up to its TOP position. The Punch will not start with the Stacker Tray down.

3 Press **START** .

4 Into the Single Sheet Feeder, feed a sheet of paper of the size required for the job.

5 Press the **STOP/RESET** button.

6 Press the **RAISE/LOWER STACKER** **1** or **2** button to lower the Stacker.

7 Open the Stacker Door and remove the punched sheet of paper.

8 Check the centering of the punched holes, as shown in Figure 2-5.

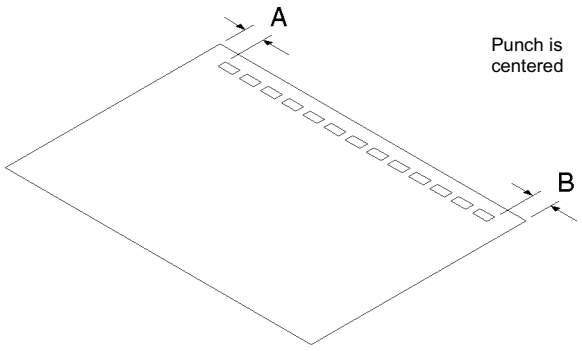


Figure 2-5: Checking the Centering of the Punched Holes

9 If the holes are centered, go on to **Setting the Side Guide.** If the holes are not centered, go on to **Step 10** to adjust the Punch.

10 Open the Right Punch Door.

11 Loosen the Locking Wing Nut, as shown in Figure 2-6.

12 Use the Edge Guide Adjustment Knob to make small (1/8 to 1/4-turn) adjustments, as shown in Figure 2-6. Test after each adjustment until the punched hole sets are centered.

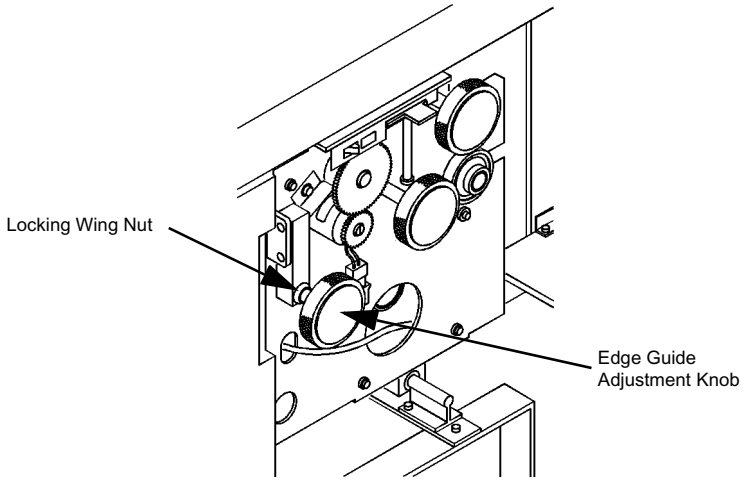


Figure 2-6: Edge Guide Adjustment

13 Tighten the Locking Wing Nut after you have completed the adjustments.

Setting the Side Guide

The purpose of this procedure is to ensure that each sheet of paper maintains registration as it passes through the FusionPunch II.

Note: Use tab stock or cover stock when performing these procedures.

1 Press the **STOP/RESET** button.

2 Open the Punch Cover.

3 Open the Document Transport Ball Track assembly, as shown in Figure 2-7.

4 Open the Sheet Eject assembly, as shown in Figure 2-7.

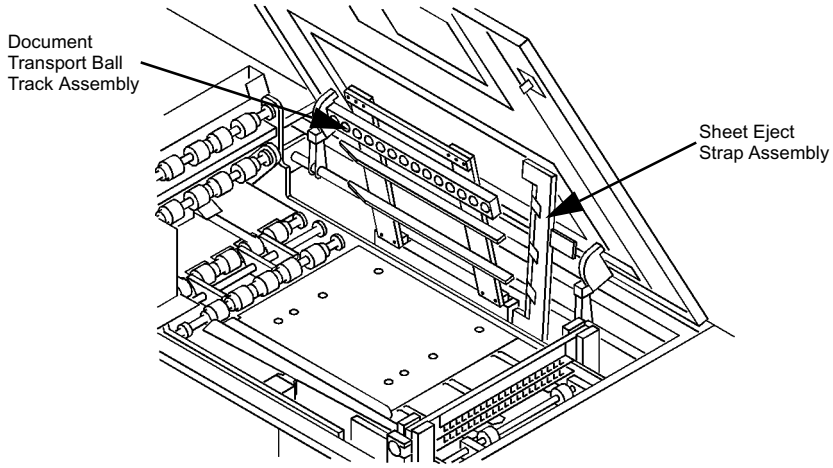


Figure 2-7: Preparing to Adjust the Side Guide

5 Slide a sheet of tab stock or cover stock partially through the Die.

6 Ensure that the stock is against the Document Transport Guide Rail, as shown in Figure 2-8. If the stock is straight against the Document Transport Guide Rail and as close as possible to the Side Guide without actually touching it, go on to **Setting the Backgauge**. If the Side Guide is not as close as possible to the stock without touching it, go on to **Step 7** to adjust the Side Guide.

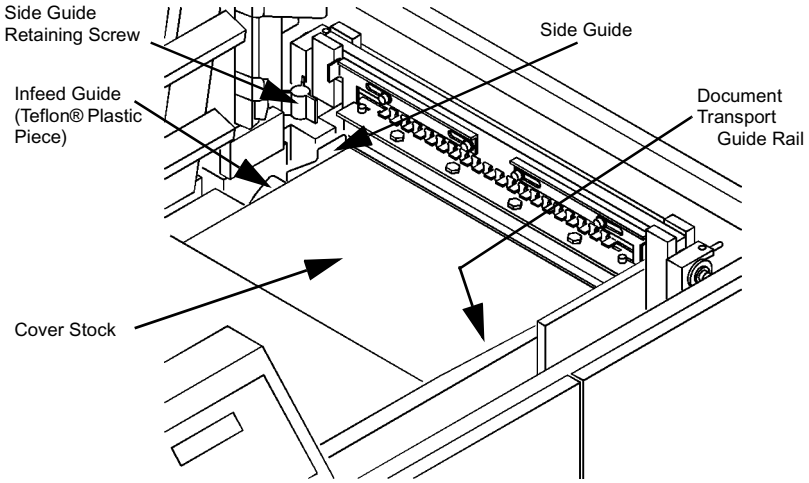


Figure 2-8: Adjusting the Side Guide

7 If punching the 11" edge of the sheet, loosen the Side Guide Retaining Screw. If punching the 8.5" edge of the sheet, add the additional Short Edge Side Guide to the Sheet Eject Strap assembly with the adjustment screws finger tight. Remove the stock and close the Sheet Eject Strap assembly. Now, slide the stock under the Sheet Eject Straps and partially through the Die again.

Note: When using the existing 11" Side Guide, ensure that the Side Guide is under the Infeed Guide (Figure 2-8) before continuing.

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8 Adjust the Side Guide so that it is as close to the stock as possible without actually touching the stock.

9 Tighten the Side Guide Retaining Screw/s.

10 When you have completed this procedure, close the Sheet Eject Strap assembly, Document Transport Ball Track assembly, and the Punch Cover if they are not already closed.

Setting the Backgauge

The purpose of this procedure is to ensure that the margin between the leading edge of the copy and the punched holes is correct.

1 If your die set is anything **other than** a **GBC Cerlox** die set, turn the Backgauge Adjustment Knob clockwise continuously until it stops. If your die set **is** a **GBC Cerlox** die set, go to **Step 2**.

2 Check the margin between the leading edge and the punched holes of copies that have been run through the Punch, or, from paper you have run through the Manual Feed Tray. If the margin is correct, go to **Starting a Job** in this chapter to familiarize yourself with the operation of the FusionPunch II. If the margin is not correct, go to **Step 3** to adjust the Backgauge.

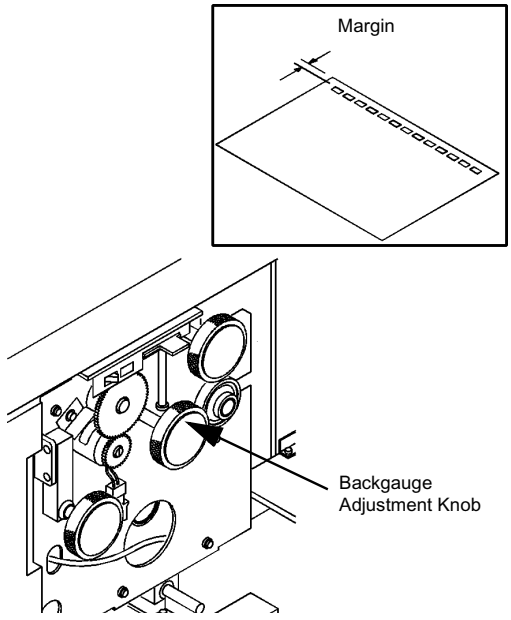

Figure 2-9: Setting the Backgauge Adjustment

3 Open the Right Punch Door.

4 Use the Backgauge Adjustment Knob to correct the margin, as shown in Figure 2-9. Adjust as follows:

- To **increase** the margin between the leading edge of the copy and the punched holes, turn the Backgauge Adjustment Knob **counterclockwise**.
- To **decrease** the margin, turn the adjustment knob **clockwise**.

5 Turn the Backgauge Adjustment Knob one click at a time and check the margin at each position. Use the Single Sheet Feeder to run test paper through the Punch. To do this:

a) Set up the FusionPunch II in the following modes and destination; "**Offline / Punch / Stack 1**" (or **Stack 2**).

b) Ensure that the Stacker Tray is in the TOP position. If it is not, press the **RAISE/LOWER STACKER** **1** or **2** button either once or twice until the Stacker moves up to its TOP position. The Punch will not start with the Stacker Tray down.

c) Press **START** .

d) Into the Single Sheet Feeder, feed a sheet of paper of the size required for the job.

e) Press the **STOP/RESET** button.

f) Press the **RAISE/LOWER STACKER** **1** or **2** button to lower the Stacker.

g) Open the Stacker Door and remove the punched sheet of paper.

h) Close the Stacker Door and press the **RAISE/LOWER STACKER** **1** or **2** button to raise the tray.

6 Repeat Steps 4 and 5 until the margin is correct.

Starting a Job

Punching and Stacking

- For punching and stacking the 11" edge in the GBC Stacker without a Bypass installed, follow the procedure below.
- For punching and stacking the 11" edge in the Xerox High Capacity Stacker, go to Starting a Job for Bypassing to a Downstream device (Page 2-20.)
- For punching and stacking the 8.5" edge, go to Starting a Job for Bypassing to a Dowstream device (Page 2-20.)

To prepare for starting a printing job and sending it to the FusionPunch II, perform the following procedures.

1. Set up the FusionPunch II according to the job requirements (For FusionPunch II setup, refer to the Getting Started section, **On-line / Off-line**).
2. From the **DocuSP Print Services** screen, open the **Printer Manager** window and click on the **Finishing** Icon.

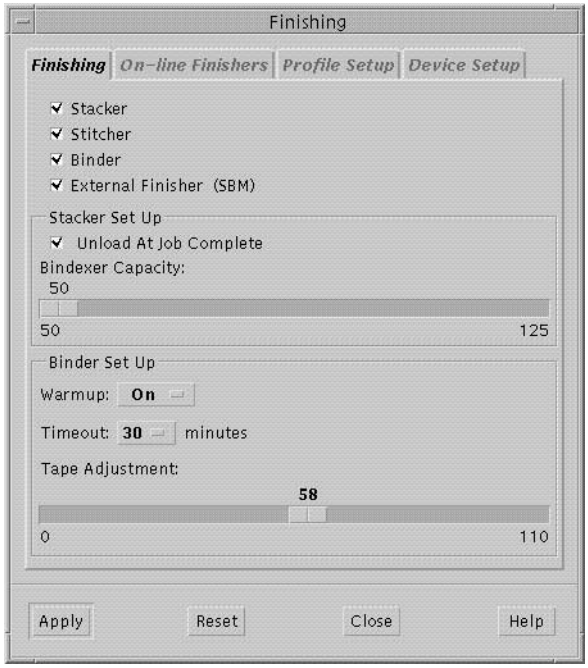

Figure 2-10: The Finishing Window

The **Finishing** Window will display, defaulted to the **Finishing** tab.

