Xerox® Proficio™ PX300 Press

Customer Expectation & Installation Guide

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Product Overview

Introduction

This document is intended to help you understand the performance and capabilities of the Xerox® Proficio™ PX300 Press, including information on optional accessories. Installation planning information is provided later in this document and contains specifications and guidelines for installing your press.

Specifications and data in this document include Xerox and customer proprietary information. The customer will use all reasonable efforts to safeguard the document, will not disclose its contents to third parties, and should only circulate it within the organization on a need-to-know basis.

System/Product Configuration

Base Configuration	
Base Engine	Press with three main trays and control panel with touch screen
Scanner	Duplex Automatic Document Feeder (Base)
Multi-sheet Inserter (MSI)	Tray is also referred to as Tray 5 / Bypass Provided with the PX300 (position of MSI is dependent on feeding option) Maximum 250 sheet capacity
Offset Catch Tray	Catch tray for up to 500 printed sheets (80gsm)
EX-Li Print Server	Integrated EX-Li Print Server

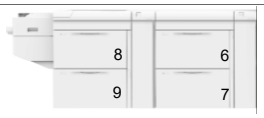
Options

Print Server Options	
Choice of one of two print services (controllers):	
Xerox® EX-Li PX300 Print Server, Powered by Fiery®	Integrated EX-Li Print Server hardware comes with Hot Folders/Virtual Printers
Xerox® EX PX300 Print Server, Powered by Fiery®	Stand-alone EX Print Server hardware comes with Hot Folders/Virtual Printers, Impose, JobExpert and Barcode Scanner for future enablement of Xerox® PredictPrint Media Manager

Fifth Color Station	
Proficio PX300 comes with an optional Fifth Color Station for print embellishment or gamut extension	
Available Fifth Color Solid Dry Inks (SDIs)	• Clear • Low Gloss Clear • Fluorescent Pink

Feeding Options		
High Capacity Feeder (letter/A4)		• Single tray friction feeder holding up to 2,000 letter/A4 sheets
1-Tray Oversized High Capacity Feeder		• Single High Capacity friction feeder holding up to 2,000 sheets up to 13 x 19.2 in / 330.2 x 488 mm

Feeding Options

Advanced High Capacity Feeder		• Two tray High Capacity friction feeder holding up to 2,000 sheets per tray(4,000 total) up to 13 x 19.2 in / 330 x 488 mm • An additional Dual Advanced High Capacity Feeder can be added to double tray capacity
2-Tray Oversized High Capacity Vacuum Feeder		• Two tray High Capacity vacuum feeder holding up to 2,000 sheets per tray up to 13” x 19.2” / 330 mm x 488 mm
High Capacity XLS Vacuum Feeder		• Two tray High Capacity vacuum feeder: ○ Tray 6 holds up to 700 XLS sheets up to 13" x 34” / 330 mm x 864 mm or 100 sheets up to 13” x 51.2” / 330 mm x 1.3 m ○ Tray 7 holds up to 2,100 sheets up to 13” x 19.2” / 330 mm x 488 mm
Dual High Capacity XLS Vacuum Feeder		• Four tray High Capacity vacuum feeder: ○ Tray 8 holds up to 700 XLS sheets up to 13" x 34” / 330 mm x 864 mm or 100 sheets up to 13" x 51.2” / 330 mm x 1.3 m ○ Trays 6,7, and 9 hold up to 2,100 sheets each up to 13” x 19.2” / 330 mm x 488 mm • The Dual High Capacity XLS Feeder configuration must be ordered as a configuration; a Single High Capacity XLS Feeder cannot be upgraded to a Dual.

Finishing Options

IMPORTANT: Refer to Configuration Dependencies for information on configuration requirements for the finishing devices.

Offset Catch Tray (OCT)		• Offset catch tray holding a maximum of 500 sheets
Business Ready Finisher 2.0		• The Business Ready (BR) Finisher 2.0 is a lighter duty option for finishing and stacking, capable of stapling up to 50 uncoated sheets or 15 coated sheets and stacking up to 3000 sheets.
Business Ready Booklet Finisher 2.0		• The Business Ready (BR) Booklet Finisher 2.0 adds saddle stitching capability to the standard BR Finisher functionality
Interface Decurler Modules		• The Interface Decurler Module is a paper path and communication module from the press to select finishing devices and is available in two configurations: ○ Standard Interface Decurler Module ○ Interface Decurler Module with ILS, containing an Inline X-Rite Spectrophotometer (ILS) to automate calibration and profiling at the DFE and enabling the ACQS configuration of the Proficio PX300 Press,
GBC® AdvancedPunch™ Plus		• The GBC® AdvancedPunch™ Plus is an inline die punch that uses modular die sets to create a variety of hole-punch patterns. • It also offers additional die sets for inline creasing and perforation.
Quality Control Module		• The Quality Control Module monitors color density and registration in real-time and automatically corrects without slowing production.
Static Dissipation Module		• The Static Dissipation Module is used to reduce static for improved stacking and finishing

Finishing Options

High Capacity Stacker (HCS)		• The HCS is designed for long production runs with a maximum 5,000 sheet capacity (based on 80 gsm media) and offsetting capability on the stack tray/cart • The movable stack tray/cart provides easy transition to off-line finishing • An additional stack tray/cart is available for the customer to order
Produciton Ready Finisher		• The Production Ready (PR) Finisher features include a stapler, stacker tray, and top tray and can staple up to 100 sheets and stack up to 3000 sheets. • Includes a built-in decurler to correct any curl on media from the print engine. • Optional Basic Punch for basic inline punch functionality
Production Ready Booklet Maker Finisher		• The Production Ready (PR) Booklet Maker Finisher features include a stapler, the stacker tray, top exit tray, and a booklet unit capable of saddle stapling and bi-fold. • Includes a built-in decurler to correct any curl on media from the print engine. • Optional Basic Punch for basic inline punch functionality
Production Ready Finisher Plus		• The Production Ready (PR) Finisher Plus includes the functionality of the Production Ready Finisher and adds an interface/transport module to enable connection to third party finishing solutions. • Optional Basic Punch for basic inline punch functionality
C/Z Folder		• This optional unit can perform C-Fold, Z-fold, and Z- Fold Half-Sheet (also called Engineering Z-Fold). • The C/Z Folder can be added to any of the Production Ready Finishers
Inserter		• The Inserter unit can be used to insert sheets into jobs to be finished without having to go through the print engine (e.g., pre-printed covers, etc.). • This unit can go in front of any Production Ready Finisher or High Capacity Stacker
Crease and Two-Sided Trimmer		• This device can perform a two-sided trim to the top and bottom of finished sets, as well as provide creasing • The Crease and Two-sided Trimmer can be in front of any Production Ready Finisher
SquareFold® Trimmer Module		• The SquareFold Trimmer Module flattens the spine of the booklet and trims the face of the booklet. • This device is available only with the Production Ready Booklet Maker Finisher (with or without the C/Z Folder).
Plockmatic® MPS XL (Multi-Purpose Stacker Extra Long)		• The Plockmatic® MPS XL Stacker stacks long banner sheets up to 1300 mm / 51.2”. • It requires the Production Ready Finisher Plus.

