

# C.P. Bourg Document Finisher (BDFNx)

## Finishing Solutions Planning Guide

### Supported Printers

Xerox DocuTech® 61xx

Xerox DocuTech® 1xx HighLight Color (HLC)

Xerox DocuPrint® 1xx

Xerox Nuvera® 100/120/144/157 EA Production System

Xerox Nuvera® 200/288/314 EA Perfecting Production System

Xerox Nuvera® MICR



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Printed in the United States of America.

Changes are periodically made to this document. Changes, technical inaccuracies, and typographic errors will be corrected in subsequent editions.

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Document Version: Revision R (April 15, 2013).

# Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>1-1</b>
	About this Guide .....	1-1
	Contents .....	1-1
	Professional Support Services .....	1-2
<b>2</b>	<b>Product Overview .....</b>	<b>2-1</b>
	Install Planning .....	2-2
	Device Configurations .....	2-2
	Space Requirements .....	2-2
	Electrical Requirements .....	2-5
	Environmental Requirements .....	2-6
	Install and Customer Training .....	2-6
	Operating Supplies .....	2-6
	Floor Load .....	2-7
	Floor Level .....	2-7
	Unique Features .....	2-8
<b>3</b>	<b>Xerox DocuTech® 61xx .....</b>	<b>3-1</b>
	Performance Specifications .....	3-1
	Performance Specifications (DT61xx with X SIS Kit) .....	3-1
	Limitations .....	3-2
	System Dependencies and Prerequisites .....	3-2
	Configuration Guide .....	3-2
	System Configurations .....	3-2
	Productivity Guide .....	3-2
<b>4</b>	<b>Xerox DocuTech® 1xx HighLight Color (HLC) .....</b>	<b>4-1</b>
	Performance Specifications .....	4-1
	Limitations .....	4-2
	System Dependencies and Prerequisites .....	4-2
	Configuration Guide .....	4-3
	System Configuration - High Capacity Stacking .....	4-3
	System Configuration - Stitching/Binding .....	4-3
	Off-line Configuration .....	4-3
	Productivity Guide .....	4-4

<b>5</b>	<b>Xerox DocuPrint® 1xx.....</b>	<b>5-1</b>
	Performance Specifications.....	5-1
	Performance Specifications (DP180 with X SIS Kit).....	5-2
	Limitations.....	5-2
	System Dependencies and Prerequisites.....	5-3
	Configuration Guide.....	5-3
	System Configuration.....	5-3
	Productivity Guide.....	5-3
<b>6</b>	<b>Xerox Nuvera® 100/200/144/157 EA Production System, 200/288/314 EA Perfecting Production System, and Nuvera MICR .....</b>	<b>6-1</b>
	Performance Specifications.....	6-1
	Limitations.....	6-2
	System Dependencies and Prerequisites.....	6-2
	Configuration Guide.....	6-3
	System Configurations.....	6-3
	Productivity Guide.....	6-4
<b>7</b>	<b>Customer Agreement.....</b>	<b>7-1</b>
	Devices.....	7-1
	Primary Customer Applications.....	7-1
	Special Considerations/Limitations.....	7-1

# Introduction

This Solutions Planning Guide contains information on how to prepare for the installation of the C.P. Bourg Document Finisher (BDFNx) together with:

- Xerox DocuTech® 61xx
- Xerox DocuTech® 1xx HighLight Color (HLC)
- Xerox DocuPrint® 1xx
- Xerox Nuvera 100/120/144/157 EA Production System and 200/288/314 EA Perfecting Production System

This guide also contains information on the optional C.P. Bourg Cover Feeder (BCFx), SquareEdge Module (SQEDG), and C.P. Bourg Sheet Rotator (BSR).

## About this Guide

This guide will provide the Analyst and the coordinating Customer with common BDFNx specifications and pre-installation tasks for the Xerox printer installed with the BDFNx.

## Contents

This section lists the contents of this guide:

- Introduction - provides information about the use of this guide.
- Product Overview - provides Installation Planning, including Space requirements, Floor Load and Level, Electrical and Environmental requirements, Installation Time, and Operating Supplies.
- Xerox DocuTech (DT 61xx) - provides information about Limitations, System Dependencies, Configuration Guide, and Unique Features Set.
- Xerox DocuTech (DT 1xx HighLight Color (HLC) - provides information about Limitations, System Dependencies, Configuration Guide, and Unique Features Set.
- Xerox DocuPrint (DP 1xx) - provides information about Limitations, System Dependencies, Configuration Guide, and Unique Features Set.
- Xerox Nuvera 100/120/144/157 EA Production System and 200/288/314 EA Perfecting Production System - provides information about Limitations, System Dependencies, Configuration Guide, and Unique Features Set.
- Customer Agreement - contains the Customer Agreement form.

## Professional Support Services

Xerox offers a rich set of value-added services designed to help you plan, implement, and operate your solution, migrate and build your key applications, and analyze and redesign your workflow. Your local sales representative and analyst can show you how these billable services can make your business more effective.

# Product Overview

# 2



The C.P. Bourg BDFNx is a fully-automated signature booklet maker, which produces high quality saddle stitched booklets inline. The optional cover insertion module (BCFx) can feed preprinted cover stock up to 300 gsm excluding window cutouts.

The new Square Edge (SQEDG) Module option further expands its capability by offering an optional square edge spine.

The BDFNx can top or corner stitch from 2 to 50 sheets and it can also be used in the fold only mode.

The Bourg Sheet Rotator (BSR) (not shown) enables maximum small Booklet productivity on Xerox printers that are not equipped with an internal rotator.

# Install Planning

This Solutions Planning Guide will help you prepare for the installation of the C.P. Bourg Document Finisher (BDFNx) together with:

- Xerox DocuTech® 61xx
- Xerox DocuTech® 1xx HighLight Color (HLC)
- Xerox DocuPrint® 61xx
- Xerox Nuvera 100/120/144/157 EA Production System and 200/288/314 EA Perfecting Production System

## Device Configurations

The Bourg Document Finisher components are:

- BDFNx with Conveyor and 2 Cassette Stitch Heads
- Bourg Cover Feeder X (BCFx), optional
- Square Edge Module (SQEDG), optional
- Bourg Sheet Rotator (BSR), optional on DocuPrint 1xx and DocuTech 1xx (HLC)
- Hohner or Cassette Stitch Heads (2 –4 heads total), optional
- Height Adjustment Kit
- Jacks Kit, optional (connects the BDFNx to an edge-registered printer)