3 Click on the **On-line Finishers** tab. The window will display as shown below.

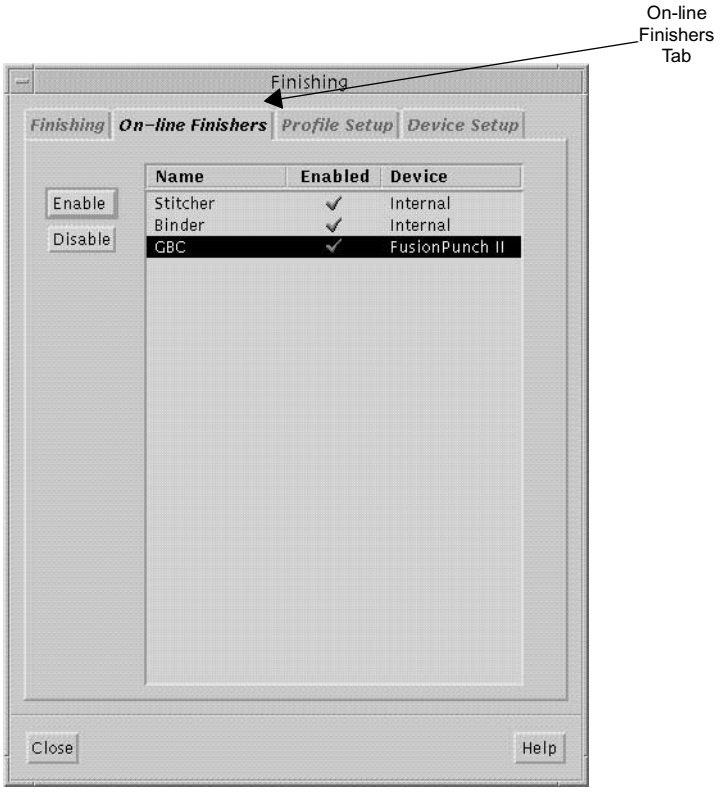

Figure 2-11: On-line Finishers tab

4 Verify that the **GBC FusionPunch II** profile is **Enabled**. If this profile is not visible in this window, go to step 8. If this profile is visible but not **Enabled** (green check-mark in the Enabled column), highlight the profile and click **Enable** and then click **Close**.

5 Go to the **Job Manager** window and highlight the job to run. Click the **Move Icon**.

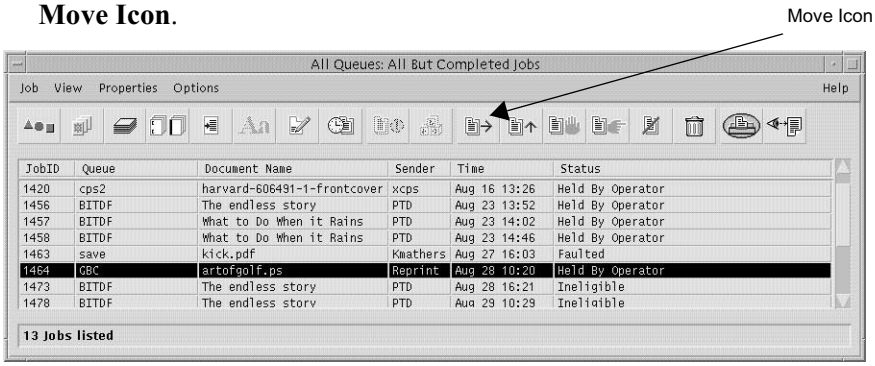

Figure 2-12: Job Manager window

6 Highlight the **GBC Punch Queue** and then click **Apply**.

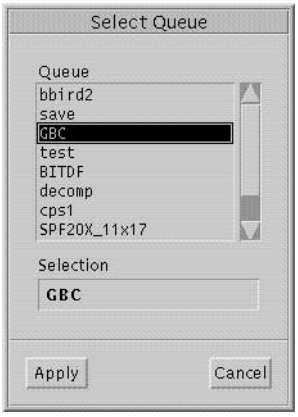

Figure 2-13: GBC Punch Queue window

7 Click the **Release Icon** to start running the job.

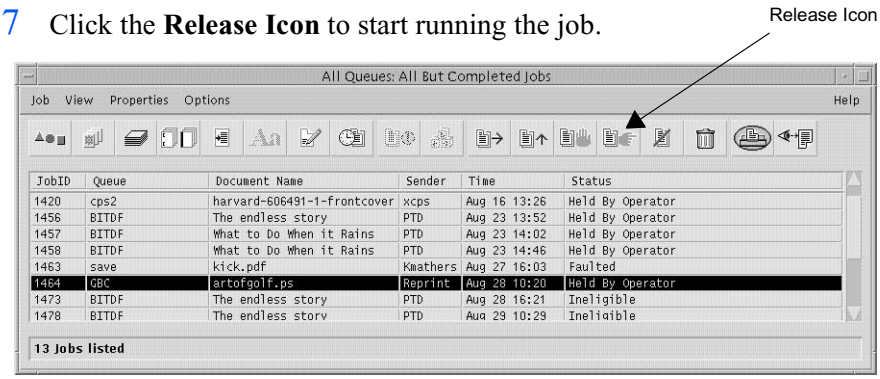

Figure 2-14: Release Icon in the Job Manager window

Note: When you release a new job, sets from the job before may be left in the Stacker / Stackers.

8 Highlight any External Profile shown in the **On-line Finishers** tab window and click **Disable**. The green check-mark in the **Enabled** column of the highlighted profile should now have switched to a red X as shown in the figure below.

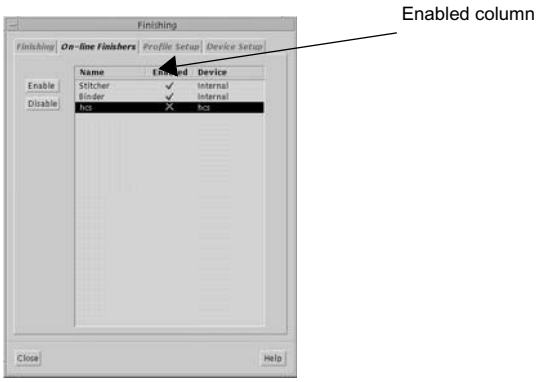

Figure 2-15: On-line Finishers tab

9 Click the **Profile Setup** tab as shown in the figure below. Highlight any enabled profile (not the **GBC FusionPunch II** profile) and then click **Off-line**. Now highlight the **GBC FusionPunch II** profile and click **On-line**. The **GBC FusionPunch II** profile should now have a green check-mark in the **On-line** column as shown in the figure below.

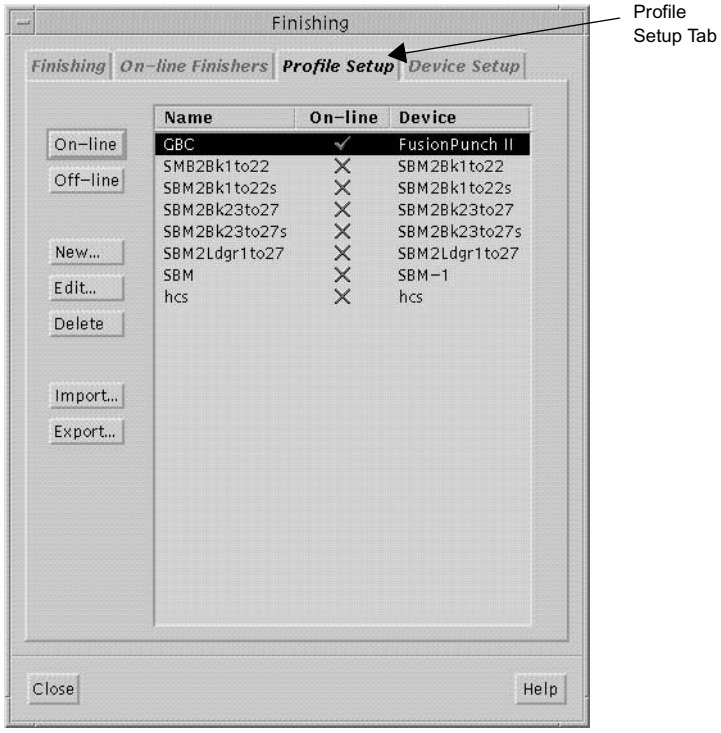

Figure 2-16: Profile Setup tab

10 Go back to the **On-line Finishers** tab and highlite the **GBC FusionPunch II** profile, then click **Enable**. The **GBC FusionPunch II** profile should now have a green check-mark in the **Enabled** column.

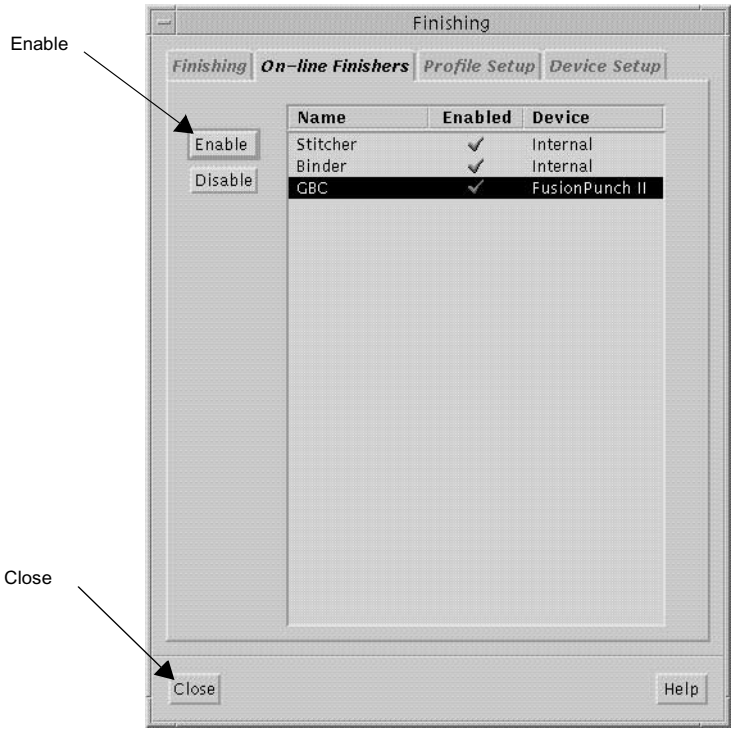

Figure 2-17: On-line Finishers tab

11 Click **Close** to close this window. Now go back and follow steps 4 - 7.

Starting a Job

Bypassing to a Downstream device

To prepare for starting a printing job and sending it to the Bypass Destination, as well as the Downstream device, perform the following procedures.

1 Set up the FusionPunch II in the Bypass Destination, as well as the correct Punch mode (For FusionPunch II setup, refer to the Getting Started section, **On-line / Off-line**). Once the FusionPunch II is setup for the application, go to the Downstream device and enable it for On-line operation.

2 From the **DocuSP Print Services** screen, open the **Printer Manager** window and click on the **Finishing** Icon.

The **Finishing** Window will display, defaulted to the **Finishing** tab, as shown below.