Other Options

Convenience Stapler	Staple up to 50 sheets of 90 gsm/24 lb media.
Network Accounting Kit	Enables reporting and user/device management in combination with optional accounting solutions.
USB Enablement Kit	Enables scan-to-USB functionality.
OCR Enablement Kit	Enables Optical Character Recognition allowing for text recognition in scanned documents & images
Envelope Feeder Kit	Maximizes capacity for envelopes on the OHCF and Advanced High Capacity Feeder

Configuration Dependencies

The following dependencies are required for all or certain configurations:

ACQS	Not compatible with Fiery Integrated DFE, BR 2.0 Finisher, and Offset Catch Tray Requires Interface Decurler Module with ILS and Fiery Color Profiler Suite
Interface Decurler Module	Required with any system configuration with a High Capacity Stacker (HCS), and / or Production Ready Finisher
GBC® AdvancedPunch™ Plus	Requires one of the Interface Decurler Module options plus a High Capacity Stacker (HCS) and / or any Production Ready Finisher

SquareFold Trimmer Module	Requires one of the Interface Decurler Module options and Production Ready Booklet Maker Finisher. The SquareFold Trimmer Module is not available with any other finishing device.
Two-sided Trimmer, Basic Punch, & Inserter	Requires one of the Interface Decurler Module options and any of the Production Ready Finisher
Production Ready Finisher Plus	Requires one of the Interface Decurler Module options and a Third-Party finishing device.
Business Ready Finisher 2.0 Business Ready Booklet Finisher 2.0	Must be ordered with V-Tra module Not compatible with any other finisher Does not require Interface Module
Quality Control Module	Requires one of the Interface Decurler Module options plus a High Capacity Stacker (HCS) and / or any Production Ready Finisher
Static Dissipation Module	Requires one of the Interface Decurler Module options plus a High Capacity Stacker (HCS) and / or any Production Ready Finisher

Detailed Specifications

Key Product Specifications

All references to media capacity are based on the Xerox® Centerline Paper. Centerline Paper identifies the stock at the middle of the range of stocks that will deliver optimum performance for a given characteristic. Other paper weights and brands may alter performance (for example, paper tray capacities).

Media Type	Xerox® Proficio PX300 Press Centerline Paper
Uncoated paper	North America – Xerox Bold™ Digital Printing Paper, 24 lb Bond, 90gsm Europe – Xerox Colotech+, 90gsm
Coated paper	North America – Billerud Sterling Premium Digital, Gloss Coated, 80 lb Text, 118gsm Europe – Xerox Colotech+, Gloss Coated, 130gsm

System Specifications

Print Speed and Monthly Volume	Xerox® Proficio PX300 Press
Print Speed	85 ppm all paper weights for 8.5x11/A4 long edge feed sheets printing standard CMYK.
Average Monthly Print Volume [1]	25,000 to 150,000 pages
Maximum Monthly Duty Cycle [2]	Up to 750,000 pages

1 The Average Monthly Print Volume is the expected regular monthly throughput for 8.5x11/A4 paper.
2 The Monthly Duty Cycle is the maximum volume capacity expected in any one month. This volume is supported under standard vendor supplied service for any single month but is not expected to be sustained on a regular basis. Customers should consider higher volume machines or multiple machines if average monthly volume approaches the maximum duty cycle on a continual basis.

NOTE: Refer to the following for more detailed specification information: Feature Specifications, Print Engine Productivity Charts, and Feeding from the Bypass Tray 5.

Service Rates	Xerox® Proficio PX300 Press	
Service Call	Approximately one call every 3.5 weeks.	At average usage of 40,000 prints per month on centerline paper Actual service call rate is influenced by total print volume, environmental conditions, area cover- age, and media characteristics.
Shutdown	On average, 1 fault per week requiring a power-recycle to recover.	Based on 40,000 AMPV, one 8-hour shift per day, using centerline papers.

Print Engine Remote Software Updates

When necessary, Xerox® will push software and Non-Volatile Memory (NVM) settings remotely to internet connected Print Engines only. Remote updates will include fleet-wide and single IOT upgrades as required.

Device Specifications

Control Panel Language Support
English, Arabic, Portuguese (Brazil), Portuguese (Portugal), Czech, Danish, Dutch, German, Greek, French, Spanish, Italian, Norwegian, Polish, Romanian, Russian, Swedish, Turkish

Certifications and Standards

- FCC Class A Compliant (US)
- ICES Class A Compliant (Canada)
- CSA/UL Listed (UL 62368-1, 3rd Ed)
- CB Certified (EN 62368-1, 2nd Ed)
- CE Marked
- IEC Compliant (IEC 62368-1, 3rd Ed)
- IPv4 and IPv6
- EPEAT
- ENERGY STAR®

Dimensions and Weights	Width	Depth	Height	Weight
Base Configuration(with MSI and OCT)	67.5 in / 1714 mm	33.8 in / 858 mm	54.8 in / 1391 mm	650 lb / 295 kg

For a detailed configurations table refer to the “Installation” section.

Operating Environment

Operating Environment	Xerox® Proficio PX300 Press
Required Temperature Range	50° to 90° F (10° to 32° C)
Required Relative Humidity	15% to 85% RH
Altitude (above sea level)	Max of 8,200 feet (2,500 meters)
Sound Power Levels LwAd	Running: 78.7 dBA Standby: 58.2 dBA

For detailed information, refer to “Environmental Requirements for the Press”.

Electrical Requirements

Electrical	Xerox® Proficio PX300 Press	
Press	North America Receptacle: 208–240 VAC, 50/60 Hz, 16A requires 20A circuit NEMA 6-20R socket 	Europe Receptacle: 220-240 VAC, 50/60 Hz 20A requires 20 A circuit PCE Shark 023-6 mating socket 
Additional electrical required for print server, feeding / finishing devices.	115 VAC, 15 A for 60 Hz or 220 VAC, 10 A for 50 Hz (Western Hemisphere) 220–240 V, 10 A, 50 Hz (Europe) Nema 5-15R or 5-20R 	(Note: HCF, BR Finisher 2.0 and BR Booklet Finisher 2.0 plug directly into press and require no additional receptacle.)

For detailed information refer to “Electrical Requirements”.