### NOTE

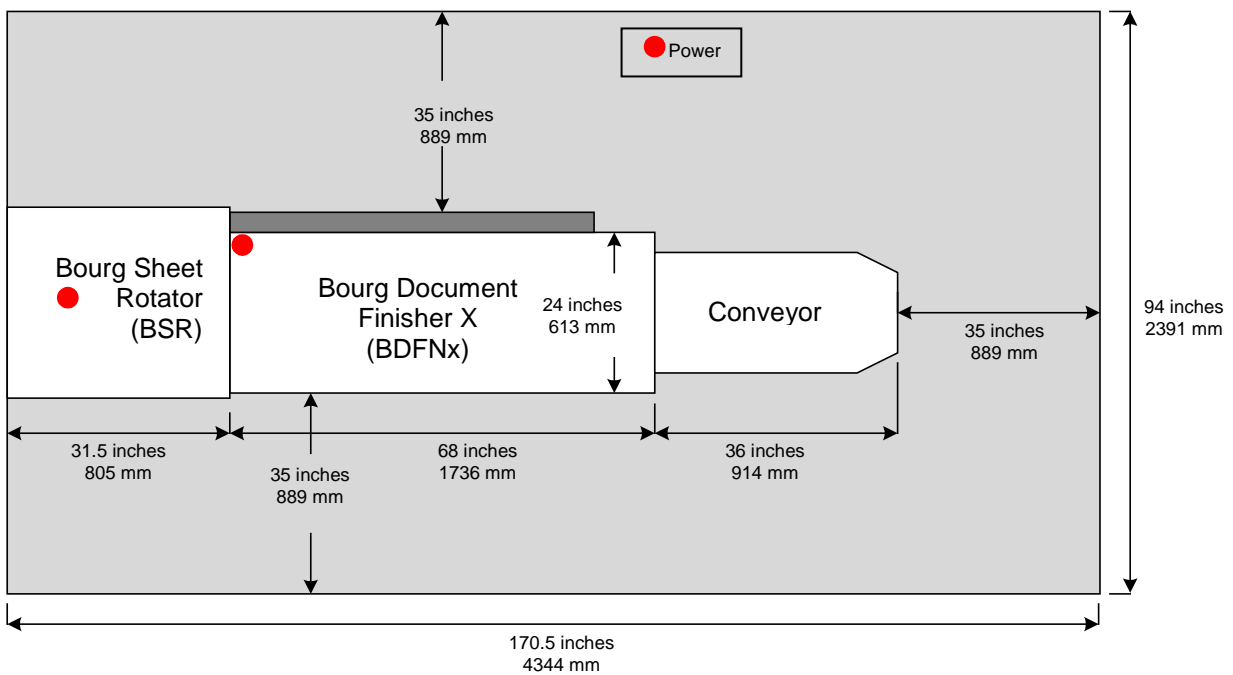
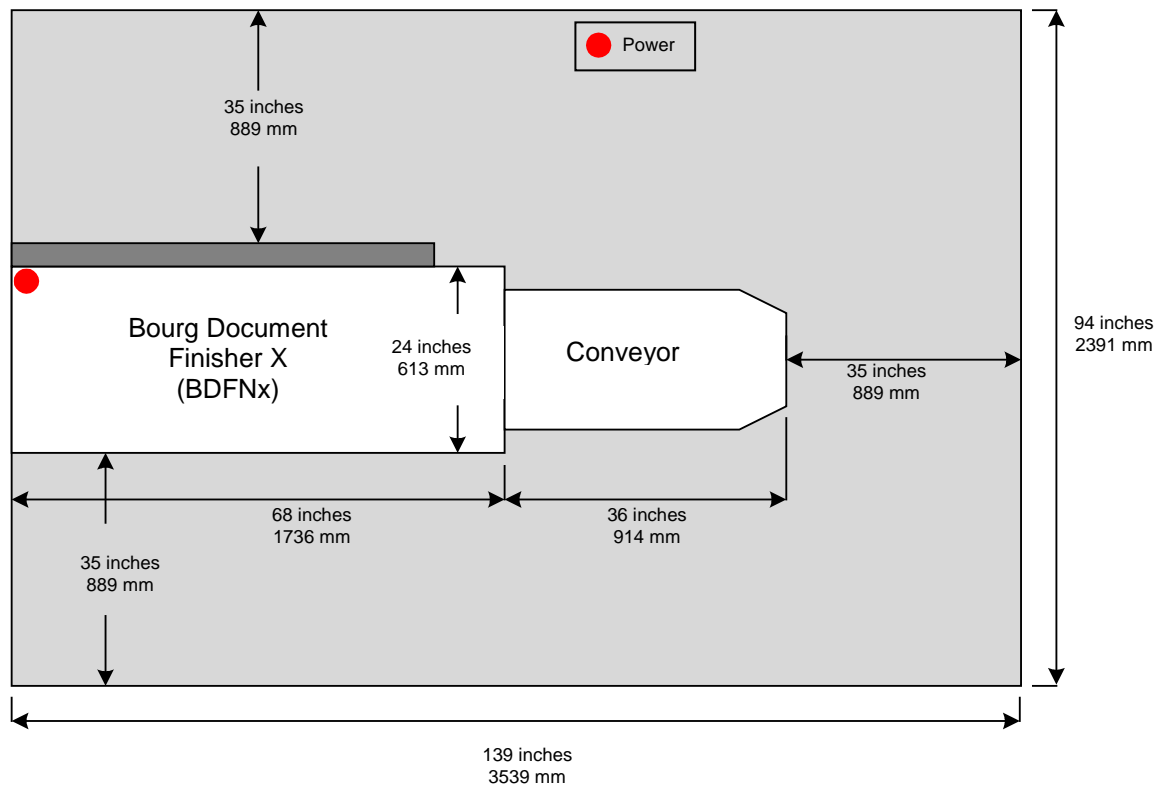
The BDFNx is delivered with 2 stitch heads. A third and/or forth stitch head must be ordered and installed with the machine. Stitch heads cannot be added as an upgrade in the field.