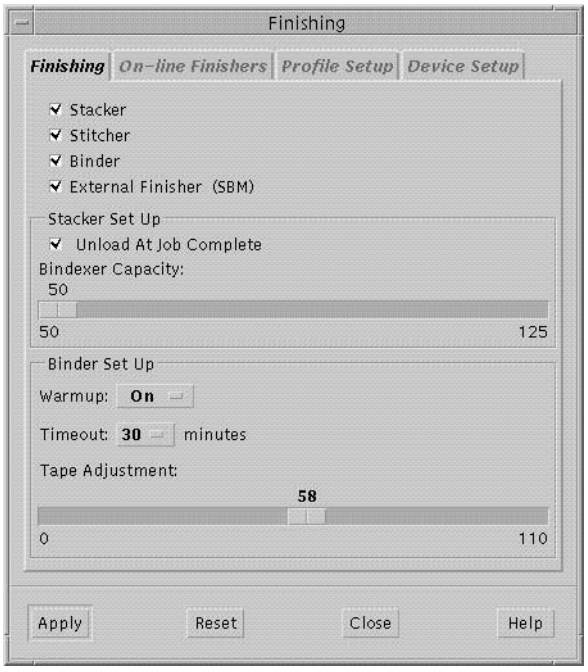

Figure 2-18: The Finishing Window

3 Click on the **On-line Finishers** tab. The window will display as shown below.

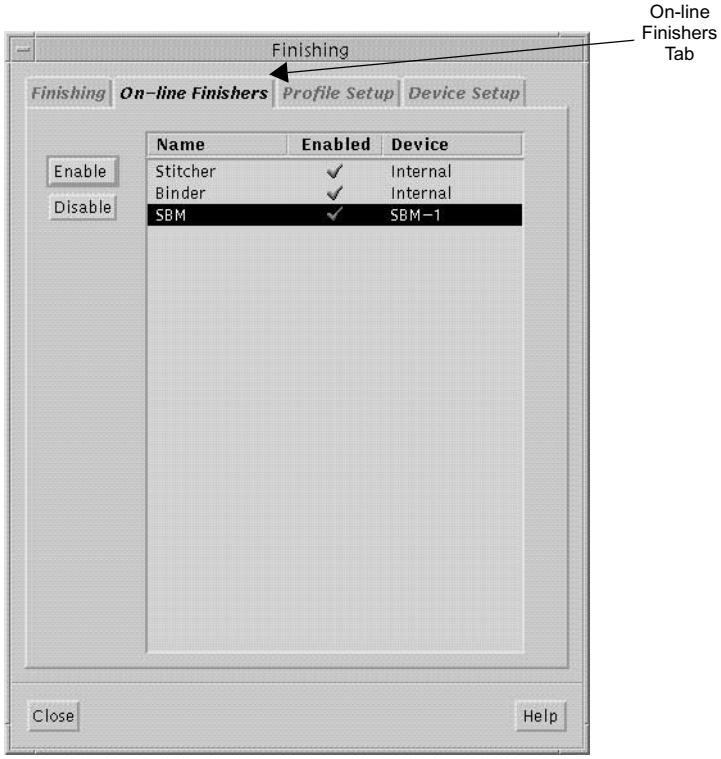

Figure 2-19: On-line Finishers tab

4 Verify that the profile for the Downstream device to be used is **Enabled**.

- For punching and stacking the 11" edge in the Xerox High Capacity Stacker, ensure the **HCS** profile is Enabled.
- For punching and stacking the 8.5" edge, ensure the **GBCSE** profile is Enabled.
- For all other applications, ensure the profile that associates with the Downstream device to be run is Enabled.

(In the figure above is an example of a job being sent to a **Signature Booklet Maker**.) If this profile is not visible in this window, go to step 8. If this profile is visible but not **Enabled** (green check-mark in the Enabled column), highlight the profile and click **Enable** and then click **Close**.

5 Go to the **Job Manager** window and highlight the job to run. Click the **Move Icon**.

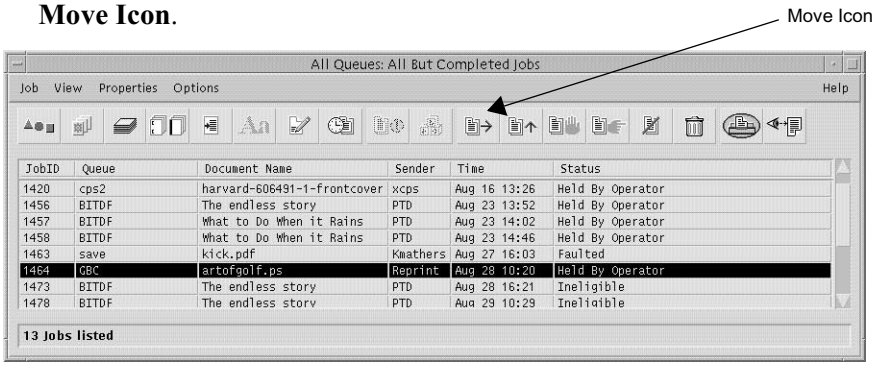

Figure 2-20: Job Manager window

6 Highlight the appropriate Queue for your job (in the figure below is an example of a **SBM Queue)** and then click **Apply.**

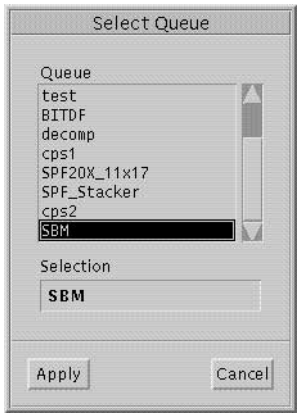

Figure 2-21: SBM Queue window

7 Click the **Release Icon** to start running the job.

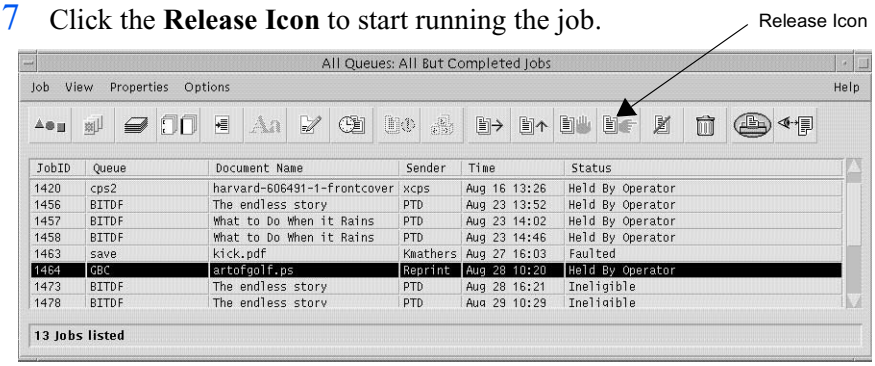

Figure 2-22: Release Icon in the Job Manager window

8 Highlight any External Profile shown in the **On-line Finishers** tab window and click **Disable**. The green check-mark in the **Enabled** column of the highlighted profile should now have switched to a red X as shown in the figure below.

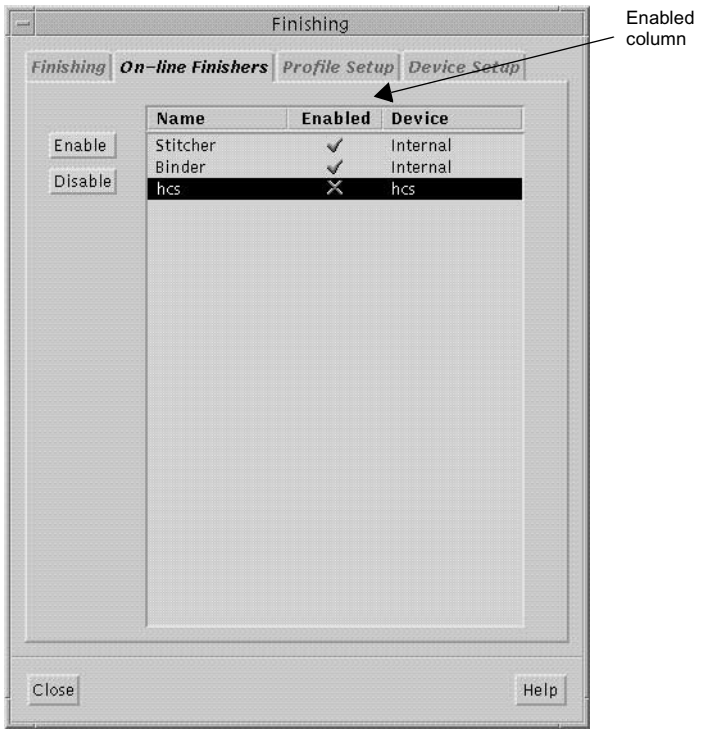

Figure 2-23: On-line Finishers tab

9 Click the **Profile Setup** tab as shown in the figure below. Highlight any enabled profile (not the **SBM** profile) and then click **Off-line**. Now highlight the **SBM** profile and click **On-line**. The **SBM** profile should now have a green check-mark in the **On-line** column as shown in the figure below.

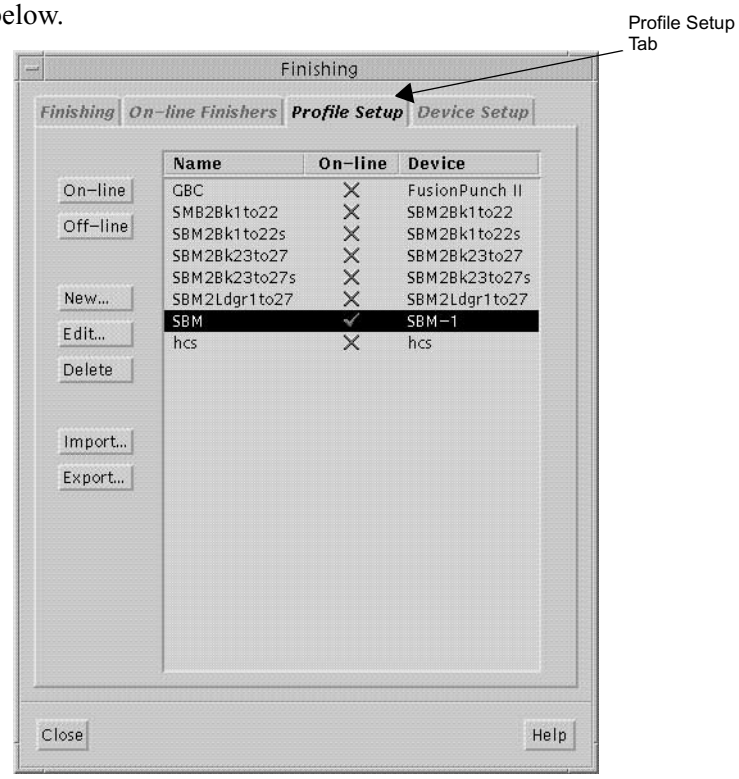

Figure 2-24: Profile Setup tab

10 Go back to the **On-line Finishers** tab and highlight the **SBM** profile, then click **Enable**. The **SBM** profile should now have a green check-mark in the **Enabled** column.

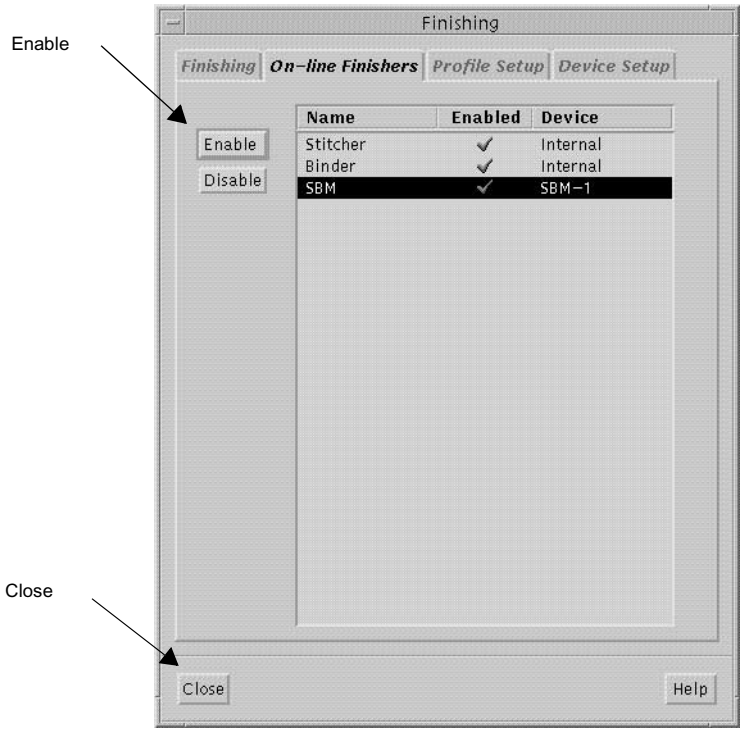

Figure 2-25: On-line Finishers tab

11 Click **Close** to close this window. Now go back and follow steps 4 - 7.

Using the GBC Stacker

The GBC Stacker is inline with the FusionPunch II and interfaces electronically and mechanically with the FusionPunch II. The Stacker will start up and shut down automatically with the Punch, under control of the Printer.