Power Consumption	Xerox® Proficio PX300 Press
Voltage	Westerrn Hemisphere –208 - 240 V EMEA – 220 - 240 V
Power Consumption*	@230v 2150W (running) *PX300 Printer and optional EX server
Standby Mode	580W
Sleep Mode	5.1W
Warm up Time from Power off	≤ 5 minutes

Feature Specifications

Print	Xerox® Proficio PX300 Press * Using Centerline Paper	
First Print Out Time (FPOT)	• In "Ready Mode" FPOT is on average less than 8 sec. for color and less than 10 sec. for B/W. • At initial power on, the system requires between 30 and 45 seconds to produce the first print. • Switching from Color Mode job to B/W job or the reverse requires on average 30-60 seconds. • 60 seconds needed after a paper jam to ensure system recovered from possible contamination and ensure image quality is optimized.	FPOT is measured from the time the Printer starts to the time the trail edge of the sheet exits the Offset Catch Tray. Note: If the system is equipped with various types of finishing devices, the FPOT time will vary depending on the length of the paper path needed to transport that paper.
Resolution	• 2400 x 2400 x 1 dpi** (Print Engine Addressability) • 1200x1200 dpi RIP resolution • 10 bits per pixel bit depth **dpi = dots per inch	
Line Screens	Halftone Screens • 150, 175, 200, 210, 300, 600 Clustered Dot • 150, 200, 300 Rotated Line Screen • FM Screen	
Front to Back Registration	• +/- 0.5 mm for media 52-176 gsm fed from the Advanced HCF or Vacuum Feeders • +/- 1.0 mm for media over 176 gsm or media fed from internal trays, MSI HCF or 1-Tray OHCF	Specification applies only to Xerox® Proficio PX300 Press centerline paper measured on an 11 x 17" (A3) sheet. To achieve registration results with paper other than centerline paper, Xerox® recommends that you use SIQA to create custom media profiles. Note that custom cut media may adversely impact registration performance.
Color to Color Registration	≤70 microns	Specification applies on: - Xerox Bold™ Digital Printing Paper, uncoated - Xerox Colotech+, Uncoated Specification may vary on papers above 90 gsm.
Max Printable Area	12.83 in x 18.98 in (323 mm x 482 mm) for standard size sheets XLS sheets: • 12.83 in x 51.01 in (326 mm x 1294 mm) from the High Capacity XLS Vacuum Feeder • 12.72 in x 51.01 in (323 mm x 1294 mm) from the MSI	Guaranteed Image Quality for standard size sheets: 12.48 in x 18.98 in (317 mm x 482 mm) Guaranteed Image Quality for XLS sheets: 12.48 in x 51.01 in (317mm x 1294 mm) Minimum image distance to edge of sheet: Lead edge = 4mm Side edges = 2mmTrail edge = 2mm

Device Management

Features	Xerox® Proficio PX300 Press
Workflow	
Variable Information Solutions	• XMPie® • Xerox® FreeFlow® Variable Information Suite • Other industry partners
Automation	• Xerox® FreeFlow® Core
Remote Services	
Xerox® Connect Advantage Services	• Sophisticated diagnostic technology • Analysis of real-time device performance data, allowing for reactive and proactive problem resolution • Dedicated, highly skilled specialists • Parts prediction • Fault code interpretation and diagnosis • Extensive array of tool and information quickly accessible via the web
Meters: • Color Impressions • Black Impressions • Total Impressions	Large Size Definition: For the Proficio PX300 Press, a large sheet is defined as having greater than or equal to 145 square inches in total area. For example: • 8.5 x 14 in is NOT oversize (119 sq. in) • 11 x 17 in is oversize (187 sq. in)

Features	Xerox® Proficio PX300 Press
• Color Large Impressions • Extra Long Impressions	• A3 is oversize (124740 sq. mm) • A4 is NOT oversize (62370 sq. mm) Note: For jobs that contain ONLY SDI's (Clear/Low Gloss Clear/Fluorescent Pink) with no CMYK content, the Color, Black, Color Large and Extra Long Impressions meters will NOT increment." <u>Extra Long Definition:</u> For billing* on the Proficio PX300 Press, an extra long sheet is defined as having a length that is greater than 19.33 inches (491mm) ("Extra Long Sheet"). The Extra Long Impressions meter will increment as a function of the length of the sheet: • 491mm → 661mm = +2 • 662mm → 877mm = +3 • 878mm → 1083mm = +4 • 1084mm → 1300mm = +5 *(*note: the definition of an Extra Long Sheet for billing purposes (19.33in / 491mm) is slightly longer than the technical definition of an Extra Long Sheet (19.2in / 488mm) used in the rest of this document)*

System Productivity

PRESS PRODUCTIVITY

The Proficio PX300 press is capable of running in 4-color mode up to 85 ppm simplex and 42 ppm duplex. Maximum speed is possible when running 8.5x11 in / A4 on uncoated/coated media between 52-400 gsm (18 lb Bond – 150 lb Cover) when fed in the Long Edge Feed direction from the primary paper trays.

When a 5th Color is added, the press will operate at 40 ppm simplex and 20 ppm duplex under the same conditions.

Press speed will also be impacted by the following:

- Media Size – larger media will run at reduced speeds
- Media Type – Labels, Transparencies, Tab Paper, Cast Coated, Embossed, Textured and Film Media may run at reduced speeds
- Paper Feed Direction – Long Edge Feed (LEF) vs Short Edge Feed (SEF) impacts output speed
- Feeding Tray - Speeds running from the Bypass Tray/MSI are slower than from other trays
- Simplex vs. Duplex printing – Output speeds are cut in half when running duplex
  Note: some media like film and sheets > 13 x 34 in (330.2 x 864 mm) cannot be duplexed
- Environmental conditions - For XLS over 34 in/864.1 mm, expect lower productivity when humidity levels > 60%.

Detailed information on press speeds under the above conditions can be found in the Proficio PX300 User Guide in the "Throughput and Productivity Information" section. The User Guide can be found at the following location: https://www.support.xerox.com/support/proficio-px300/support in the Documentation tab.

Factors Affecting Productivity and Rated Print Speed

The rated print speed refers to the maximum print or copy speed enabled for the press. Over the course of a print job, the press will perform automatic process adjustments in order to maintain consistent Image Quality. As a result, actual productivity for a job may be less than the rated speeds shown. The actual print speed (PPM) achieved depends on a number of factors including the stock type, stock size, and number of sheets in the job.

MIXED MEDIA PRODUCTIVITY

Press Productivity Modes

The Xerox® Proficio PX300 Press allows the user to select from 2 Productivity Modes that impact the print speed of mixed media jobs. Descriptions of these modes and test results are cited below.

Optimized for Speed: (Default mode) This mode uses the maximum temperature for the heaviest stock within the job and will not pause to adjust the fuser temperature.

Optimized for Quality: This mode adjusts the fuser temperature for each stock weight range and the system productivity will slow down to allow the press to adjust the fuser temperature when necessary.

The following table provides test results on several job types that utilize mixed media and that require paper tray switching. These jobs were tested by Xerox® to provide representative productivity. Results for similar jobs may vary depending on the Print Server, specific media, paper trays, and print mode that are used.