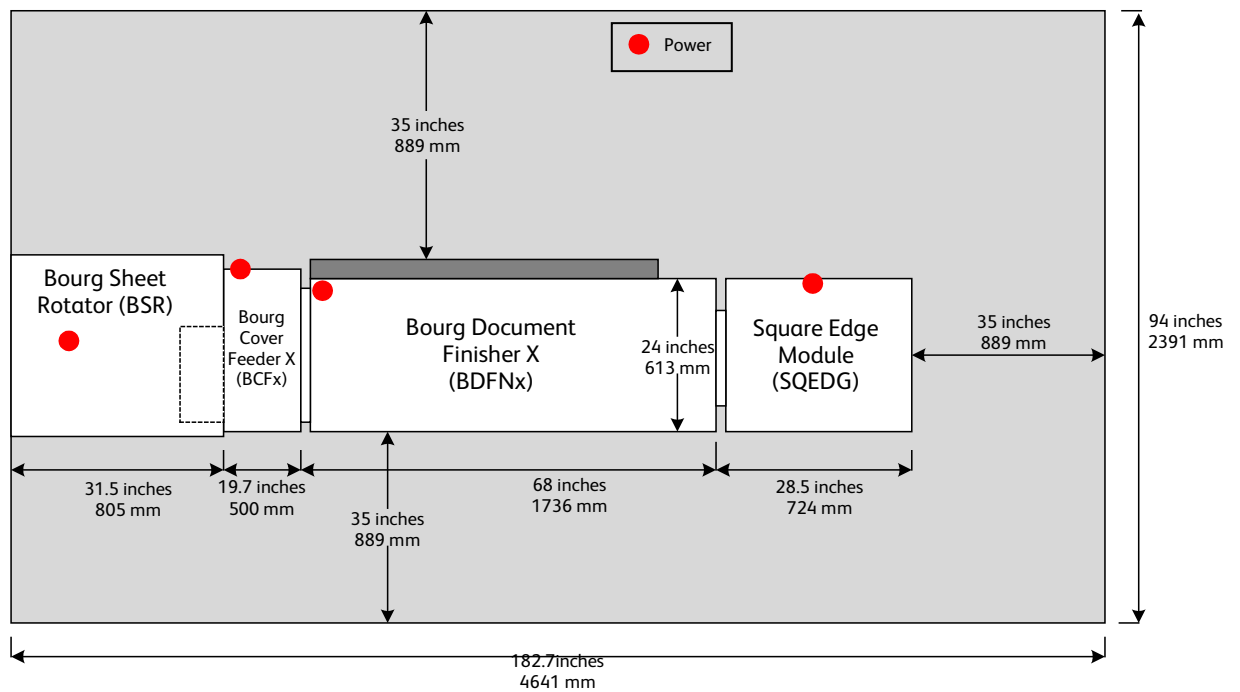
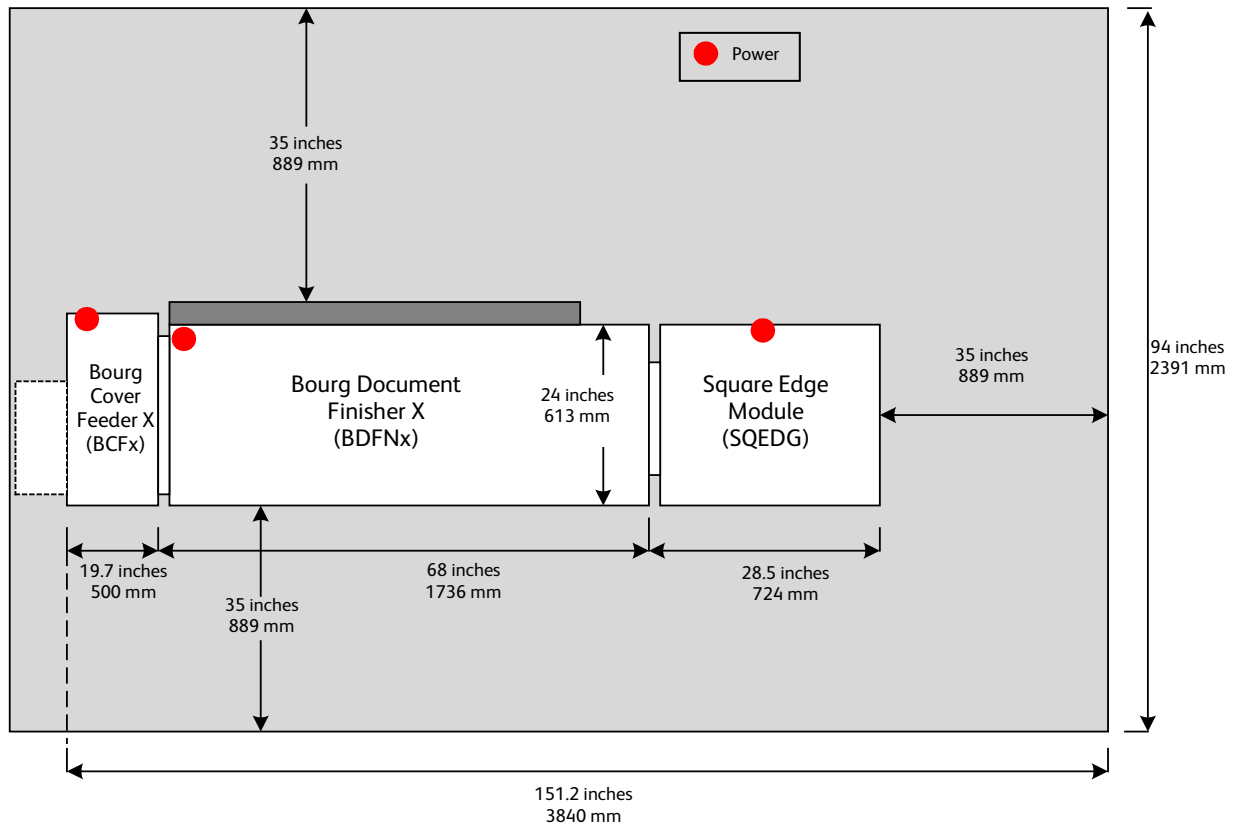
## Space Requirements

The space requirements illustration provides the machine footprint as well as the overall operating and maintenance area.

In addition to the diagram below, there should be a minimum of 82 inches (2.083 mm) clearance from the floor to the nearest overhead obstruction.





**NOTE**

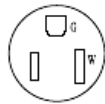
The space requirements diagrams for the BDFNx and the optional devices are representations only and not drawn to scale.