The Stacker requires minimal operator intervention, with the exception of unloading the Stacker Tray. Although the internal Stacker Tray has an extension that is adjustable, you will seldom have to change this adjustment, except in the case of job runs with unique paper sizes. See Figure 2- 26 below for locations of Stacker components.

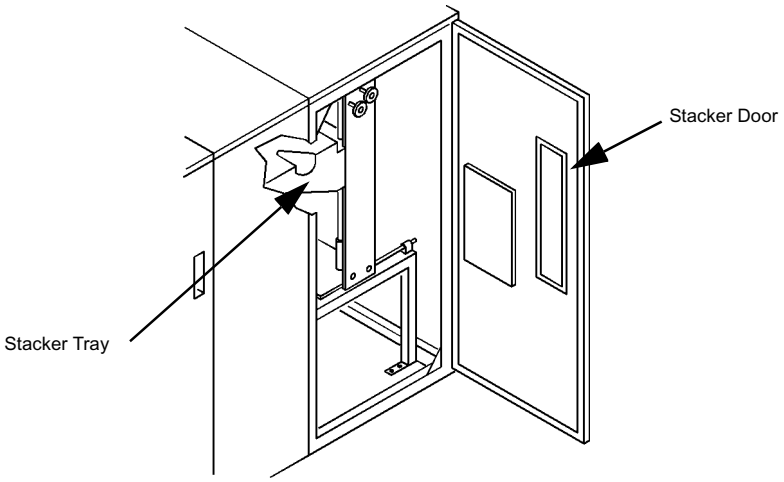

Figure 2-26: The GBC Stacker with Front Door open

To lower the Stacker Tray for unloading, go to the FusionPunch II Control Panel and do the following:

1 If in **Cycle Up** mode:

- and only one stacker is installed, wait for the FusionPunch II and the host printer to cycle down. **GBC Fusion Full Stop** will be displayed in the LCD Display Screen when the machines have cycled down.
- and the system is equipped with a Second Offset Stacker, you will not have to wait for the the punch and the printer to cycle down. By setting the destination to **Stack 1** or **Stack 2** the FusionPunch II will automatically switch between the stackers as long as the next stacker's tray is in the up position.

2 Press the **Raise/Lower Stacker**  **#1** button to lower the tray of the first (#1) Stacker in the system.

Press the **Raise/Lower Stacker**  **#2** button to lower the tray of the second stacker in the system (if a second Stacker is installed).

3 Open the Stacker Door and remove the punched copy.

4 Close the Stacker Door.

5 Press the **Raise/Lower Stacker**  button(s) to raise the Stacker tray (or trays) back up to the top position. The Punch will not start with the Stacker tray(s) down. The following applies to Stackers:

- If a single Stacker is used and its tray is down, the Punch Control Panel will display a message telling you to empty the Stacker. The Punch will not start until the tray is up.
- If more than one Stacker is employed in the system, at least one of the Stackers' trays must be up to start the Punch. However, when that Stacker fills up, the Punch will not switch to the other Stacker if its tray is down. Instead, it will stop the Printer and display a message telling you to empty the Stacker.

Chapter 3

Troubleshooting

Clearing Jams

A good rule for clearing jams is to follow the paper path through the Punch and Bypass Stacker, from left to right. The jam clearing procedures are as follows:

1 Press the **Stop/Reset**  button on the Punch Control Panel.

2 Open both Top Covers on the Punch, as shown in Figure 3-1.

3 Open (lift) the Input Ball Tracks, as shown in Figure 3-1, and clear any paper that may be jammed in that area. Also, check the printer Finisher and output tray for any paper jams.

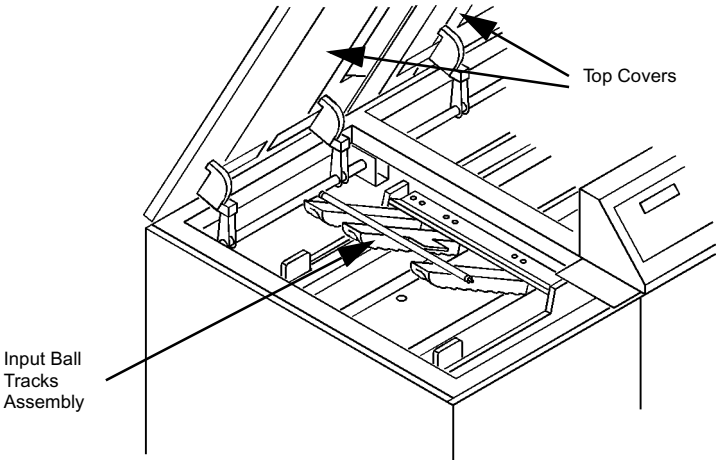

Figure 3-1: The Top Covers and Input Ball Tracks

4 Open (lift) the Input Guide Roller assembly, the Document Transport Ball Track assembly and the Sheet Eject Strap assembly, as shown in Figure 3-2 and clear any paper that may be jammed in that area.

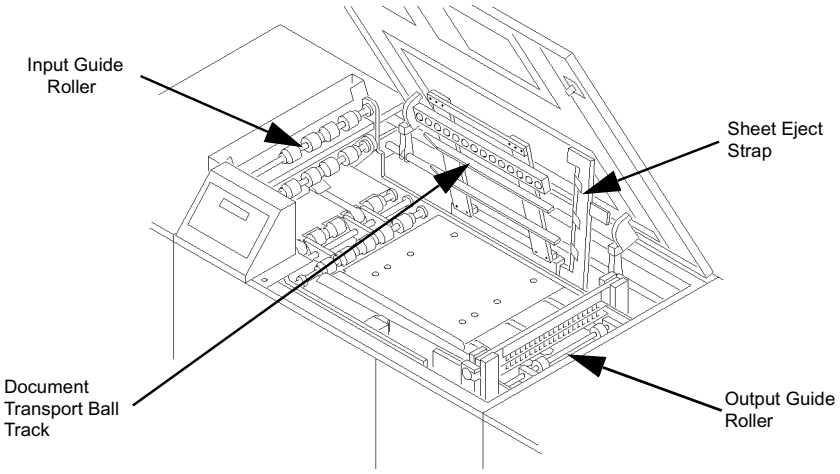

Figure 3-2: The Internal Paper Path Components

5 Remove the Output Guide Roller assembly, as shown in Figure 3-2 and clear any paper that may be jammed in that area.

6 Reinstall the Output Guide Roller assembly and ensure that all assemblies are locked down. Then, close the Top Covers.

7 Open the Bypass Stacker Top Cover and clear any paper that might be jammed in that area.

8 If the FusionPunch II is set up in **Cycle Up** mode, press the **Stop/Reset** button and the job will restart automatically.

9 If the FusionPunch II is set up in **Online** mode, press the **Stop/Reset** button to clear the error message and then press **Start** .

Error Messages

From the Printer

The following is a listing of Punch-related error messages that could appear on the Host Printer display screen. Also included are a description of the possible causes and the resolution for each problem.

Error Message	Possible Cause	Resolution
DocuTech 135: Clear External Finisher to run jobs to the Bypass Transport/ External Finisher not ready.	1. The current job has a fault and must be reset. 2. The FusionPunch II is not Online.	1. Click on the Printer icon. If there is a reset option, select **Reset**  . 2. Press **Stop/Reset**  at the Punch and then press **"ONLINE/OFFLINE"**. Ensure that the Punch is in the Online mode and then press **Start**  .
DocuTech 135: External Finisher Full.	The Punch has filled the Stacker and is waiting to be emptied.	Unload the Stacker and then restart the Punch Online.
DocuTech 61XX: Clear External Finisher to run jobs to the Bypass Transport or External Finisher not ready.	The FusionPunch II is not Online.	Press **Stop/Reset**  at the Punch and then press **"ONLINE/OFFLINE"**. Ensure that the Punch is in the Online mode and then press **Start**  .

Figure 3-3: Printer-Generated Error Messages

Error Message	Possible Cause	Resolution
DocuTech 61XX: External Finisher Full	The Punch has filled the Stacker and is waiting to be emptied.	Unload the Stacker and then restart the Punch Online.
Xerox 4xxx Printer: External Finisher not ready.	The FusionPunch II is not Online.	Press **Stop/Reset**  at the Punch and then press **"ONLINE/OFFLINE"**. Ensure that the Punch is in Online Mode, then press **Start**  .
Xerox 4xxx Printer: External Finisher Full.	The Stacker has filled and is waiting to be emptied.	Unload the Stacker and then restart the Punch Online.
Xerox 4xxx Printer does not recognize the External Finisher.	1. The Profile has not been set up correctly. 2. The Profile has not been loaded into the Printer correctly or has not been loaded at all.	1. Check the Profile at the Printer to ensure proper Host Enablement. Call your System Administrator and refer to the setup procedures in Appendix A of this User Guide. 2. Call the Xerox Service Representative to verify proper Host Enablement.
Xerox 4xxx / DT 135 / 61XX Printer Jam in area 20 and External Finisher or External Finisher jam.	A jam has occurred in the FusionPunch II.	1. Discard any sheets that have not been completely delivered to the Stacker. 2. Press **Stop/Reset**  to clear error message. Follow printer jam clearance procedure and resume the job.

Figure 3-3: Printer-Generated Error Messages

Error Messages

From the FusionPunch II

The following is a listing of Punch-related error messages that could appear on the FusionPunch II Control Panel Display screen. Also included are a description of the possible causes and the resolution for each problem.

Error Message	Possible Cause	Resolution
Punch Covers Open	The Interlock Switch under one or both of the Punch covers is not actuated.	Open and close both Punch covers and ensure that they are securely closed. If the problem persists, call your GBC or Xerox Service Representative.
Punch Left Door open/ Punch Mid Door open/ Punch Right Door open	The Interlock Switch behind the Punch Door that corresponds to the error message is not actuated.	Open and close the appropriate door, corresponding to the error message, and ensure that it is securely closed. If the problem persists, call your GBC or Xerox Service Representative.
Stacker Cover open	The Interlock Switch under the Stacker's Top Cover is not actuated.	Open and close the Stacker's Top Cover and ensure that it is securely closed. If the problem persists, call your GBC or Xerox Service Representative.
Stacker Door open	The Interlock Switch behind the Stacker Door is not actuated.	Open and close the Stacker Door and ensure that it is securely closed. If the problem persists, call your GBC or Xerox Service Representative.

Figure 3-4: Punch-Generated Error Messages

Error Message	Possible Cause	Resolution
Jam Entrance Sensor	1. There is a sheet of paper blocking the Entrance Sensor (first sensor from the left side of the machine). 2. The Entrance Sensor and/or its Reflector may be dirty. 3. The Side Guide may be adjusted too tight for the paper, cover stock, or tab stock.	1. Lift up the Input Track Ball assembly and remove the paper. 2. Clean the Entrance Sensor and reflector, using Isopropyl alcohol and a clean, lint-free cloth. If the problem persists, call your GBC or Xerox Service Representative. 3. Ensure that the Side Guide is not too tight. Perform the adjustment in Chapter 2 (Setting the Side Guide). If the problem persists, call your GBC or Xerox Service Representative. 4. Press **Stop/Reset**  button to clear error message. Follow printer jam clearance procedure and resume the job.