Job Description	Configuration or Settings	Optimized for Speed	Optimized for Quality
10 sheets: • All 8.5 x 11 in LEF 90 gsm • Alternating between two trays; 1 sheet per tray	• Run to HCS and Production Ready Finisher Stacker Tray with set offset • Auto Tray Switch Timing set to Tray Near Empty	85	85
10 sheets: • All 8.5 x 11 in LEF • Sheets 1 and 10, 210 gsm • Sheets 2-9, 90 gsm	• Run to Production Ready Finisher Stacker Tray with set offset • Auto Tray Switching defined in the job • 1-Sided	85	10
3 sheets from different trays: • All 8.5 x 11 in LEF • Sheet 1: 200gsm (Tray 1) • Sheet 2: 90gsm (Tray 2) • Sheet 3: 90gsm (Tray 3)	• Run to Production Ready Finisher Stacker Tray with set offset • Auto Tray Switching defined in the job • 1-Sided	63	3
30 sheets: • All 11 x 17 in • 90 gsm uncoated • Sheets 1-10: Tray 1 • Sheets 11-20: Tray 2 • Sheets 21-30: Tray 3	• Run to Production Ready Finisher Stacker Tray with set offset • Auto Tray Switching defined in the job • 1-Sided	48	48
23 sheets: • All 8.5 x 11 in LEF • 90gsm • 4 from tray 1, 1 from tray 3, repeat 3 times • Then 1 from tray 1, 1 from tray 3, repeat 4 times	• Run to Production Ready Finisher Stacker Tray with set offset • Auto Tray Switching defined in the job • 1-Sided	85	85
225 pages: • 8.5 x 11 in • 210gsm cover • 90 gsm body with 13 • 9 x 11 in tabs • 15 sheets between tabs: Cover, 15 sheets, Tab, 15 sheets, Tab, 15 sheets, Tab, 15 sheets, Cover	• Run to Production Ready Finisher Stacker Tray with set offset • Auto Tray Switching defined in the job	73	25

INTEGRATED SCANNER PRODUCTIVITY

The Integrated scanner performs color or black and white scanning with the following specs:

- Maximum scan size: A3 (297 x 432 mm, 11 x 17 in.)
- Scan resolution: 600 x 600 dpi, 400 x 400 dpi, 300 x 300 dpi, and 200 x 200 dpi
- Scan speeds: Up to 270 ipm with 2-sided pages
- Scan Image File Format: PDF Image only, searchable PDF, TIFF V6, PDF, PDF (A-1), XPS

Print Server / Controller

PRINT SERVER OPTIONS & SPECIFICATIONS

Introduction

The purpose of this section is to provide information about the capabilities and potential limitations of the EX-Li/EX PX300 Print Server for the Xerox® Proficio PX300 Press. Please see the EX-Li/EX Print Server Customer Release Notes document for the Proficio PX300 Press for additional information and software usage tips.

This chart is a guide of hardware specifications matched to the Press. Minor hardware variations within the model may occur as upgrades take place in the manufacturing process. Any difference in the delivered product will provide functional equivalence to the performance and feature set described herein.

Support

Software and hardware support of your print server may vary in regions. Refer to the Terms and Conditions for definitions for software and/or hardware support.

Surge Protection

Xerox® recommends protecting the EX-Li/EX Print Server from surges or spikes in electrical power that can damage the server and result in extended downtime. In areas that tend to experience brownouts or blackouts with more frequency, installation of an Uninterruptible Power Supply (UPS) is suggested. This protection is the responsibility of the customer.

A surge protector is strongly recommended for the network controller installation. This should be provided by the customer.

Microsoft Windows Certificate of Authenticity (COA) Microsoft® Windows® 10 2021 LTSC FES OS License is part of the EX PX300 Print Server. Every Xerox® EX PX300 Print Server includes an individual Windows 10 2021 LTSC Certificate of Authenticity (COA) license number that is preprinted on a label placed on the back cover of the EX PX300 Print Server. It is the responsibility of the customer to place documents and USB flash drive that contains the EX PX300 software in a secure, but accessible area. The Xerox® Service Representative will use the USB flash drive and the license in case a full system software re- installation is recommended.

Windows operating system updates are available directly from Microsoft; these are downloadable from the EX PX300 Print Server and are customer installable through Windows Updates.

NOTE: If the license is lost or misplaced, the customer will be required to purchase a replacement license at his or her own expense.

Environmental and Electrical Requirements

Refer to “Electrical Requirements” and “Environmental Requirements” for detailed information**.**

NOTE: The EX-Li/EX Print Server requires an electrical outlet.

NOTE: Power cord for the EX-Li/EX Print Server is approximately 7.5 feet (2.3 meters).

Specifications

Hardware	EX-Li Print Server	EX Print Server
Processor	Intel i3-12100 3.3 GHz (up to 4.3 GHz w/ Turbo)	Intel –i3-12100 3.3 GHz (up to 4.3GHz w/ Turbo)
Number of Cores	4	
4Bus Speed	8.0 GT/s	8.0 GT/s
Platform OS	Linux	Windows 10 2021 IoT Enterprise LTSC
System Memory (Minimum)	16 GB	16 GB
Hard Drives Size	1 TB HDD NVMe	240/256 GB SSD SATA + 1 TB HDD SATA
DVD Drive	No	No
Serial Interface	No	No
USB Interfaces (Rear, Front, Internal)	Total 4: USB 2.0: 2 rear ports USB 3.2: 2 rear ports	Total 7: USB 2.0: 2 rear ports USB 3.2: 2 rear ports

Hardware	EX-Li Print Server	EX Print Server
		USB 3.0: 3 ports on Fiery QuickTouch™ Note: The Optional NX Station connects to 2 of the rear ports
EX-Li/EX Print Server Software	FS700X	FS700X Pro
Stand	No	Optional – includes monitor, keyboard and mouse
Electrical	Refer to" Electrical Requirements for the Print Servers"	Refer to "Electrical Requirements for the Print Servers"
Module Dimensions	Refer to "Module Dimensions for the EX-Li PX300 Print Server"	Refer to "Module Dimensions for the EX PX300 Print Server"

Running Antivirus Software

Fiery has not provided testing on any specific anti-virus software. One should refer to the Fiery FS700 Security White Paper on how best to choose appropriate antivirus software

Security

Security threats are defined as issues that compromise the integrity of the system, hampering the integrity of job data, compromising secured feature access, or allowing unauthorized data access. The installation of network devices should be done in accordance with existing security paradigms. The EX-Li/EX Print Server core software includes security features. To create a more secure network environment, end-users will need to combine the EX-Li/EX Print Server security features with other security safeguards. Customers should review the Fiery FS700 Security White Paper and Fiery Product Security Guide. This can be made available from your Xerox® representative.