Dimensions	Bourg Document Finisher	Square Edge Module (Optional)	Bourg Cover Feeder (Optional)
<b>Width x Depth x Height</b>	104.3" * x 24" x 71" 2650 x 739 x 1803 mm * - Including Conveyor	40.1" x 28.5" x 49" 1020 x 724 x 1242 mm	26.75" * x 27" x 52" 680 x 687 x 1242 mm * - 19.7" (500 mm) actual floor space
<b>Shipping Dimensions Width x Depth x Height</b>	77" x 30" x 73" 1950 x 750 x 1850 mm	47.2" x 35.8" x 63" 1200 x 910 x 1600 mm	51" x 31.5" x 59" 1300 x 800 x 1500 mm
<b>Weight</b>	992 lbs (370 kg)	291 lbs (109 kg)	264 lbs (98 kg)
<b>Shipping Weight</b>	1235 lbs (461 kg)	420 lbs (156 kg)	291 lbs (109 kg)
<b>Operator Clearance</b>	Minimum 24" (609.6 mm) in front of the device	Minimum 24" (609.6 mm) in front of the device	Minimum 24" (609.6 mm) in front of the device
<b>Service Clearance</b>	Minimum 35" (838.2 mm) on all sides of the device	Minimum 35" (838.2 mm) on all sides of the device	Minimum 35" (838.2 mm) on all sides of the device

Dimensions	Bourg Sheet Rotator (Optional)
<b>Width x Depth x Height</b>	31.5" x 28.5" x 38.5" 805 x 720 x 980 mm
<b>Shipping Dimensions Width x Depth x Height</b>	34.6" x 32.7" x 49.2" (880 x 830 x 1250 mm)
<b>Weight</b>	298 lbs (111 kg)
<b>Shipping Weight</b>	353 lbs (132 kg)
<b>Operator Clearance</b>	Minimum 24" (609.6mm) in front of the device
<b>Service Clearance</b>	Minimum 30" (763 mm) on all sides of the device

## Electrical Requirements

Nema #5-15R (North America)



Device Power	North America	Europe
<b>BDFNx</b>	120 VAC (+/- 10 %), 60 Hz, 10A	230 VAC (+/- 10 %), 50 Hz, 7A
<b>BCFx</b>	120 VAC (+/- 10 %), 60 Hz, 5A	230 VAC (+/- 10 %), 50 Hz, 3A
<b>SQEDG</b>	120 VAC (+/- 10 %), 60 Hz, 5A	230 VAC (+/- 10 %), 50 Hz, 3A
<b>BSR</b>	110 VAC (+/- 10 %), 60 Hz, 3A	220 VAC (+/- 10 %), 50 Hz, 2A

### NOTE

For power cord locations on each device please refer to the space diagrams in the [Space Requirements](#) section.

## Environmental Requirements

Environment	BDFNx/BCFx/SQEDG		BSR
<b>Temperature</b>	41 - 85°F (5 - 29°C)		
<b>Humidity</b>	50 - 85 %		
<b>Heat Emission</b>	<b>BDFNx</b>	2560 btu/hr	1,535 btu/hr
	<b>BCFx</b>	1590 btu/hr	
	<b>SQEDG</b>	2400 btu/hr	
<b>Sound Emission</b>	72 db		55 db
<b>Altitude</b>	-100 ft. (-31 m) to 4,000 ft. (1,219 m)		

## Install and Customer Training

C.P. Bourg installs the BDFNx (including BCFx and SQEDG as required) and the estimated installation time is 4 – 8 hours.

Installation and customer training requires approximately 2 days total.

## Operating Supplies

Each Bourg Document Finisher (BDFNx) is delivered with 2 stitch heads. The machine can be equipped with 1 or 2 additional stitch heads (any additional stitch heads must be ordered when the machine is ordered as this is not an upgrade that can be done in the field).

Supply No.	Description	Quantity/Unit
9158017	Wire Cassette (Acme Stitch Heads)	50,000 stitches/cassette (2 cassettes/box)
9158018	Wire Spool (Hohner Stitch Heads)	50,000 stitches/spool

There are no operating supplies for the Bourg Sheet Rotator (BSR).

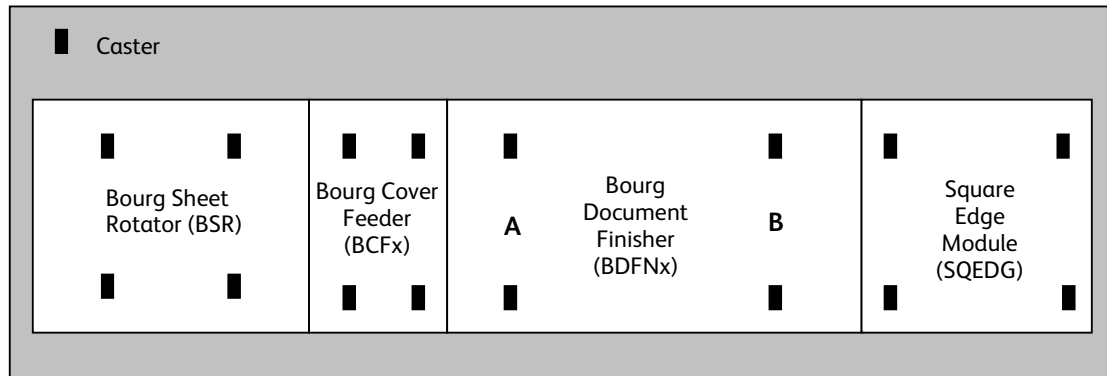
You can reach C.P. Bourg Customer Service using the following phone number:

- United States and Canada: 1-508-998-2171
- For Europe, please visit the C.P. Bourg web site and select your region:

<http://www.cpbourg.com>

## Floor Load

Device	Uniform Load	Point Load
<b>BDFNx</b>	68 lbs/sq.ft. (326 kg/sq. m)	Casters A: 4,840 lbs/sq.in. (340 kg/sq.cm) Casters B: 3,957 lbs/sq.in. (279 kg/sq.cm)
<b>BCFx</b>	30 lbs/sq.ft. (148 kg/sq. m)	Casters: 1,053 lbs/sq.in. (75 kg/sq.cm)
<b>SQEDG</b>	44 lbs/sq.ft. (212 kg/sq. m)	Casters: 2,680 lbs/sq.in. (190 kg/sq.cm)
<b>BSR</b>	48 lbs/sq.ft. (233 kg/sq. m)	Casters: 1,585 lbs/sq.in. (112 kg/sq.cm)



## Floor Level

The floor must be level to within one degree.

### NOTE

The floor level is based on a printer paper exit height above the floor of 34" (860 mm) for DT1xx, and 40.2" (1021 mm) for DT61xx and Nuvera.

## Unique Features

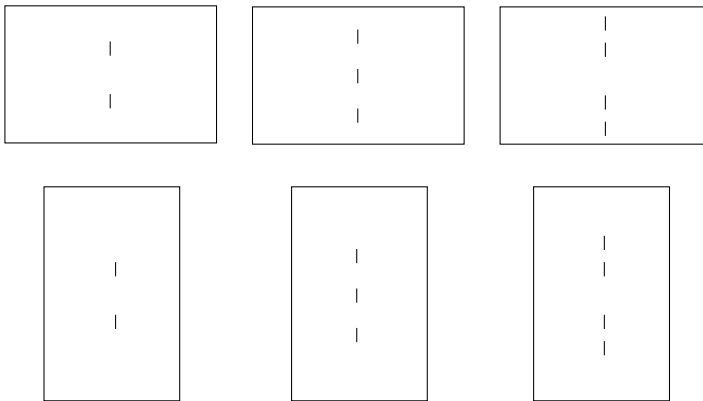
Listed below are diagrams of the various stitch positions that the BDFNx can produce.