Figure 3-4: Punch-Generated Error Messages

Error Message	Possible Cause	Resolution
Jam Document Transport Sensor 1	1. There is a sheet of paper blocking the first Document Transport Sensor (second sensor from the left). 2. The Document Transport Sensor 1 and/or its Reflector may be dirty. 3. The Side Guide may be adjusted too tight for the paper, cover stock, or tab stock.	1. Lift up the Document Transport Track Ball assembly and remove the paper. 2. Clean the Document Transport Sensor 1 and reflector, using Isopropyl alcohol and a clean, lint-free cloth. If the problem persists, call your GBC or Xerox Service Representative. 3. Ensure that the Side Guide is not too tight. Perform the adjustment in Chapter 2 (Setting the Side Guide). If the problem persists, call your GBC or Xerox Service Representative. 4. Press **Stop/Reset**  button to clear error message. Follow printer jam clearance procedure and resume the job.

Figure 3-4: Punch-Generated Error Messages

Error Message	Possible Cause	Resolution
Jam Document Transport Sensor 2	1. There is a sheet of paper blocking the second Document Transport Sensor (third sensor from the left). 2. The Document Transport Sensor 2 and/or its Reflector may be dirty. 3. The Side Guide may be adjusted too tight for the paper, cover stock, or tab stock.	1. Lift up the Document Transport Track Ball assembly and remove the paper. 2. Clean the Document Transport Sensor 2 and reflector, using Isopropyl alcohol and a clean, lint-free cloth. If the problem persists, call your GBC or Xerox Service Representative. 3. Ensure that the Side Guide is not too tight. Perform the adjustment in Chapter 2 (Setting the Side Guide). If the problem persists, call your GBC or Xerox Service Representative. 4. Press **Stop/Reset**  button to clear error message. Follow printer jam clearance procedure and resume the job.

Figure 3-4: Punch-Generated Error Messages

Error Message	Possible Cause	Resolution
Jam Punch Sensor	1. There is a sheet of paper blocking the Punch Sensor (fourth sensor from the left). 2. The Punch Sensor and/or its Reflector may be dirty. 3. The Side Guide may be adjusted too tight for the paper, cover stock, or tab stock.	1. Lift up the Sheet Eject Strap assembly and remove the paper. 2. Clean the Punch Sensor and reflector, using Isopropyl alcohol and a clean, lint-free cloth. 3. Ensure that the Side Guide is not too tight. Perform the adjustment in Chapter 2 (Setting the Side Guide). If the problem persists, call your GBC or Xerox Service Representative. 4. Press **Stop/Reset**  button to clear error message. Follow printer jam clearance procedure and resume the job.
Jam Punch Exit Sensor	1. There is a sheet of paper blocking the Punch Exit Sensor at the Stacker's input. 2. The Punch Exit Sensor and/or its Reflector may be dirty.	1. Lift up the Stacker Top Cover and remove the paper. 2. Clean the Punch Exit Sensor and reflector, using Isopropyl alcohol and a clean, lint-free cloth. If the problem persists, call your GBC or Xerox Service Representative. 3. Press **Stop/Reset**  button to clear error message. Follow printer jam clearance procedure and resume the job.

Figure 3-4: Punch-Generated Error Messages

Error Message	Possible Cause	Resolution
Please Empty Stacker	1. The Stacker is full. 2. The Stacker Tray was left in the DOWN position.	1. Press the appropriate **Raise/Lower Stacker**  button (No. 1 or No. 2) to lower the Stacker Tray. Then, unload the Stacker. 2. Press the appropriate **Raise/Lower Stacker**  button (No. 1 or No. 2) to raise the Tray to its Home position. If the problem persists, call your GBC or Xerox Service Representative.
Please Check Chip Box	Each time the FusionPunch II is turned **ON** this message will appear. It will also appear after 100,000 completed punches.	Open the Punch Right Door, and leave it open for at least 5 seconds before closing it. The total count will not be affected by opening the Punch Right Door.
Stacker Upper Switch ??	The Stacker's Upper Switch did not release during an emptying operation.	Lower and raise the Stacker Tray several times, using the appropriate **Raise/Lower Stacker**  button (No. 1 or No. 2). Then, press the **Stop/Reset**  button. If the problem persists, call your GBC or Xerox Service Representative.

Figure 3-4: Punch-Generated Error Messages

Error Messages

From downstream devices

The following is a listing of error messages that could appear on the FusionPunch II Control Panel Display screen genereted by a downstream device. Also included are a description of the possible causes and the resolution for each problem.

Note: These messages will only be displayed when the FusionPunch II is set up in **Bypass** mode. If all messages are displayed one after the other, make sure that the downstream device is turned on and that the communications cable (DFA Cable) is properly connected.

Error Message	Possible Cause	Resolution
Next Device Not Ready	The downstream device from the FusionPunch II is not ready to receive paper.	Check the downstream device for further information.
Next Device Faulted	The downstream device from the FusionPunch II is in a Fault condition and is is not ready to receive paper.	Check the downstream device for further information and fault-resolutions.
Next Device Full	The downstream device from the FusionPunch II is in a Full condition and is not ready to receive paper.	Check the downstream device for further information.

Figure 3-5: Downstream device - Generated Error Messages

Chapter 4

Maintenance

Cleaning the FusionPunch II

Cleaning the FusionPunch II

Your FusionPunch II is designed as a high-speed, inline production Punch that requires only a minimal amount of attention from the operator. But, because it is a production machine and because it handles and punches paper, we recommend a light cleaning of the paper path components periodically, to remove accumulations of paper dust, paper chips and toner. GBC recommends the following operator maintenance practices.

When to Clean

The following is based on a printing house that operates one to three shifts a day.

Usage	Cleaning Intervals
Heavy usage (continuous - 8 hours per shift)	after each shift
Medium Usage (intermittent - 4 hours per shift)	after every 2 shifts
Light usage (intermittent - 2 to 3 hours per shift)	after every 3 shifts

In effect, the FusionPunch II should be cleaned after every 8 continuous hours of operation.

Note: In a very busy shop with significant paper dust in the air, the FusionPunch II may have to be cleaned more frequently - for example, after every 6 continuous hours of operation.

What to Use

GBC recommends using only 90% Isopropyl alcohol and a clean, lint-free cloth. 90% Isopropyl alcohol is available from any local pharmacy.

CAUTION: To prevent possible damage to the machine, use only 90% Isopropyl alcohol. Do **not** use film remover or any other type of cleaning solvent.

What to Clean

A good rule for cleaning that is easy to remember is to follow the paper path through the Punch and Bypass Stacker, from left to right. The cleaning procedures are as follows:

WARNING: Switch OFF (O) the Main Power Switch before performing this procedure.

Cleaning the Punch

1 Open the Top Covers on the FusionPunch II, as shown in Figure 4-1.

2 Open (lift) the Input Ball Tracks, as shown in Figure 4-1. Clean the green belt under the three ball tracks, the Sensor Reflector and the Sensor (under the hole in the base plate) with Isopropyl alcohol and a clean, lint-free cloth. Check also for accumulations of paper dust or toner under the base plate.

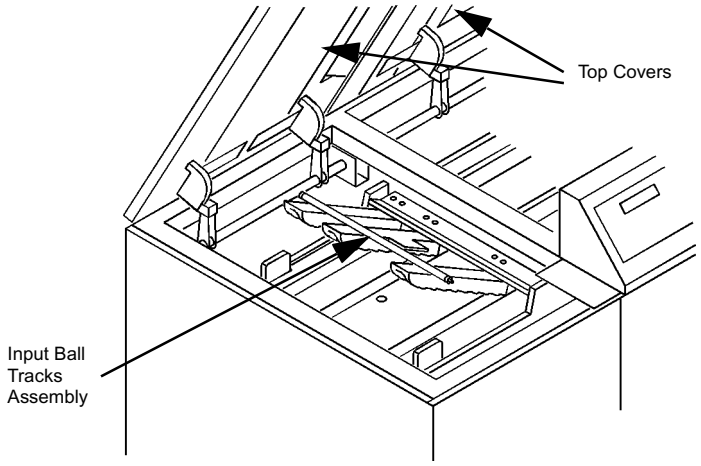

Figure 4-1: The Top Covers and Input Ball Tracks

3 Open (lift) the Input Guide Roller assembly, as shown in Figure 4-2. Clean the rollers with Isopropyl alcohol and a clean lint-free cloth. Check also for accumulations of paper dust or toner on the base plate.

4 Open (lift) the Document Transport Ball Track assembly, as shown in Figure 4-2. Clean the green belt under the ball track, both Sensor Reflectors and both Sensors (under the holes in the base plate) with Isopropyl alcohol and a clean lint-free cloth. Check also for accumulations of paper dust or toner on the base plate.

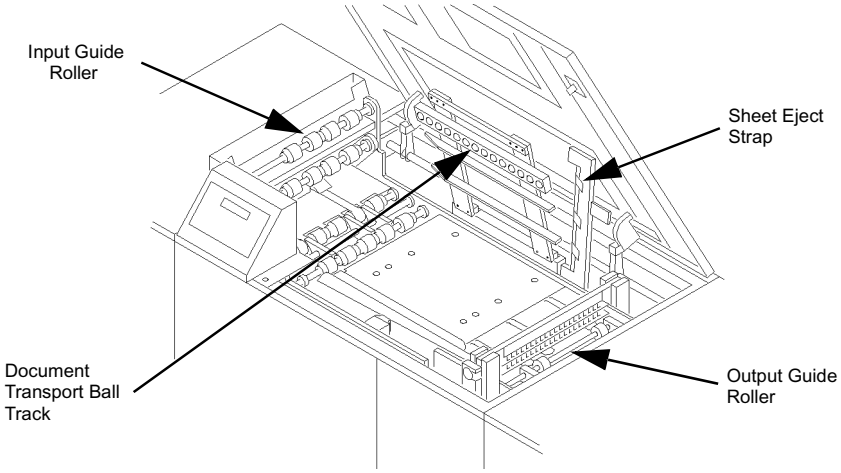

Figure 4-2: The Internal Paper Path Components

5 Open (lift) the Sheet Eject Strap assembly. Clean the green belts under the straps, the Sensor Reflector and the Sensor (under the hole in the base plate) with Isopropyl alcohol and a clean lint-free cloth. Clean the Side Guide and the Infeed Guide, as shown in Figure 4-3. Check also for accumulations of paper dust or toner on the base plate.

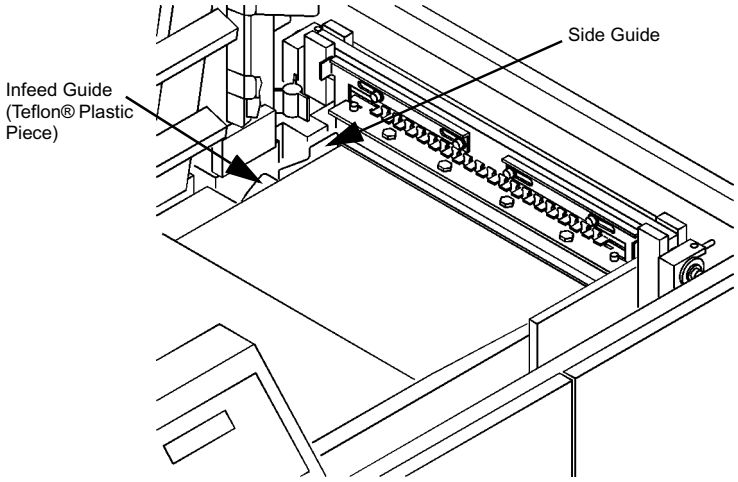

Figure 4-3: The Side Guide and Infeed Guide

6 Remove and clean the Output Guide Roller assembly and the red rollers under the Output Guide Roller assembly. Clean the rollers with Isopropyl alcohol and a clean lint-free cloth. Check also for accumulations of paper dust or toner on the base plate.

7 Close (lower) all assemblies and reinstall the Output Guide Roller assembly when finished. Close the Top Covers and resume normal operation.