Non-standard Paper Size Support

The Press supports non-standard paper sizes. However, due to rounding and unit conversions that occur in the client applications, print server, and printer, some mismatch may occur between the paper size entered at the application and the paper size that must be entered at the printer. The operator may need to adjust the entered paper dimensions by up to 0.1 in (2.5 mm) in order for the printer to detect that the requested paper size has been loaded. In addition, the printer interprets some paper sizes included in the PPD as non-standard sizes.

Customer Service and Support

Periodically, Xerox® will make available bug fixes and other software releases. Some of these bug fixes and upgrades are designed to be customer installable. Updates can be obtained by using the Fiery automatic updates service or going to www.xerox.com/support. Future upgrades may have costs associated with them.

Software Replacement

If lost or misplaced, replacement software is available to be purchased. Work with your local Service Representative for a replacement. Service personnel may not be able to provide services unless this material is available.

Adobe PDF Print Engine

The EX PX300 Print Server supports APPE* v6.2 (Adobe PDF Print Engine) offering native end-to-end pdf workflows. This technology provides important features:

- Improves the consistency and flexibility of PDF output from design to print.
- Supports live transparency and spot color rendering.
- Adobe Common Rendering Engine (ACR): Adobe® Creative Suite and RIP technologies now use a single rendering engine.
- The EX PX300 Print Server can process CPSI and APPE workflows simultaneously, helps jobs meet customer demands, appearance and performance.

File Creation

Even with the ability to process files through the Adobe PDF Print Engine there can be variations in processing times and color when comparing this to the traditional CPSI PostScript pathway. It is always best to create files appropriate for the intended production workflow. Image source color profiles, common color conversion working spaces, live vs. flattened transparency should all be considered prior to creation for best end results.

Images that are scaled and rotated to their appropriate angle, size and resolution prior to being placed in a design program

will typically process better. Always refer to a design guide for advice.

Always read the full documentation and understand how PDFs affect color paths with the print engine. There are many online resources available to help optimize PDF's for printed output.

File Formats

The following file formats are supported:

- PostScript level 1, 2, or 3
- Adobe Portable Document Format version up to 1.9 (Acrobat 11). Supports native PDF processing
- PDF/X-1a, PDF/X-3 and PDF/X-4*
- PDF/VT-1* and PDF/VT-2*
- JPEG via Hot Folders
- EPS, TIFF
- PCL 6/C (can be processed by the EX-Li/EX Print Server but cannot be selected as an output from the driver)
- Fiery FreeForm 1 and FreeForm 2VDP
- Xerox® VI Compose 11* (VIPP); license required (available at an additional cost)
- Personalized Print Markup Language (PPML) Version 3.0
- VPS compatible*, VPC*
- Jobs submitted from Xerox® FreeFlow Workflow Offerings.
- Microsoft Native Formats (DOC, DOCX, XLS, XLSX, PUB, PPT, PPTX, PPS, PPSX) supported through filters for Hot Holders on EX-Li/EX
- TIFF, EPS
- IPDS*: Supported only when combined with third-party software from Rochester Software Associates (RSA) or Solimar

* EX PX300 Only

Key Features and Considerations

The following features are available and operate per specification, unless otherwise noted in the customer documentation.

Feature	Description	Comments
EX Print Server JDF v1.8	• Enables EX Print Server integration with JDF workflow • Resides on EX Print Server	• Basic JDF/JMF commands are supported. These commands are those that reference the stock, weight, size and color. • Not available on the EX-Li Print Server.
Fiery Color Profiler Suite	• A complete, integrated color management tool to ensure color quality control in the printing workflow. The flexible suite is based on Fiery's color management solutions. • Color Profiler Suite (CPS) consists of the following 4 modules: 1. Profile Creation 2. Profile Evaluation 3. Quality Assurance 4. Profile Editing • Support for the In-Line Sensor	• Optional with EX-Li/EX printer servers • Generate Monitor & Printer Profiles, Create Device Links, Inspect & Edit profiles • Fiery Color Verifier • ES3000 Spectrophotometer hardware • CPS includes the first year of a Support and Maintenance Agreement. This agreement entitles customers to all updates & upgrades to CPS software. Additional Years of Maintenance can be purchased for a nominal fee.
Fiery Compose	• Preview and Edit Jobs easily • Compose provides a visual representation of the job so users can confirm the correctness of the job before printing or modify it as necessary.	• Optional with EX-Li/EX print servers • Also handles last-minute editing of text and images with powerful PDF editing capabilities • Uses a license activation code for full s/w functionality.
Fiery Impose	• A WYSIWYG tool to enable easy creation of imposition layouts. • Create unlimited user definable imposition templates.	• Standard with EX Print Server • Optional on the EX-Li Print Server

Feature	Description	Comments
Fiery Smart Estimator - CWS	• Uses a calculator to provide a cost estimate based on job information such as page size, amount of coverage, number of copies, and number of passes	• Smart Estimator provides a cost estimation and should not be used as exact job costs
Remote Operation	• Command Workstation 7.1 • Log into multiple servers. • Manipulate jobs from any connected server without having to look at separate applications, or separate windows. • Preview print jobs from several different servers at one time. • Proof print • Use and save EX-Li/EX Print Server presets for commonly used settings. • Constantly monitor activity on one selected server, or on all connected servers.	• Command Workstation is included. A more current version of CWS may be available to download from www.fiery.com or Fiery Software Manager. • Can run multiple color or monochrome systems from one central site • Client memory may limit the number of remote GUIs; 512 Mb minimum of memory required.
Tab Wizard/ Insert Tab Wizard	• Set up tabs sets and controls in an easy to use interface. • Can choose forward or reverse tabs and a set number of banks of tabs	• The user can set up tabs as 8.5x11 Tab LEF or A4 Tab LEF
Booklet Maker 4.0	• Easily create booklets in a user-friendly environment without trying to program a job ticket	
Passes both Altona Suite and Ghent Output Suite	• These are two different tests to help a printer comprehend how the EX-Li/EX Print Server manages color, PostScript Overprint and other common color print issues. • The tests suites test and verify both PDFX-1A, PD-FX-3 and PDFX-4 capabilities (EX PX300 only). • The files are specially designed for testing digital output devices primarily proofing systems as well as conventional and digital printing systems.	• In customer environments where tight color controls are requirements, and/or passing of the Altona Suite, Fogra Media Wedge and Ghent Suite, it is highly recommended to have Fiery Profiler to help maintain color consistency. • More information on the Altona Test Suite can be found at: http://www.alton-atestsuite.de/en/index.php • More information on the Ghent Output Suite can be found at: http://www.gwg.org/
Fogra Media Wedge (EX Print Server Only)	• The Fogra Media Wedge is a color proofing bar used to monitor and measure color. • It is a comparison tool, designed for checking digital proofs against print standards.	• To maintain tight consistency for this industry standard requires Fiery Color Profiler Suite to calibrate and profile engine. • Profiler is recommended to calibrate and profile both the monitor and press and to inspect and measure the output.
Virtual Printers	• Supports ability to create Hot Folders and Virtual Printers • The hot folder relieves the user of the repetitive task of configuring print settings for multiple jobs and allows the direct printing of files without need for an application. • Supports native printing through hot folders for Microsoft applications: Microsoft Word, Excel, Publisher and PowerPoint	•Standard feature
Mixed Media Support	• Dynamic media pulls • Recognizes the PostScript command for any stock-related parameter to enable mixed stock jobs • Supports imposed and non-imposed • Paper Catalog	• Tabs are not supported with any imposed job • For imposed jobs, sheet size for that job is fixed and cannot be changed • Mixed media cannot be applied as a record-based attribute inside FreeForm jobs. • Mixed Media settings for FreeForm jobs must be applied to the variable component file.
Security	• User password control	• Included on Fiery Print Server