### NOTE

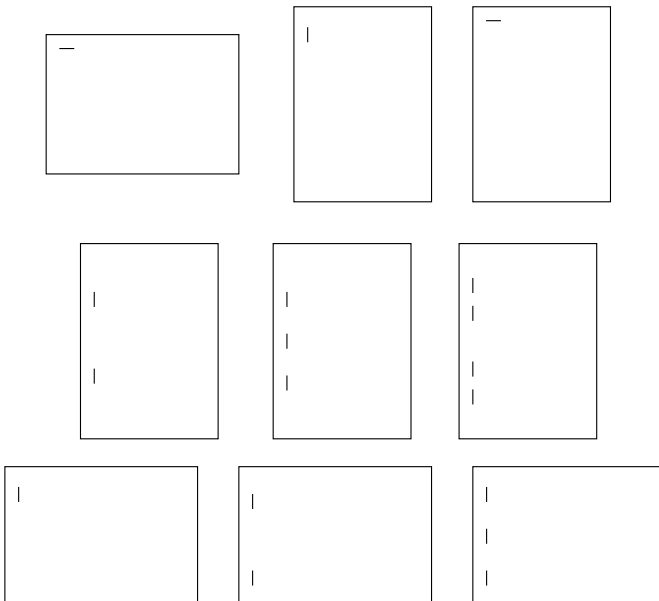
The BDFNx is delivered with 2 stitch heads. A third and fourth stitch head must be ordered and installed with the machine to enable the 3 and 4 stitch options shown in the diagrams below.

For high volume machines, Hohner (Spool) Stitch Heads are recommended.

### Saddle Stitch



### Edge/Top/Corner Stitch



# Xerox DocuTech® 61xx 3

## Performance Specifications

Listed below are the Performance Specifications for the C.P. Bourg Document Finisher, Cover Feeder, and SquareEdge Module.

Stapling/Folding	Specifications
<b>Paper Type/Weight</b>	BDFNx/SQEDG: Uncoated Stock, 16 lbs Bond – 110 lbs Index (60 - 200 gsm) BCFx: Uncoated Cover Stock, 20 lbs Bond – 10 pt cover stock (80 – 300 gsm*) * - for all cover stocks, excluding window cutouts
<b>Paper Size</b>	BDFNx: 8 x 10" – 14 x 17" (203 x 254 mm – 364 x 432 mm) BDFNx w/BCFx in bypass mode: 8 x 10" – 12.25 x 17" (203 x 254 mm – 310 x 432 mm) BDFNx w/BCFx feeding covers: 8 x 10" – 11.75 x 17" (203 x 254 mm – 298 x 432 mm)
<b>Booklet Sizes</b>	BDFNx: 8 x 5" – 14 x 8.5" (203 x 127 mm – 364 x 216 mm) BDFNx w/BCFx in bypass mode: 8 x 5" – 12.25 x 8.5" (203 x 127 mm – 310 x 216 mm) BDFNx w/BCFx feeding covers: 8 x 5" – 11.75 x 8.5" (203 x 127 mm – 298 x 216 mm)
<b>Edge Stapling</b>	BDFNx: 8 x 10" – 11.7 x 14" (203 x 254 mm – 298 x 356 mm) BDFNx w/BCFx: 8 x 10" - 11.7 x 12.25" (203 x 254 mm – 298 x 310 mm)
<b>Face Trim</b>	0 – 0.75" (0 – 19 mm)
<b>Stitch Head</b>	Two - four stitch heads (Hohner or Acme)
<b>Sheet Capacity (Stitching)</b>	Edge/Top/Corner Stitching: 2 – 50 sheets Saddle Stitching: 2 – 22 sheets (20 lb Bond/80 gsm)
<b>Input Height</b>	34" (860 mm) and 40.2" (1021 mm)

## Performance Specifications (DT61xx with XSIS Kit)

Stapling/Folding	Specifications
<b>Paper Size</b>	BDFNx: 7 x 10" – 14 x 19.2" (178 x 254 mm – 364 x 488 mm) BDFNx w/BCFx in bypass mode: 8 x 10" – 12.25 x 17" (203 x 254 mm – 364 x 432 mm) BDFNx w/BCFx feeding covers: 8 x 10" – 11.75 x 17" (203 x 254 mm – 298 x 432 mm)
<b>Booklet Sizes</b>	BDFNx: 8 x 5" – 14 x 8.5" (203 x 127 mm – 364 x 216 mm) BDFNx w/BCFx in bypass mode: 8 x 5" – 12.25 x 8.5" (203 x 127 mm – 364 x 216 mm) BDFNx w/BCFx feeding covers: 8 x 5" – 11.75 x 8.5" (203 x 127 mm – 298 x 216 mm)
<b>Edge Stapling</b>	BDFNx: 8 x 10" – 11.7 x 14" (203 x 254 mm – 298 x 356 mm) BDFNx w/BCFx: 8 x 10" - 11.7 x 12.25" (203 x 254 mm – 298 x 310 mm)
<b>Face Trim</b>	0 – 0.75" (0 – 19 mm)

## Limitations

- The BDFNx can only be guaranteed to work to its maximum book thickness when feeding (8.5 x 11/A4) paper if the paper weight is 90 gsm or less. (Long grain paper with a weight above 90 gsm should be tested with the customer paper and application before selling the BDFNx.)
- Use of short grain paper is highly recommended for 11 x 17"/A3 sized paper.
- If the BCFx runs out of covers during a job, several booklets can be produced without a cover. The finisher detects these as finished booklets, so automatic job recovery isn't performed.

## System Dependencies and Prerequisites

Listed below are the dependencies and prerequisites for installing the BDFNx, BCFx, and SQEDG.

- The DT61xx must be equipped with a Bypass Transport to enable inline finishing.

## Configuration Guide

The Configuration Guide contains diagrams of the various Finishing Solutions currently supported.

### System Configurations

Printer	Interposer	Bypass Transport	BCFx*	BDFNx	SQEDG*
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BSFEx	BDFNx
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\*Optional

## Productivity Guide

The calculated productivity for the BDFNx is based on a DocuTech 6115 running a duplex job.

Set Size/8.5 x 11" (A4)	2 sheets
Booklets/Hour	1100

The calculated productivity for the BDFNx is based on a DocuTech 6180 running a duplex job.