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Cleaning the Stacker

1 Open the Stacker Top Cover, as shown in Figure 4-4.

2 Clean the two orange O-rings on the Roller Assembly, as shown in Figure 4-4, using only 90% Isopropyl alcohol and a clean lint-free cloth.

3 Clean the large O-rings that transfer the drive to the rollers, using only 90% Isopropyl alcohol and a clean, lint-free cloth.

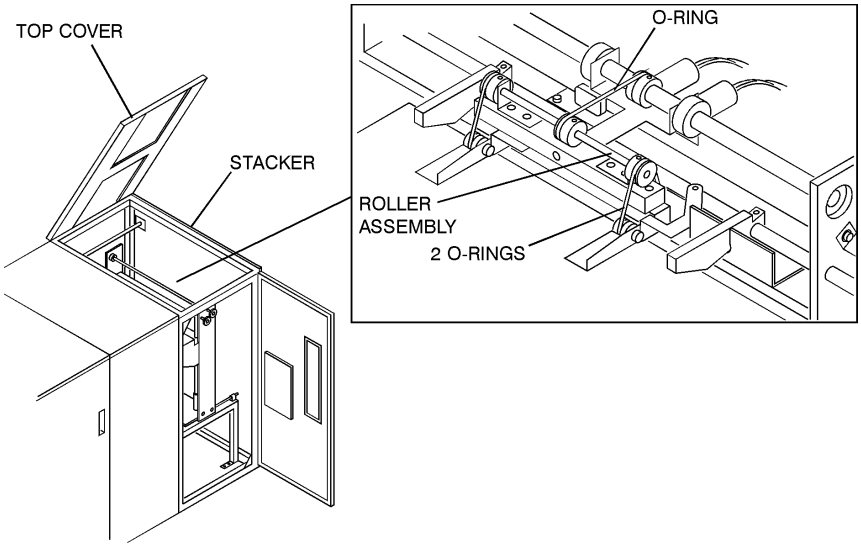

Figure 4-4: Cleaning the Stacker

Cleaning the Bypass

1 Open the Stacker Top Cover.

2 Clean the three red feed rollers and the green Flat Belt, as shown in Figure 4-5, using only 90% Isopropyl alcohol and a clean lint-free cloth.

3 Clean the Sensor, as shown in Figure 4-5, using only 90% Isopropyl alcohol and a clean lint-free cloth.

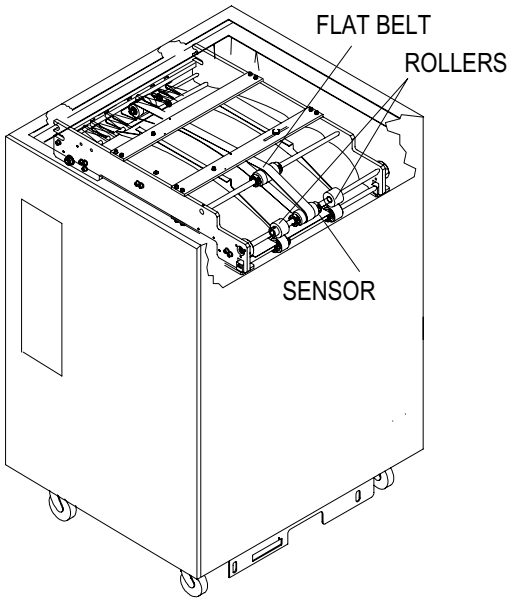

Figure 4-5: Cleaning the Bypass

Appendix A

Personality Profiles

Standard Punch Profiles

Other Known Configurations

61XX Personality Profiles

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Note: All downstream devices must be set to 6180 speed and use 6180 profiles regardless of the speed of the Host Printer.

Add 2200 to the Sheet Jam time and 2600 to the Set Jam time of the downstream device's profile, even if you have more than one GBC Bypass Stacker installed. Be sure to add any extra times specified by their profiles.

Note: N.B.:(C.P. Bourg)

- If one or more High Capacity Stackers is used, do not forget to add 656ms to the Sheet and Set Jam times for each stacker, when connected on a 6180 upstream or downstream. Add 861ms, when connected on a 6135 upstream only.
- High Capacity Stacker software must be 3.5.2 (DFA+Input+Driver) to support Cycle up and T.E. Signals from printer.
- BPRF+BBF2005: control of milling motor by BPRF requires:
  -Cycle up from printer + BPRF ready in perf. mode, if connected on a 61xx printer (PLC input X17 <ON>).
  -BPRF ready in perf. mode, if connected (BBF2005 PLC inputs X17/18/19 <OFF>).
- Delivery End Adjust: to allow the BPRF to determine if C0/C1 are trigged <Lead < or <Trail> edge, the maximum C0 pulse duration in <Trail> edge must be limited at 60 ms. In <Lead> edge mode, the C0 pulse duration is a function of the sheet size (process direction at pronter output) and is always longer than 100ms.
- BCFX: Maximum cover width (cross process direction): 310mm; minimum cover lenght (process direction): 250mm; maximum document width (bypass through BCFX): 310mm.

GBC FusionPunch II Personality Profiles

DocuTech 61XX to FusionPunch II

Device Profile - Properties and Default Limits Tab

DocuTech Models	**61XX**	**61XX**	**61XX**
Finishers	FusionPunch II	FusionPunch II	FusionPunch II and Xerox High Capacity Stacker
Configuration	Single Stacker	Dual Stacker	Single/Dual/High Capacity Stacker
Device Name	FusionPunch II	FusionPunch II	PunchSE
Type	External	External	External
Function 1	Line Off	Line Off	Line Off
Function 2	Line Off	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down	Face Up and Face Down
Rotate	Never	Never	Always
Minimum Sheet Length	254	254	254
Maximum Sheet Length	364	364	364
Minimum Sheet Width	203	203	203
Maximum Sheet Width	432	432	432
Minimum Sheet Weight	60	60	60
Maximum Sheet Weight	200	200	203
Minimum Set Size	1	1	1
Maximum Set Size	65000	65000	65000

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DocuTech 61XX to FusionPunch II

Device Profile-Properties and Default Limits-Timings Tab

(*) = For Each High Capacity Stacker in front the FP II on a 6155 / 6180, Add 656ms To Sheet and Set Jam Times.

(*) = For Each High Capacity Stacker in front the FP II on a 6100 / 6115 / 6135, Add 861ms To Sheet and Set Jam Times.

(#) = For Each High Capacity Stacker in front the FP II Add 50ms To End of Set Offset.

DocuTech Models	**61XX**	**61XX**	**6100, 6115, 6135**	**6155, 6180**
Finishers	FusionPunch II	FusionPunch II	FP II and Xerox High Capacity Stacker	FP II and Xerox High Capacity Stacker
Configuration	Single Stacker	Dual Stacker	Single/Dual/High Capacity Stacker	Single/Dual/High Capacity Stacker
Device Name	FusionPunch II	FusionPunch II	PunchSE	PunchSE
Time Between Sheets	0	0	0	180
Sheet Jam Time **(*)**	2200 **(*)**	2200 **(*)**	3250 **(*)**	3029 **(*)**
Set Compiler Processing Time	0	0	0	180
Time Between Sets	0	0	0	180
Set Jam Time **(*)**	2600 **(*)**	2600 **(*)**	3750 **(*)**	3529 **(*)**
Time to Cycle Up	0	0	0	0
S0	Enabled	Enabled	Enabled	Enabled
S1	Enabled	Enabled	Enabled	Enabled
S2	Enabled	Enabled	Enabled	Enabled
S3	Enabled	Enabled	Enabled	Enabled
S4	Disabled	Disabled	Disabled	Disabled
Delivery Signal Type	Lead Edge	Lead Edge	Lead Edge	Lead Edge
Delivery Start Adjust	0	0	120	120
Delivery End Adjust	100	100	50	50
End of Set Offset **(#)**	0 **(#)**	0 **(#)**	30 **(#)**	30 **(#)**
Recovery Behavior	Sheet	Sheet	Sheet	Sheet
Finisher Capacity	0	0	0	0
Cycle Down Delay	0	0	0	0

DocuTech 61XX to FusionPunch II

Finisher Profile - Properties and Limits

DocuTech Models	61XX	61XX	61XX
Finishers	FusionPunch II	FusionPunch II	FP II and Xerox High Capacity Stacker
Configuration	Single Stacker	Dual Stacker	Single/Dual/High Capacity Stacker
Profile Name	GBC	GBC	GBCSE
Type	FusionPunch II	FusionPunch II	PunchSE
Function 1	Line Off	Line Off	Line Off
Function 2	Line Off	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down	Face Up and Face Down
Rotate	Never	Never	Always
Minimum Sheet Length	254	254	254
Maximum Sheet Length	364	364	364
Minimum Sheet Width	203	203	203
Maximum Sheet Width	432	432	432
Minimum Sheet Weight	60	60	60
Maximum Sheet Weight	200	200	203
Minimum Set Size	1	1	1
Maximum Set Size	65000	65000	65000

With C.P. Bourg products downstream

DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Device Profile - Properties and Default Limits Tab

DocuTech Models Finishers CIM / No CIM	**61XX** SBM1 CIM / No CIM	**61XX** BBF2005 No CIM
Device Name	SBM1	BBF2005
Type	Signature Booklet Maker	External
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	System Specified	Never NB: Rotation needed if glue must be applied on short edge.
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	1	15
Maximum Set Size	22	350

DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Device Profile - Properties and Default Limits Tab

DocuTech Models Finishers CIM / No CIM	61XX BBF2005 Bypass No CIM	61XX BPRF + BBF2005 No CIM
Device Name	BBF2005 Bypass	BPRF + BBF2005
Type	External	External
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Never NB: Rotation needed if glue must be applied on short edge.	Never NB: Rotation needed if glue must be applied on short edge.
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	15	15
Maximum Set Size	350	350 NB: Max 125 sheet if Perf./Rot and fold is used.

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DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Device Profile - Properties and Default Limits Tab

DocuTech Models	61XX	61XX
Finishers	BPRF + BBF2005 Bypass	BDF
CIM / No CIM	No CIM	No CIM
Device Name	BPRF + BBF2005 Bypass	BDF
Type	External	External
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Never NB: Rotation needed if glue must be applied on short edge.	Never or Always depending on job.
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	15	1
Maximum Set Size	350 NB: Max 125 sheet if Perf./Rot and fold is used.	55

DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Device Profile - Properties and Default Limits – Timings Tab

DocuTec Models	**DT 61XX**	**DT 61XX**
Finishers	FP II /	FP II /
Device Name	SBM1	BBF2005
CIM / No CIM	CIM / No CIM	NA
Time Between Sheets	250	0
Sheet Jam Time	1000 **(1)**	1000 **(1)**
Set Compiler Processing Time	1300	2000
Maximum Set Processing Time	1300	15000
Set Jam Time	8000	32760
Time to Cycle Up	0	0
S0	Enabled	Enabled
S1	Enabled	Enabled
S2	Enabled	Enabled
S3	Disabled	Disabled (on request)
S4	Disabled	Disabled (on request)
Delivery Signal Type	Lead Edge	Trial Edge **(2)**
Delivery Start Adjust	0	60
Delivery End Adjust	30	60
End of Set Offset	175	30
Recovery Behavior	Set	Set

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DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Device Profile - Properties and Default Limits – Timings Tab

DocuTec Models	**DT 61XX**	**DT 61XX**
Finishers	FP II /	FP II /
Device Name	BBF2005 with Bypass	BPRF + BBF2005
CIM / No CIM	NA	NA
Time Between Sheets	0	0
Sheet Jam Time	1000 **(1)**	1000 **(1)**
Set Compiler Processing Time	2000	2000
Maximum Set Processing Time	15000	15000
Set Jam Time	32760	32760
Time to Cycle Up	0	0
S0	Enabled	Enabled
S1	Enabled	Enabled
S2	Enabled	Enabled
S3	Disabled (on request)	Disabled (on request)
S4	Disabled (on request)	Disabled (on request)
Delivery Signal Type	Trial Edge **(2)**	Trial Edge **(2)**
Delivery Start Adjust	200	60
Delivery End Adjust	60	60
End of Set Offset	30	30
Recovery Behavior	Set	Set
Finisher Capacity	0	0
Cycle Down Delay	0	0

DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Device Profile - Properties and Default Limits – Timings Tab

DocuTec Models	**DT 61XX**	**DT 61XX**
Finishers	FP II /	FP II /
Device Name	BPRF + BBF2005 with Bypass	BDF
CIM / No CIM	NA	NA
Time Between Sheets	0	0
Sheet Jam Time	1000 **(1)**	1000 **(1)**
Set Compiler Processing Time	2000	600
Maximum Set Processing Time	15000	600
Set Jam Time	32760	7168
Time to Cycle Up	0	0
S0	Enabled	Enabled
S1	Enabled	Enabled
S2	Enabled	Enabled
S3	Disabled (on request)	Enabled
S4	Disabled (on request)	Enabled
Delivery Signal Type	Trial Edge **(2)**	Lead Edge
Delivery Start Adjust	60	120
Delivery End Adjust	60	50
End of Set Offset	30	30
Recovery Behavior	Set	Set
Finisher Capacity	0	10
Cycle Down Delay	0	0

DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Finisher Profile - Properties and Limits

DocuTech Models Finishers CIM / No CIM	**61XX** SBM1 CIM / No CIM	**61XX** BBF2005 No CIM
Profile Name	SBM	BBF2005
Type	SBM1	BBF2005
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	System Specified	Never NB: Rotation needed if glue must be applied on short edge.
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	1	15
Maximum Set Size	22	350

DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Finisher Profile - Properties and Limits

DocuTech Models	**61XX**	**61XX**
Finishers	BBF2005 Bypass	BPRF + BBF2005
CIM / No CIM	No CIM	No CIM
Profile Name	BBF2005 Bypass	BPRF + BBF2005
Type	BBF2005 Bypass	BPRF + BBF2005
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Never NB: Rotation needed if glue must be applied on short edge.	Never NB: Rotation needed if glue must be applied on short edge.
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	15	15
Maximum Set Size	350	350 NB: Max 125 sheet if Perf./Rot and fold is used.

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DocuTech 61XX to FusionPunch II to C.P. Bourg Products

Finisher Profile - Properties and Limits

DocuTech Models	61XX	61XX
Finishers	BPRF + BBF2005 Bypass	BDF
CIM / No CIM	No CIM	No CIM
Profile Name	BPRF + BBF2005 Bypass	BDF
Type	BPRF + BBF2005 Bypass	BDF
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Never NB: Rotation needed if glue must be applied on short edge.	Never or Always depending on job.
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	15	1
Maximum Set Size	350 NB: Max 125 sheet if Perf./Rot and fold is used.	55

With the Xerox SBM2 downstream

DocuTech 61XX to FusionPunch II to SBM2 – without CIM

Device Profile - Properties and Default Limits Tab

Paper Sizes Set Sizes Non-Stream Feed / Stream Feed	8.5x11/8.5x14/A4 1 to 22 Sheet Set Non-Stream Feed	8.5x11/8.5x14/A4 1 to 22 Sheet Set Stream Feed	8.5x11/8.5x14/A4 23 to 27 Sheet Set Non-Stream Feed
Device Name	SBM2Bk1to22	SBM2Bk1to22S	SBM2Bk23to27
Type	External	External	External
Function 1	Line Off	Line Off	Line Off
Function 2	Line Off	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down	Face Up and Face Down
Rotate	Always	Always	Always
Minimum Sheet Length	254	254	254
Maximum Sheet Length	364	364	364
Minimum Sheet Width	203	203	203
Maximum Sheet Width	432	432	432
Minimum Sheet Weight	60	60	60
Maximum Sheet Weight	200	200	200
Minimum Set Size	1	1	23
Maximum Set	22	22	27

DocuTech 61XX to FusionPunch II to SBM2 – without CIM

Device Profile - Properties and Default Limits Tab

Paper Sizes Set Sizes Non-Stream Feed / Stream Feed	8.5x11/8.5x14/A4 23 to 27 Sheet Set Stream Feed	11x17/A3 1 to 27 Sheet Set Non-Stream Feed / Stream Feed
Device Name	SBM2Bk23to27S	SBM2Ldgr1to27
Type	External	External
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Always	Never
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Minimum Sheet Weight	60	60
Maximum Sheet Weight	200	200
Minimum Set Size	23	1
Maximum Set Size	27	27

DocuTech 6155/6180 to FusionPunch II to SBM2 –without CIM

Device Profile - Properties and Default Limits – Timings Tab

(*) = For Each High Capacity Stacker on a DT6155 / 6180, Add 656ms To Sheet and Set Jam Times.
(#) = For Each High Capacity Stacker Add 50ms To End of Set Offset.

Paper Sizes Set Sizes Non-Stream Feed / Stream feed	8.5x11/8.5x14/A4 1 to 22 Sheet Set Non-Stream Feed	8.5x11/8.5x14/A4 1 to 22 Sheet Set Stream Feed	8.5x11/8.5x14/A4 23 to 27 Sheet Set Non-Stream Feed
Time Between Sheets	120	120	120
Sheet Jam Time **(*)**	800 **(*)**	800 **(*)**	800 **(*)**
Set Compiler Processing Time	150	150	400
Maximum Set Processing Time	1200	1800	0
Set Jam Time **(*)**	7168 **(*)**	7168 **(*)**	7168 **(*)**
Time to Cycle Up	0	0	0
S0	Enabled	Enabled	Enabled
S1	Enabled	Enabled	Enabled
S2	Enabled	Enabled	Enabled
S3	Disabled	Disabled	Disabled
S4	Disabled	Disabled	Disabled
Delivery Signal Type	Lead Edge	Lead Edge	Lead Edge
Delivery Start Adjust	0	0	0
Delivery End Adjust	50	50	50
End of Set Offset **(#)**	20	20	20
Recovery Behavior	SET	SET	SET
Finisher Capacity	7	7	7
Cycle Down Delay	0	0	0

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DocuTech 6155/6180 to FusionPunch II to SBM2 –without CIM

Device Profile - Properties and Default Limits – Timings Tab

(*) = For Each High Capacity Stacker on a DT6155 / 6180, Add 656ms To Sheet and Set Jam Times.
(#) = For Each High Capacity Stacker Add 50ms To End of Set Offset.

Paper Sizes Set Sizes Non-Stream Feed / Stream feed	8.5x11/8.5x14/A4 23 to 27 Sheet Set Stream Feed	11x17/A3 1 to 27 Sheet Set Non-Stream Feed / Stream Feed
Time Between Sheets	120	120
Sheet Jam Time **(*)**	800 **(*)**	800 **(*)**
Set Compiler Processing Time	600	150
Maximum Set Processing Time	0	2400
Set Jam Time **(*)**	7168 **(*)**	7168 **(*)**
Time to Cycle Up	0	0
S0	Enabled	Enabled
S1	Enabled	Enabled
S2	Enabled	Enabled
S3	Disabled	Disabled
S4	Disabled	Disabled
Delivery Signal Type	Lead Edge	Lead Edge
Delivery Start Adjust	0	0
Delivery End Adjust	50	50
End of Set Offset **(#)**	20	20
Recovery Behavior	SET	SET
Finisher Capacity	7	7
Cycle Down Delay	0	0

DocuTech 61XX to FusionPunch II to SBM2 – without CIM

Finisher Profile - Properties and Limits

Paper Sizes Set Sizes Non-Stream Feed / Stream Feed	8.5x11/8.5x14/A4 1 to 22 Sheet Set Non-Stream Feed	8.5x11/8.5x14/A4 1 to 22 Sheet Set Stream Feed	8.5x11/8.5x14/A4 23 to 27 Sheet Set Non-Stream Feed
Profile Name	SBM2Bk1to22	SBM2Bk1to22S	SBM2Bk23to27
Type	SBM2Bk1to22	SBM2Bk1to22S	SBM2Bk23to27
Function 1	Line Off	Line Off	Line Off
Function 2	Line Off	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down	Face Up and Face Down
Rotate	Always	Always	Always
Minimum Sheet Length	254	254	254
Maximum Sheet Length	364	364	364
Minimum Sheet Width	203	203	203
Maximum Sheet Width	432	432	432
Minimum Sheet Weight	60	60	60
Maximum Sheet Weight	200	200	200
Minimum Set Size	1	1	23
Maximum Set Size	22	22	27

DocuTech 61XX to FusionPunch II to SBM2 – without CIM

Finisher Profile - Properties and Limits

Paper Sizes Set Sizes Non-Stream Feed / Stream Feed	8.5x11/8.5x14/A4 23 to 27 Sheet Set Stream Feed	11x17/A3 1 to 27 Sheet Set Non-Stream Feed / Stream Feed
Profile Name	SBM2Bk23to27S	SBM2Ldgr1to27
Type	SBM2Bk23to27S	SBM2Ldgr1to27
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Always	Never
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Minimum Sheet Weight	60	60
Maximum Sheet Weight	200	200
Minimum Set Size	23	1
Maximum Set Size	27	27

DocuTech 61XX to FusionPunch II to SBM2 – with CIM

Device Profile - Properties and Default Limits Tab

DocuTech Model	**DT 6155 / 6180**	**DT 6155 / 6180**
Paper Sizes	8.5x11/8.5x14/A4	11x17/A3
Set Sizes	1 to 27 Sheet Set	1 to 27 Sheet Set
Non-Stream Feed / Stream Feed	Stream Feed	Non-Stream Feed / Stream Feed
Device Name	SBM2Bk1to27C	SBM2Ldgr1to27C
Type	External	External
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Always	Never
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Minimum Sheet Weight	60	60
Maximum Sheet Weight	200	200
Minimum Set Size	1	1
Maximum Set Size	27	27

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DocuTech 61XX to FusionPunch II to SBM2 - with CIM

Device Profile - Properties and Default Limits – Timings Tab

(*) = For Each High Capacity Stacker on a DT 6155 / 6180, Add 656ms To Sheet and Set Jam Times.
(*) = For Each High Capacity Stacker on a DT6100 /6115 / DT6135, Add 861ms To Sheet and Set Jam Times.
(#) = For Each High Capacity Stacker Add 50ms To End of Set Offset.

DocuTech Model Paper Sizes Set Sizes Non-Stream Feed / Stream Feed	**DT 6155 / 6180** 8.5x11/8.5x14/A4 1 to 27 Sheet Set Stream Feed	**DT 6155 / 6180** 11x17/A3 1 to 27 Sheet Set Non-Stream Feed / Stream Feed
Time Between Sheets	120	120
Sheet Jam Time **(*)**	800 **(*)**	800 **(*)**
Set Compiler Processing Time	400	600
Maximum Set Processing Time	1200	2400
Set Jam Time **(*)**	7168 **(*)**	7168 **(*)**
Time to Cycle Up	0	0
S0	Enabled	Enabled
S1	Enabled	Enabled
S2	Enabled	Enabled
S3	Disabled	Disabled
S4	Disabled	Disabled
Delivery Signal Type	Lead Edge	Lead Edge
Delivery Start Adjust	0	0
Delivery End Adjust	50	50
End of Set Offset **(#)**	250 **(#)**	90 **(#)**
Recovery Behavior	SET	SET
Finisher Capacity	7	7
Cycle Down Delay	0	0

DocuTech 61XX to FusionPunch II to SBM2 – with CIM

Finisher Profile - Properties and Limits

DocuTech Model	DT 6155 / 6180	DT 6155 / 6180
Paper Sizes	8.5x11/8.5x14/A4	11x17/A3
Set Sizes	1 to 27 Sheet Set	1 to 27 Sheet Set
Non-Stream Feed / Stream Feed	Stream Feed	Non-Stream Feed / Stream Feed
Profile Name	SBM2Bk1to27C	SBM2Ldgr1to27C
Type	SBM2Bk1to27C	SBM2Ldgr1to27C
Function 1	Line Off	Line Off
Function 2	Line Off	Line Off
Sheet Sequence	1-N and N-1	1-N and N-1
Side 1 Direction	Face Up and Face Down	Face Up and Face Down
Rotate	Always	Never
Minimum Sheet Length	254	254
Maximum Sheet Length	364	364
Minimum Sheet Width	203	203
Maximum Sheet Width	432	432
Maximum Sheet Weight	200	200
Minimum Sheet Weight	60	60
Minimum Set Size	1	1
Maximum Set Size	27	27

DocuTech 135 Host Machine Enablement

1. Open the **Job manager**.
2. Log in with your user ID and password.
3. Go to the top right corner of the keyboard and press **Diagnostics**.