Feature	Description	Comments
	• EX Print Server security (log-in) protocol makes shared locations accessible only to authorized users	• Microsoft Windows 10 2021 LTSC operating system and security features are available on EX Print Server
Secure Erase	• The ability to rewrite the hard drive data three times to destroy data. • Department of Defense 5220.22M	•Included on EX-Li/EX Print Server

Purchasable Options

The following features are available as purchasable options on the EX-Li/EX Print Server unless otherwise noted. Speak to your Xerox® Sales representative for more information.

Option	Includes	EX-Li	EX	Comments
Removable Hard Disk Drive Kit	Hardware to enable removable hard disk drives.	N/A	O	Provides a casing that will house the DFE hard disk drive, allowing the HDD to be removed and locked up.
Fiery Compose license	Compose license	O	O	Ability to purchase additional licenses
Fiery Impose license	Impose license	O	S*	Ability to purchase additional licenses * First license standard, additional licenses optional
FACI Kit	Stand, monitor, keyboard, mouse	N/A	O	22 in / 558.8 mm Flat Panel monitor
Keyboard/Mouse	Keyboard, mouse	N/A	O	Alternative to full FACI kit
Barcode Scanner	PredictPrint Barcode Scanner	N/A	S	Save for future PredictPrint enablement.
Fiery Color Profiler Suite	CPS license, ES-3000 Spectrophotometer	O	O	For EX-Li, CPS needs to be installed on a client computer that connects to the print server
Fiery Graphic Arts Pro	GA Pro license	NA	O	
Fiery ColorRight license	ColorRight license	O	N/A	Functionality included in EX Print Server
Fiery High Security Kit	High Security Kit license	N/A	O	
Job Progress Light	Job Progress Light stick/cable	N/A	O	
Ethernet Hub Option		O	O	

Standard – S, Optional – O, Not Applicable – N/A

Variable Information

Note: This is not supported on the EX-Li Print Server

If a customer is successfully running a Xerox® FreeFlow® Variable Information Suite (VIPP®) workflow, it will work similarly across the Xerox® portfolio when using the EX Print Server.

Variable information is a very complex subject. Many variables exist that impact a file. File creation, emitters, PostScript code and type of server, are just a few of the things that will affect Variable Code. It is advisable to test a file prior to gain an understanding of any possible issues in the workflow. A Xerox® Analyst can help in the process and there is always opportunity for a customer to correct and develop an efficient workflow to gain the best throughput.

Network Specifications

The EX–Li / EX PX300 Print Servers use the following protocols and frame types:

- HTTP and HTTPS browser submission support
- Support for 10/100/1000 Ethernet
- IPv4 & IPv6

NOTE: If a DHCP server is not available the Server IP address must be entered manually.

Printing Services

The EX-Li/EX Print Server supports the following printing services and drivers:

- FreeFlow® Print Manager (FFPM is an optional workflow solution) support
- Microsoft® Windows® WHQL (Windows Hardware Quality Labs) printer drivers with Dynamic tray and Status reporting
- Macintosh® OS full feature drivers

- Adobe PostScript® Printers Descriptions (PPD)
- LPD (Line Printer Daemon) Allows printing in TCP/IP networks using an LPR client and supporting RFC 1179, the Berkeley LPR protocol.
- PAP (Printer Access Protocol) Supported for font downloading.
- SMB (Server Message Block) Allows printing in Windows networks over TCP/ IP.
- Port 9100 Supports direct socket interface through direct, print and hold queues. Note: Disabling the Port 9100 service also disables the associated IP ports
- FTP Printing Supports printing from an FTP client to the EX-Li/EX Print Server.
- IPP Support Internet Printing Protocol (IPP) is an application level protocol that can be used for distributed printing using Internet tools and technologies. This would allow end-user to print to a remote printer on the Internet, as if it were attached to its local area network, by specifying the URL. IPP uses HTTP protocol to provide the underlying communication between the client and the server.
- WSD (Web Services for Devices) – Allows discovery of and printing to the Fiery server over WSD. WSD is a printing protocol supported by Windows 7 or later.

NOTE: Disabling the IPP service also blocks port 631.

Client Specifications

Windows specifications to install and use Fiery Print Drivers

System Requirements	Description
Processor	Pentium 4, 1.0 GHz or faster
Memory	500 MB (2 GB recommended)
Hard disk space	1 GB (2 GB recommended)
Operating Systems	• Windows 10 (32-bit or 64-bit): Windows 10 Home, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Education, • Windows 10 Mobile, Windows 10 Mobile Enterprise, Windows 10 IoT Core • Windows 11 • Windows Server 2016, 2019, 2022 or 2025

Mac specifications to install and use Fiery Print Drivers

System Requirements	Description
Processor	Intel or Apple Silicon (M-series) processor that supports the version of Mac installed.
Memory	500 MB (1 GB recommended)
Hard disk space	500 MB (1 GB recommended)
Operating Systems	• macOS Tahoe 26 • macOS Sequoia 15 • macOS Sonoma 14 • macOS Ventura 13 • macOS Monterey 12 • •macOS Big Sur 11

Please refer to the Fiery's *Printing* user documentation for further installation information.

The EX-Li/EX PX300 Print Servers support the following drivers:

- Microsoft Windows WHQL (Windows Hardware Quality Labs) printer drivers with Dynamic tray and Status reporting
- Macintosh OS full feature drivers
- Adobe PostScript Printers Descriptions (PPD)

NOTE: PCL Print Server Drivers are not included.

Windows and Mac specifications to install and use Fiery Command WorkStation.

Client	System requirement	Description
Windows	Memory	4 GB or more
	Hard Disk Space	16 GB
	Display/Graphics Card	1280 x 1024 screen resolution/16-bit color
	Network Protocol	TCP/IP
	Operating Systems	• Windows 10 (64-bit): Windows 10 Home, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Education, • Windows 10 Mobile, Windows 10 Mobile Enterprise, Windows 10 IoT Core • Windows 11 • Windows Server 2016, 2019, 2022, or 2025
Mac	Memory	4 GB or more
	Hard Disk Space	7 GB
	Display/Graphics Card	1024 x 768 screen resolution/16-bit color
	Network Protocol	TCP/IP
	Operating Systems	• macOS Sequoia 15 • macOS Sonoma 14 • macOS Ventura 13 • macOS Monterey 12 • macOS Big Sur 11 • macOS Catalina 10.15

EX-Li / EX Print Server Software Limitations

System

- When Secure Erase is enabled (in Configure), certain tasks take longer to complete. These tasks include:
  - Deleting multiple jobs
  - Setting Job Properties for multiple jobs
  - Backup and Restore.