Set Size/8.5 x 11" (A4)	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
Booklets/Hour	2700	2195	1538	1385	1037	523	338	239
Set Size/11 x 17" (A3)	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
Booklets/Hour	1540	1179	675	588	451	237	153	108



# Xerox DocuTech® 1xx HighLight Color (HLC)

# 4

The BDFNx is available for the DocuTech 128/155/180 HLC High Capacity Stacking configuration and for the DocuTech 128/155/180 HLC Stitching/Binding configuration.

## Performance Specifications

Listed below are the Performance Specifications for the C.P. Bourg Document Finisher, Cover Feeder, SquareEdge Module, and Sheet Rotator.

Stapling/Folding	Specifications
<b>Paper Type/ Weight</b>	BDFNx/SQEDG: Uncoated Stock, 16 lbs Bond – 110 lbs Index (60 - 200 gsm) BCFx: Uncoated Cover Stock, 20 lbs Bond – 10 pt cover stock (80 – 300 gsm*) * - for all cover stocks, excluding window cutouts
<b>Paper Size</b>	BDFNx: 8 x 10" – 14 x 17" (203 x 254 mm – 364 x 432 mm) BDFNx w/BCFx in bypass mode: 8 x 10" – 12.25 x 17" (203 x 254 mm – 310 x 432 mm) BDFNx w/BCFx feeding covers: 8 x 10" – 11.75 x 17" (203 x 254 mm – 298 x 432 mm) BDFNx w/BSR in bypass mode: 8.5 x 11" - 14 x 17" (216 x 279 mm - 356 x 431 mm) BDFNx w/BSR in rotate mode: 8.5 x 11" - 9 x 14" (216 x 279 mm - 229 x 356 mm)
<b>Booklet Sizes</b>	BDFNx: 8 x 5" – 14 x 8.5" (203 x 127 mm – 364 x 216 mm) BDFNx w/BCFx in bypass mode: 8 x 5" – 12.25 x 8.5" (203 x 127 mm – 310 x 216 mm) BDFNx w/BCFx feeding covers: 8 x 5" – 11.75 x 8.5" (203 x 127 mm – 298 x 216 mm) BDFNx w/BSR in bypass mode: 8.5 x 5.5" - 14 x 8.5" (216 x 140 mm - 356 x 216 mm) BDFNx w/BSR in rotate mode: 8.5 x 5.5" - 9 x 7" (216 x 140 mm - 229 x 178 mm)
<b>Edge Stapling</b>	BDFNx: 8 x 10" – 11.7 x 14" (203 x 254 mm – 298 x 356 mm) BDFNx w/BCFx: 8 x 10" - 11.7 x 12.25" (203 x 254 mm – 298 x 310 mm)
<b>Face Trim</b>	0 – 0.75" (0 – 19 mm)
<b>Stitch Head</b>	Two - four stitch heads (Hohner or Acme)
<b>Sheet Capacity (Stitching)</b>	Edge/Top/Corner Stitching: 2 – 50 sheets Saddle Stitching: 2 – 22 sheets (20 lb Bond/80 gsm)
<b>Input Height</b>	34" (860 mm) and 40.2" (1021 mm)

Rotating/Bypass	Specifications/Limitations
<b>Paper Size (Rotating)</b>	Maximum: 9" x 14" LEF (228 x 356 mm) Minimum: 8" x 10" LEF (203 x 254 mm)
<b>Paper Size (Pass through)</b>	Maximum: 14" x 18.5" SEF (356 x 470 mm) Minimum: 8" x 10" SEF (203 x 254 mm)
<b>Paper Weight</b>	16 lbs – 110 lbs (60 - 200 gsm)
<b>Input Height</b>	34" (860 mm)
<b>Output Height</b>	34" (860 mm)

## Limitations

### High Capacity Stacking configuration:

- Requires a minimum of 2 skipped pitches (3 skipped pitches with BCFx), which results in lower productivity with smaller booklets. (A3/ 11 x 17 requires only one skipped pitch with or without the BCFx.)
- The BDFNx can only be guaranteed to work to its maximum book thickness when feeding (8.5 x 11/A4) paper if the paper weight is 90 gsm or less. (Long grain paper with a weight above 90 gsm should be tested with the customer paper and application before selling the BDFNx.)
- Use of short grain paper is highly recommended for 11 x 17"/A3 sized paper.
- If the BCFx runs out of covers during a job, several booklets can be produced without a cover. The finisher detects these as finished booklets, so automatic job recovery isn't performed.

### Stitching/Binding configuration:

- The BDFNx can only be guaranteed to work to its maximum book thickness when feeding (8.5 x 11/A4) paper if the paper weight is 90 gsm or less. (Long grain paper with a weight above 90 gsm should be tested with the customer paper and application before selling the BDFNx.)
- Use of short grain paper is highly recommended for 11 x 17"/A3 sized paper.

## System Dependencies and Prerequisites

### High Capacity Stacking Configuration:

- The printer must be equipped with a Bypass Transport to enable inline finishing.
- The printer must be equipped with a Bourg Sheet Rotator (BSR) to maximize output.
- Due to the height of the bypass transport, it is not possible to attach the BCFx without the BSR.

### Stitching/Binding Configuration:

- Requires a skipped pitch between sets, as a result productivity is lowered with smaller booklets.

# Configuration Guide

The Configuration Guide contains diagrams of the various Finishing Solutions currently supported.



## System Configuration - High Capacity Stacking

<b>DocuTech (HLC)</b>	<b>BSR*</b>	<b>BCFx*</b>	<b>BDFNx</b>	<b>SQEDG*</b>
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\* Optional



## System Configuration - Stitching/Binding

<b>DocuTech (HLC)</b>	<b>Bypass Transport</b>	<b>BDFNx</b>	<b>SQEDG*</b>
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\* Optional

## Off-line Configuration

<b>BSFEx</b>	<b>BDFNx</b>
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## Productivity Guide

The calculated productivity for the BDFNx is based on the host machine running a duplex job.

All booklet makers need time to move one set out of the way before the first sheet of the next set arrives in the booklet maker. This requires a delay between each booklet. Productivity for a small number of pages is affected the most. Refer to the charts below to estimate booklet productivity.

### DocuTech (HLC) High Capacity Stacking Configuration

Set Size/8.5 x 11" (A4) without BCFx	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	1800	1384	1090	900	782	450	320	231
Set Size/8.5 x 11" (A4) with BCFx	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	1384	1090	900	782	681	420	303	218

### DocuTech (HLC) Stitching/Binding Configuration

Set Size/8.5 x 11" (A4) without BCFx		1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	<b>128</b>	1965	1309	872	786	714	357	238	171
	<b>155</b>	3176	2160	1350	1038	782	450	305	210
	<b>180</b>	3666	2199	1588	1375	1052	514	354	239
Set Size/11 x 17" (A3) without BCFx		1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	<b>128</b>	1572	785	673	589	428	214	152	102
	<b>155</b>	1885	1173	675	593	450	236	152	107
	<b>180</b>	1885	1178	675	593	450	236	152	108

## Performance Specifications

Listed below are the Performance Specifications for the C.P. Bourg Document Finisher, CoverFeeder, SquareEdge Module, and Sheet Rotator.