NOTE: If you have a job in the printer queue, the DocuTech will prompt you to switch immediately.

4. Press **yes**.
5. After **Diagnostics** have been invoked, select **DC Controller**, found in the top left corner of the screen.
6. Go to **Controller DC 105** and enable **BYPASS TRANSPORT** by selecting "**other**".
7. On the next screen, select **DC 131 NVM Read and Write**.
8. Select **FBN** and enter the values for the specified FBN nodes, as listed below.

FBN settings for DocuTech 135

- FBN 186 = 0: This is the End of Set Offset Time
- FBN 188 = 100: This is the End of Set Pulse Width
- FBN 191 = 0: This is the lead edge and trail edge trigger
- Lead edge = 0 and Trail edge = 1

After you have entered the values, you must close the call. To do this:

1. Select **SCP**, found in the top left corner of the screen.
2. Go to the bottom left corner of the screen and click **Close Call**.

NOTE: The DocuTech will prompt you to enter service call information.

3. Enter **Other** for the cause of call.
4. Enter **Incomplete Other** for the status of call.
5. Go to the bottom right corner of the screen and click **Close Call**.
6. Click **Yes** to close call.

Click the **Printer** icon and then **Reset**. The **End of Set** signal will be timed correctly with the FusionPunch and the Offset stacker.

Xerox 4xxx LPS Host Machine Enablement

1. Stop any job that is currently running and take the system offline.
2. Log in at the **log4** level. Type **log 4** and press **Enter.**
3. Type **Field Engineer** and press **Enter**.
4. Type **edit** and press **Enter**.
   The prompt, **EDIT>** displays.
5. Type **INS 10,10** and press **Enter**.
   A line number will display, for example, **000010**.
6. Type **CLEAR = OUT135,0,0,0,0,0,0,0,0,0,0,0;** and press **Enter**.
   The next line number will display, for example, **000020**.
7. Type **GBCPUNCH = OUT135,0,0,0,0,0,0,7,0,0,0,0;** and press **Enter** *twice*. The **EDIT>** prompt displays again.
8. Type **SCE** and press **Enter**.
   The system will prompt you to name the file so it can save it.
9. Type **FCG.LIB** and press **Enter**.
10. If the system asks you to overwrite the file, press **Y** for yes.
    The system will save the GBC Punch Profile to the printer.

You must now load the profile. Use the following procedure to load the profile.

1. Press **Enter** to exit the EDIT> mode.
2. Type **FCG GBCPUNCH** and press **Enter**.

   NOTE: There is a space between **FCG** and **GBCPUNCH**.

   The system will display a message indicating that the profile has successfully loaded. This completes the profile setup.
3. Instruct the customer to send all punch jobs to **Stacker bin E**.

   This will route all punch jobs to the bypass transport and finisher with the correct timing and profile values.

Xerox 4xxx NPS Host Machine Enablement

The procedure that follows describes how to configure a GBC profile for Xerox 4000 Family NPS printing systems. This profile allows you to send a job through a network and then change the output destination at the Sun NPS Workstation. Once you have set up the GBC profile, you will be required to configure a GBC Print Queue. You will then have to set up a new printer on all of the computers used to send jobs through the network and ensure that they are all using the production print software to send jobs.

This setup, once completed, will allow the customer to send a job to a GBC Print Queue. The GBC Print Queue ensures that jobs print to the Bypass and the FusionPunch with the correct profile settings.

Configuring the GBC Personality Profile

1. Switch on the GBC Fusion Punch and ensure that it is Online.
2. At the Sun NPS Workstation, point the cursor to a blank part of the screen, right-click the mouse and select **Restart**.
   The system will reboot.
3. Type **Priv admin** (space) and press **Enter**.
   The system will prompt you for a password.
4. Type **administrator** as your password.
   The prompt, **Ps Admin** displays. You are now at the System Administrator logon level.
5. Type **Create Output Profile** and press **Enter**.
   The system prompts you to enter a name.
6. Type **GBCPunch** and press **Enter**.
   The prompt, **P1** displays. This is the first profile parameter.
7. Answer the parameter prompts as follows:
   P1 = 0, **P2 = 0**, **P3 = 0**, **P4 = 0**, **P5 = 0**, **P6 = 0**, **P7 = 7**, **P8 = 0**, **P9 = 0**, **P10 = 0**, **P11 = 0**
8. Repeat Step 2 to reboot the Workstation. After the system has rebooted, go to Step 9.
9. Type **Set Output Profile** and press **Enter**.
   The system will prompt you for the name of the profile.
10. Type **GBCPunch** and press **Enter**.
    The system will display a message indicating that the profile is set. You have completed creating and setting the GBC Profile.
11. To view the profile, type **List Output Profile** (or **Show Output Profile**) and press **Enter**.

Xerox 4xxx Output Profile

1. Type **Set Output Profile** and press **Enter**.

   The system will prompt you for the name of the profile.

2. Type the name of the profile exactly as it was originally entered and press **Enter**.

   The system will display a message indicating that the profile is set.

Configuring a GBC Print Queue

1. Type **Priv admin** (space) and press **Enter**.

   The system will prompt you for a password.

2. Type **administrator** as your password.

   The prompt, **Ps Admin** displays. You are now at the System Administrator logon level.

3. Type **Create Virtual Printer** and press **Enter**.

   The system prompts you to enter a name.

4. Type **GBCPunch** and press **Enter**.

5. Type **Change Virtual Printer** and press **Enter**.

6. Type **Output Bin** and press **Enter**.

   The system will prompt you for an attribute value.

7. Type **258** and press **Enter**.

   This value tells the system to run the output to the Bypass Transport.

Glossary

G

Glossary of Common FusionPunch II Terms

Glossary of Common FusionPunch II Terms

The following is a glossary/definition of terms that are common to the GBC FusionPunch II and all related inline finishing devices.

Backgauge - an adjustable assembly that serves as a stop for the paper when it arrives under the Punch Die. The adjustment of the Backgauge determines the distance from the long edge of the paper to the punched holes. This adjustment applies only when a GBC Cerlox 19-hole Punch Die set is in use. For all other die sets, the Backgauge is set to its extreme minimum position.

Backgauge Adjustment Knob - a knob that is used to adjust the Backgauge assembly described above.

Centering the Punch - an adjustment procedure that is used to ensure that the punched holes are centered (side to side) on the paper.

Control Panel - the central control area for the FusionPunch II and any stackers that may be inline with the Punch. It consists of all control buttons and a LCD display screen.

Diagnostics - a set of test routines used by the service representative to troubleshoot the FusionPunch II.

Die, or Die Set - the tool steel assembly that punches the holes in the paper.

Die Lock Knob - the knob that is used to lock down or release the Die Set. You would use this release to change die sets.

Die Pins - the actual cutting tools that are part of the Die Set. Each Die Pin cuts a hole in the paper. A die set that punches several holes has several die pins. Also, these pins are individually removable to adjust for different widths of paper, or for replacement, in case one becomes damaged.

Document Transport Ball Track Assembly - an assembly that is located in the center of the paper path through the Punch. It consists of rails with large plastic ball bearings under which the paper passes with minimal friction. The Document Transport Ball Track Assembly is hinged and can be opened (lifted) in the event of a paper jam. This assembly also contains reflectors for the two sensors installed in that area of the paper path.

DocuPrint - a high speed printer that feeds the actual documents to the FusionPunch II and stackers.

DocuTech - same as DocuPrint above, except it is larger, more configurable, and has a wider range of capabilities.

Edge Guide Adjustment Knob - the knob that is used in centering the Punch to ensure that the holes are centered (side to side) on the paper.

Finishing Device - any device that is installed inline with a printer to process and finish documents. The FusionPunch II is a finishing device. The Stacker is another example of a finishing device.

Infeed Guide - a small, contoured paper guide made of Mylar® or Teflon® plastic and located under the Sheet Eject Strap Assembly, next to the Side Guide.

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Inline - same as "in series with", or directly behind another device. The FusionPunch II is inline with the printer and the Stacker, in turn, is inline with the FusionPunch II.

Misfeed - a condition that occurs when paper becomes folded or wrinkled and becomes stuck while feeding, thereby causing a paper jam.

Offline - when finishing devices are not being fed or controlled by the printer in a live production run. When the FusionPunch II and Stacker are being fed manually, they are in offline mode. Many setup and error recovery operations are done offline.

Offset Stacked - an automatic machine method of stacking documents in a staggered, side-to-side fashion so that each individual document (e.g., book or manual) is separated from the next.

One-Sided - a printing job that uses only one side of the paper, also called Single-Sided.

Online - the opposite of Offline; when the finishing devices are being fed and controlled automatically by the printer in a live production run.

Operator - the person responsible for the operation of the printer and finishing devices. The Operator starts production jobs and sees them through to completion.

Pressure Bar Release Levers - two levers that are used to lock or release the Pressure Bar, a machined steel bar located on top of the Die Set. You would remove the Die Set from the machine and release the Pressure bar to access and remove die pins, or change damaged pins.

Printer - the machine that actually produces the documentation (prints the books) and controls the finishing devices. The Xerox DocuPrint and DocuTech are examples of printers.

Print Queue - a set of values or system configuration parameters in the printer's operating system that communicates input and output information from the printer to a finishing device, such as the FusionPunch II. The System Administrator can set up or change these values from the keyboard.

Profile - similar to Print Queue above; a set of values or system configuration parameters in the printer's operating system that communicates input and output information from the printer to a finishing device, such as the FusionPunch II. Each model of printer has its own, unique profile.

Punch - a finishing device, such as the FusionPunch II, that is used to punch binding holes in printed documents.

Punch Arm Retaining Levers - two levers that are used to lock or release the Die Set assembly from the machine. You would release these levers to change die sets.

Punch Cover - refers to the two top covers on the FusionPunch II. The covers can be opened to allow access to the paper path through the Punch. The small top cover to the left, when opened, exposes the Input Ball Track assembly and the paper entryway into the machine. The large top cover next to it is opened to access the remainder of the paper path and associated components.

Right Punch Door - the narrow door in the front of the Punch cabinet that, when opened, allows access to various adjustment knobs and to the Slug (punched paper chaff) Bin, which must be emptied periodically.

Setting the Backgauge - an adjustment procedure that is done to ensure that the margin between the leading edge of the paper and the punched holes is correct.

Setting the Side Guide - an adjustment procedure that is done to ensure that each sheet of paper maintains registration as it passes through the Die Set to be punched.

Sheet Eject Strap Assembly - an assembly consisting of a steel rail and three spring steel straps, that is used to tension the paper just before it enters the Die Set. The Sheet Eject Strap assembly is hinged and can be opened to clear paper jams.

Side Guide - a small, contoured paper guide made of sheet metal and located under the Sheet Eject Strap Assembly, to the right of the Infeed Guide. The Side Guide is adjustable and is used in *Setting the Side Guide*, described above.

Stacker - the finishing device that follows the FusionPunch II. The Stacker receives the punched output from the FusionPunch II and stacks it on an internal tray that will hold 2500 sheets of paper. When the Stacker Tray is full, the operator removes the stacked documents and generally transfers them to a separate area for offline binding.

Stacker Tray - a tray internal to the Stacker, as described above.

System Administrator - the person who is responsible for setting up and maintaining the printer's operating system. The System Administrator also installs new software, when necessary.

Two-Sided - a printing job that uses both sides of the paper; also called Double-Sided, or Duplex.