  NOTE: When Secure Erase is enabled, do not let the hard disk drive fill to maximum capacity. To keep disk storage at a manageable level, delete the jobs in the Hold queue frequently.

Printing

- If a job based on specific media type/weight (for example heavyweight paper) exceeds page limit for selected finishing options (for example: staple) the job is processed and canceled, and the error is displayed.

Print Options

- To print on a specific media you should choose a specific tray, media type or Paper Catalog entry.
- To use the Paper Catalog option in the print driver, Two-Way Communication should be enabled in the print driver properties.

Command Workstation

- In Image Enhance Visual Editor, changes are applied to both the selected job and any duplicates of the selected job.
- The maximum copy count in the PPD job properties is 9999.
- The maximum number of spot colors per page in a composite overprint file is 32 for CPSI workflow and 123 for APPE workflow.
- When the hard disk of the color server is full, jobs sent to the server will not print until the current job is finished and completed jobs are removed from the Printer Queue.

- Jobs archived using any previous version of software may not be backward compatible to other Fiery Print Servers.

Print Drivers and Printing

- Windows Print Server printer driver installed with Point and Print: If you install the Windows Print Server printer driver with Point and Print you may receive an error when you view the printer driver properties.
- Printing a job with incompatible Finishing print options: If you try to print a job with incompatible Finishing print options you will receive a message that Finishing could not be completed as selected.
- Printing mixed media with Crease is not supported.

Applications

- If you print a job from Microsoft Word with the page size set to A4 and the EX-Li/EX Print Server displays a message indicating that you must load 8.5x11 paper, you must do one of the following:
  - Reprint the job from Microsoft Word and set the paper size to A4 on the Fiery Printing tab of the printer driver.

    or

  - Set the paper size for the job to A4 in Command WorkStation Job Properties and reprint the job.
- In general, if print options that are selectable from an application are similar to print options that are specific to the EX-Li/EX Print Server and the digital press (on the Fiery Printing tab), use the print options that are specific to the EX-Li/EX Print Server and the digital press

RESPONSIBILITY MATRIX

Action	Customer	Carrier	Xerox®
Ensure adequate space and power to configure the EX-Li/EX Print Server to the print engine.	X		
Unpack system / components		X[3]	
Install server hardware		X[3]	
Connect all System Components prior to powering up the system		X[3]	
Install the printer description files, utilities, and printer drivers on client PCs	X[2]		
Ensure network configuration	X[2]		
Confirm network integrity	X		
Acquire and install client workstation network hardware and software	X[2]		
Monitor and Adjust calibration for color matching of color management systems	X		
Load any additional fonts	X		
Procure BNC transceiver for network connection (if required)	X		
Set up and administer client workstations	X		
Provide Helpline Support (when FSMA is purchased)			X[1]
Provide spare parts (when FSMA is purchased)			X[1]
Provide service (when FSMA is purchased)			X[1]
Install all software options designated as customer installable	X		
Secure all system software	X		
Assess site security requirements and configure the print server as needed to satisfy customers' IT/Security department	X		
Ensure all sensitive customer data is removed from the server and print engine hard drive before returning to Xerox®	X		

1 - Field Service Maintenance Agreement (FSMA) is required for these services, for more information contact your Xerox® representative.

2 - A customer can purchase professional consulting hours to have a systems analyst assist in planning and implementing these activities.

3 - The Xerox® Proficio PX300 Press is delivered and installed by Carriers. The carrier unpacks, installs the hardware, connects the print server to the press, and prints a job from the sample jobs folder. The customer installs all software options.

Feeding Specifications

Bypass / MSI Tray	
Capacity	250 sheet capacity (using Centerline Paper)
Sizes	Min: 3.9 x 5.8 in (100 x 148mm) SEF Max: 13 x 26 in (330 x 660mm) SEF
Weights	52 to 400* gsm uncoated, 64 to 400* gsm coated *(*note – recommended max weight is 300gsm)* Greater than 19.2 inches (488mm) in length: 52-256 uncoated, 64-256 coated.
Supported Media Types	Uncoated, coated, matte coated, transparencies, predrilled, tabs, envelopes, hole punched, labels, letterhead,film, embossed paper, cast coated

Internal Trays 1 -3	
Capacity	550 sheets (per tray); combined capacity of 1,650 sheets (using Uncoated Centerline Paper)
Sizes	Min: 5.5 x 7.2 in (140 x 182 mm) Max: 13 x 19.2 in (330 x 488 mm)
Weights	52 to 256 Note: Jam rates may be higher with coated stocks when feeding from trays 1-3.
Supported Media Types	Plain, uncoated, coated, transparencies, heavyweight, predrilled, tabs, hole punched, labels, letterhead

OPTIONAL High Capacity Feeder (letter / A4) (HCF)	
Capacity	2,000 sheets (using Centerline Paper)
Sizes	8.5 x 11 in (A4) LEF
Weights	64 to 220 gsm
Supported Media Types	Uncoated, coated, transparencies, predrilled, hole punched, labels, letterhead

OPTIONAL 1-Tray Oversized High Capacity Feeder (OHCF)	
Capacity	2,000 sheets (using Uncoated Centerline Paper)
Sizes	Min: 7.2 x 8.3 in (182 x 210 mm), w/postcard kit 4 x 6 in (100 x 148 mm) Max: 13 x 19.2 in (330 x 488 mm)
Weights	52 to 400* gsm *(*note – recommended max weight is 300gsm)*
Supported Media Types	Uncoated, coated, transparencies, predrilled, tabs, envelopes, hole punched, labels, letterhead, postcard (with Tray inserter)

OPTIONAL Advanced High Capacity Feeder (Advanced HCF) – Single or Dual Configurations	
Capacity	2,000 sheets (per tray); combined capacity of 4,000 sheets (using Uncoated Centerline Paper)
Sizes	Min: 7.2 x 7.2 in (182 x 182 mm), w/postcard kit 4 x 6 in (100 x 148 mm) Max: 13 x 19.2 in (330 x 488 mm)
Weights	52 to 400 gsm Note: Optimal performance for coated stocks is 64 – 400 gsm *(*Performance is not guaranteed feeding reliability may degrade (multifeeds or misfeeds) for some media in this range)*
Supported Media Types	Uncoated, coated, transparencies, predrilled, tabs, envelopes, hole punched, labels, letterhead, postcard (with Tray inserter)
Optional Accessory	XLS Automatic Feeding Kit - Optional Air Assist Kit for the Advanced High Capacity Feeders Manual Sheet Inserter (MSI) to improve XLS feeding by introducing airflow to separate the sheets.