Stapling/Folding	Specifications
<b>Paper Type/ Weight</b>	BDFNx/SQEDG: Uncoated Stock, 16 lbs Bond – 110 lbs Index (60 - 200 gsm) BCFx: Uncoated Cover Stock, 20 lbs Bond – 10 pt cover stock (80 – 300 gsm*) * - for all cover stocks, excluding window cutouts
<b>Paper Size</b>	BDFNx: 8 x 10" – 14 x 17" (203 x 254 mm – 364 x 432 mm) BDFNx w/BCFx in bypass mode: 8 x 10" – 12.25 x 17" (203 x 254 mm – 310 x 432 mm) BDFNx w/BCFx feeding covers: 8 x 10" – 11.75 x 17" (203 x 254 mm – 298 x 432 mm) BDFNx w/BSR in bypass mode: 8.5 x 11" - 14 x 17" (216 x 279 mm - 356 x 431 mm) BDFNx w/BSR in rotate mode: 8.5 x 11" - 9 x 14" (216 x 279 mm - 229 x 356 mm)
<b>Booklet Sizes</b>	BDFNx: 8 x 5" – 14 x 8.5" (203 x 127 mm – 364 x 216 mm) BDFNx w/BCFx in bypass mode: 8 x 5" – 12.25 x 8.5" (203 x 127 mm – 310 x 216 mm) BDFNx w/BCFx feeding covers: 8 x 5" – 11.75 x 8.5" (203 x 127 mm – 298 x 216 mm) BDFNx w/BSR in bypass mode: 8.5 x 5.5" - 14 x 8.5" (216 x 140 mm - 356 x 216 mm) BDFNx w/BSR in rotate mode: 8.5 x 5.5" - 9 x 7" (216 x 140 mm - 229 x 178 mm)
<b>Edge Stapling</b>	BDFNx: 8 x 10" – 11.7 x 14" (203 x 254 mm – 298 x 356 mm) BDFNx w/BCFx: 8 x 10" - 11.7 x 12.25" (203 x 254 mm – 298 x 310 mm)
<b>Face Trim</b>	0 – 0.75" (0 – 19 mm)
<b>Stitch Head</b>	Two - four stitch heads (Hohner or Acme)
<b>Sheet Capacity (Stitching)</b>	Edge/Top/Corner Stitching: 2 – 50 sheets Saddle Stitching: 2 – 22 sheets (20 lb Bond/80 gsm)
<b>Input Height</b>	34" (860 mm) and 40.2" (1021 mm)

## Performance Specifications (DP180 with X SIS Kit)

Stapling/Folding		Specifications
<b>Paper Size</b>		BDFNx: 7 x 10" – 14 x 18.5" (178 x 254 mm – 356 x 470 mm) BDFNx w/BCFx in bypass mode: 8 x 10" – 12.25 x 18.5" (203 x 254 mm – 310 x 470 mm) BDFNx w/BCFx feeding covers: 8 x 10" – 11.75 x 17" (203 x 254 mm – 298 x 432 mm) BDFNx w/BSR in bypass mode: 8 x 10" - 14 x 18.5" (203 x 254 mm - 356 x 470 mm) BDFNx w/BSR in rotate mode: 8 x 10" - 9 x 14" (203 x 254 mm - 229 x 356 mm)
<b>Booklet Sizes</b>		BDFNx: 7 x 5" – 14 x 9.25" (178 x 127 mm – 356 x 235 mm) BDFNx w/BCFx in bypass mode: 8 x 5" – 12.25 x 9.25" (203 x 127 mm – 310 x 235 mm) BDFNx w/BCFx feeding covers: 8 x 5" – 11.75 x 8.5" (203 x 127 mm – 298 x 216 mm) BDFNx w/BSR in bypass mode: 8 x 5" - 14 x 9.25" (203 x 127 mm - 356 x 235 mm) BDFNx w/BSR in rotate mode: 8 x 5" - 9 x 7" (203 x 127 mm - 229 x 178 mm)
<b>Edge Stapling</b>		BDFNx: 8 x 10 – 11.7 x 14 (203 x 254 mm – 298 x 356 mm) BDFNx w/BCFx: 8 x 10 - 11.7 x 12.25 (203 x 254 mm – 298 x 310 mm)
<b>Face Trim</b>		0 – 0.75" (0 – 19 mm)

Rotating/Bypass		Specifications/Limitations
<b>Paper Size (Rotating)</b>		Maximum: 9" x 14" LEF (228 x 356 mm) Minimum: 8" x 10" LEF (203 x 254 mm)
<b>Paper Size (Pass through)</b>		Maximum: 14" x 18.5" SEF (356 x 470 mm) Minimum: 8" x 10" SEF (203 x 254 mm)
<b>Paper Weight</b>		16 lbs – 110 lbs (60 - 200 gsm)
<b>Input Height</b>		34" (860 mm)
<b>Output Height</b>		34" (860 mm)

## Limitations

- Requires a minimum of 2 skipped pitches (3 skipped pitches with BCFx), which results in low productivity with small booklets. (A3/ 11 x 17 requires only one skipped pitch with or without the BCFx.)
- The BDFNx can only be guaranteed to work to its maximum book thickness when feeding (8.5 x 11/A4) paper if the paper weight is 90 gsm or less. (Long grain paper with a weight above 90 gsm should be tested with the customer paper and application before selling the BDFNx.)
- Use of short grain paper is highly recommended for 11 x 17"/A3 sized paper.
- If the BCFx runs out of covers during a job several booklets can be produced without a cover. The finisher detects these as finished booklets, so automatic job recovery isn't performed.

## System Dependencies and Prerequisites

Listed below are the dependencies and prerequisites for installing the BDFNx, BCFx and SQEDG module.

- The printer must be equipped with a Bypass Transport to enable inline finishing.
- DocuSP 5.0 software or higher must be installed for Set Recovery.
- The printer must be equipped with a Bourg Sheet Rotator (BSR) to maximize output.
- Due to the height of the bypass transport on DocuPrint it is not possible to attach the BCFx without the BSR.

## Configuration Guide

The Configuration Guide contains diagrams of the various Finishing Solutions currently supported.

### System Configuration

Printer	Stacker	Stacker*	Bypass Transport	BSR*	BCFx*	BDFNx	SQEDG*
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\* Optional

## Productivity Guide

The calculated productivity for the BDFNx is based on the host machine running a duplex job.

### NOTE

The information presented in this section is intended as a general guideline only. Different printer configurations may result in higher or lower output than the figures shown here.

Set Size/8.5 x 11" (A4) without BCFx	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	1800	1384	1090	900	782	450	320	231
Set Size/8.5 x 11" (A4) with BCFx	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	1384	1090	900	782	681	420	303	218

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# Xerox Nuvera<sup>®</sup> 100/200/144/157 EA Production System, 200/288/314 EA Perfecting Production System, and Nuvera MICR

## Performance Specifications

Listed below are the Performance Specifications for the C.P. Bourg Document Finisher, SquareEdge Module and Sheet Rotator.

Stapling/Folding	Specifications
<b>Paper Type/Weight</b>	BDFNx/SQEDG: Uncoated Stock, 16 lbs Bond – 110 lbs Index (60 - 200 gsm) Uncoated Cover Sheet: Uncoated 20lb - 10 pt cover (80 - 300gsm)
<b>Paper Size</b>	BDFNx/SQEDG: 5.5 x 8.5" – 12.6 x 18.5" (140 x 216 mm – 320 x 470 mm)
<b>Booklet Sizes</b>	BDFNx: 7.0 x 4.0" – 12.6 x 9.25" (178 x 102 mm – 320 x 235 mm)
<b>Edge Stapling</b>	BDFNx/SQEDG: 5.5 x 8.25" – 11.7 x 14" (140 x 210 mm – 297 x 356 mm)
<b>Face Trim</b>	0 – 0.75" (0 – 19 mm)
<b>Stitch Head</b>	Two - four stitch heads (Hohner or Acme)
<b>Sheet Capacity (Stitching)</b>	Edge/Top/Corner Stitching: 2 – 50 sheets Saddle Stitching: 2 – 22 sheets (20 lb Bond/80 gsm)
<b>Input Height</b>	34" (860 mm) and 40.2" (1021 mm)

## Limitations

- For 11" x 17"/A3 simplex single fold only documents, paper weights greater than 20 lb (80 gsm) are recommended.
- For 8.5" x 11"/A4 simplex single fold only documents, the N-1 face up orientation is required.
- Refer to the Nuvera CED for the recommended media list.
- The BDFNx can only be guaranteed to work to its maximum book thickness when feeding (8.5 x 11/A4) paper if the paperweight is 90 gsm or less. (Long grain paper with a weight above 90 gsm should be tested with the customer paper and application before selling the BDFNx.)
- Use of short grain paper is highly recommended for 11 x 17"/A3 sized paper.
- The Xerox® IntegratedPLUS Finishing Solution for Booklets is not available with this product.
- The Bourg Bleed Crease Module (BCMx/BCMEx) is not available with this product.

## System Dependencies and Prerequisites

- A Finisher Transport Module is required for inline connectivity to the printer.

### NOTE

In case the floor at the customer site is very uneven, it is recommended that the Nuvera printer be installed and leveled with a Caster Leveling Kit (kit number 498K13720).

# Configuration Guide

The Configuration Guide contains diagrams of the various Finishing Solutions currently supported.

## System Configurations

<b>Printer/ Duplex Printer</b>	<b>Insertor*</b>	<b>BFM Plus</b>	<b>DS3500</b>	<b>BDFNx</b>	<b>SQEDG*</b>
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<b>Printer</b>	<b>Insertor*</b>	<b>DS3500 or</b>	<b>XTB*</b>	<b>GBC eBinder 200*</b>	<b>BDFNx**</b>	<b>SQEDG*</b>
		<b>XPS or</b>				
		<b>BFMDC**</b>				

<b>100/120 /144 Printer</b>	<b>Insertor*</b>	<b>BFMDC</b>	<b>GBC FPII</b>	<b>BDFNx</b>
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This configuration requires Customized Applications Service (CAS) Kit NUV-20.

<b>Printer</b>	<b>Insertor*</b>	<b>DS3500 or</b>	<b>GBC FPII</b>	<b>BDFx* or</b>
		<b>XPS</b>		<b>BDFNx*</b>

<b>Printer</b>	<b>Insertor*</b>	<b>DS5000</b>	<b>GBC eBinder 200 with Lift*</b>	<b>BDFNx</b>	<b>SQEDG*</b>
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<b>BSFEx</b>	<b>BDFNx</b>
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\*Optional

\*\*The BDFNx cannot be connected directly to the BFMDC.

### NOTE

Freeflow Print Server is the only supported DFE for Nuvera 157/314 > BDFNx configurations.

### NOTE

Please reference the Xerox Nuvera 100/120/144 Customer Expectations Document (CED) for Basic Finishing Module (BFM) and (BFM Plus) specifications. Xerox Sales Representatives can access the CED at <http://www.thefic.xerox.com/dsweb/View/Collection-92487>.

## Productivity Guide

The calculated productivity for the BDFNx is based on the host machine running a duplex job.

### Nuvera 144 Digital Production System

Set Size/8.5 x 11" (A4)	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	1000	781	727	724	655	333	226	158
Set Size/11 x 17" (A3)	1 sheet	2 sheets	3 sheets	4 sheets	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	867	727	610	409	333	198	152	90

### Nuvera 288 Digital Perfecting System

Set Size/8.5 x 11" (A4)	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	1200	720	486	360
Set Size/11 x 17" (A3)	5 sheets	10 sheets	15 sheets	22 sheets
<b>Booklets/Hour</b>	790	395	272	189

# Customer Agreement

As a final step in the install planning you must complete the Customer Agreement form.

## Devices

Check off the modules that will be part of this install:

- C.P. Bourg Document Finisher \_\_\_\_\_
- C.P. Bourg Cover Feeder (Optional) \_\_\_\_\_
- C.P. Bourg Square Edge Module (Optional) \_\_\_\_\_
- Xerox DocuTech Bypass Transport \_\_\_\_\_
- Xerox DocuPrint Bypass Transport \_\_\_\_\_
- C.P. Bourg Sheet Rotator (Optional) \_\_\_\_\_

## Primary Customer Applications

Record the primary customer applications:

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## Special Considerations/Limitations

Record any special considerations and/or limitations identified by Xerox and agreed to by the customer:

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I have reviewed the solution expectations and understand the specifications and limitations for each of the modules that will be installed: (***Signature and Date***)

**Customer:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

For installations made in the US and Canada, a copy of the signed Customer Agreement must be attached to the XOA/Customer purchase order and faxed to SPA: 1-800-407-8430.