OPTIONAL 2-Tray Oversized High Capacity Vacuum Feeder	
Capacity	2,000 sheets (per tray); combined capacity of 4,000 sheets (using Centerline Paper)
Sizes	Min 3.9" x 5.8" (98 x 148 mm) Max 13" x 19.2" (330 x 488 mm) Bypass Tray up to 13” x 26” (330 x 660 mm)
Weights	52 to 400 gsm
Supported Media Types	Uncoated, coated, transparencies, predrilled, tabs, envelopes, hole punched, labels, letterhead, postcard (with Tray inserter)

OPTIONAL High Capacity XLS Vacuum Feeder	
Capacity	2 Trays: • Tray 6 holds up to 700 XLS sheets up to 13" x 34” / 330 mm x 864 mm or 100 sheets up to 13" x 51.2” / 330 mm x 1.3 m • Tray 7 holds up to 2,100 sheets
Sizes	• Tray 6: Min 8.2" x 8.2" (210 x 210 mm); Max 13" x 51” (330 x 1.3 m) • Tray 7: Min 3.9" x 5.8" (98 x 148 mm); Max 13" x 19.2" (330 x 488 mm)
Weights	52 to 400 gsm Note: Max 400gsm up to 19.2 in (488 mm); Max 350 gsm up to 26” (660mm); 300 gsm up to 34" (864 mm), 256 gsm up to 51" (1.3 m)
Supported Media Types	Uncoated, coated, transparencies, predrilled, tabs, envelopes, hole punched, labels, letterhead, postcard (with Tray inserter)

OPTIONAL Dual High Capacity XLS Vacuum Feeder	
Capacity	4 Trays: • Tray 8 holds up to 700 XLS sheets up to 13" x 34” / 330 mm x 864 mm or 100 sheets up to 13" x 51.2” / 330 mm x 1.3 m • Trays 6, 7 and 9 hold up to 2,100 sheets
Sizes	• Tray 8: Min 8.2" x 8.2" (210 x 210 mm); Max 13" x 51 (330 mm x 1.3 m) • Trays 6, 7 and 9: Min 3.9" x 5.8" (98 x 148 mm); Max 13" x 19.2" (330 x 488 mm)
Weights	52 to 400 gsm Note: Max 400gsm up to 19.2 in (488 mm); Max 350 gsm up to 26” (660mm); 300 gsm up to 34" (864 mm), 256 gsm up to 51" (1.3 m)
Supported Media Types	Uncoated, coated, transparencies, predrilled, tabs, envelopes, hole punched, labels, letterhead, postcard (with Tray inserter)

Finishing Specifications

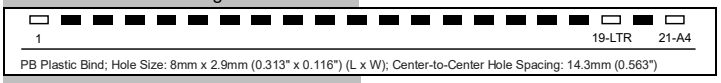
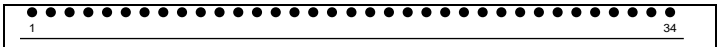
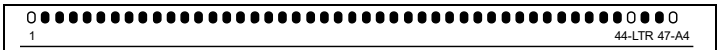
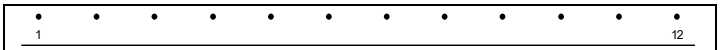
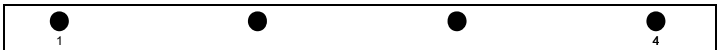
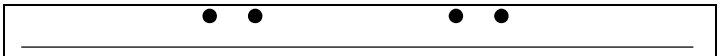
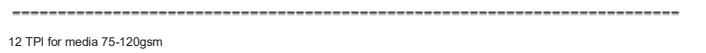
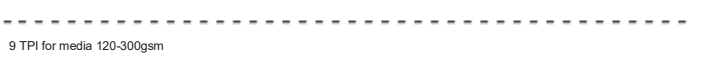
Offset Catch Tray (OCT)	
Capacity	Holds a maximum of 500 sheets
Limitations	• Overall productivity will decline if offsetting mode is selected. The print engine will pause printing to offset between sets and then resume. Productivity loss depends on the number of sheets per set, with single-page jobs representing the worst case (approximately 50% productivity loss) • Sheets smaller than 6.7 in (170 mm) in the cross-process direction (e.g. feed edge) cannot be offset • Sheets larger than 11.7 in (297 mm) in the cross-process direction (e.g. feed edge) cannot be offset
Enablement	The Offset Jobs box on the Finishing tab must be selected on the print server to enable offsetting.

Interface Decurler Modules	
Purpose	The Interface Decurler Module (IDM) acts as a paper path from the press to the finishing device; it also allows communication between the press and the finishing device. The IDM also cools and decurls paper as it exits the press and before it enters the finishing device.
Options	The Interface Module comes in two configurations: • Standard Interface Decurler Module • Interface Decurler Module with ILS, containing an Inline X-Rite Spectrophotometer (ILS) to automate calibration and profiling at the DFE and enabling the ACQS configuration
Configuration	The Interface Module is required with any system configuration that has one or more finishing devices, except the Offset Catch Tray (OCT), BR2 Finisher or BR2 Booklet Finisher.

Static Dissipation Module	
Purpose	The Static Dissipation Module is used to reduce static on the media by applying a charge via a corotron to one side of the paper adjusting the electrostatics for improved stacking and finishing.
Specifications	Changing the manual control switch on the front of the device from 0 to 99 will adjust the energy applied to the media.
Caveats	Effectiveness may be impacted by environmental conditions, media type and area coverage

Quality Control Module	
Purpose	The Quality Control Module (QCM) monitors color density and registration in real-time and automatically corrects without slowing production. This is achieved by scanning both the top and bottom of the media concurrently via a dual ILS system and sends data back to the IOT.
Specifications	The Quality Control Module's main scanning system is a CCD imaging sensor with a 350mm scanning width using a reduced optical system to analyze the prints. The system prints reference test images in the boarders of the document that are analyzed for document integrity.
Limitations	• The Quality Control Module (QCM) requires white media in order to accurately analyze color density. Any specialty media, such as black, dark, metallic, transparent, are not supported in QCM. • GBC® AdvancedPunch Plus features, such as punch, can also interfere with the QCM operations. • Performance is not guaranteed for XLS or media over 350gm

GBC® AdvancedPunch Plus	
Purpose	The GBC® AdvancedPunch Plus is an inline die punch unit using modular die sets to create a variety of hole punch patterns in a range of papers sizes, from A4 or 8.5 x 11 inch (LTR), long-edge-fed to 12x18 or SRA3 media, to support offline binding. It also has modular dies available for perforation and creasing
Configuration	Requires an Interface Module as well as a High Capacity Stacker or any Production Ready Finisher
Specifications	• Supports media from 75-300 gsm, (120-300gsm coated) • Supports tab stocks: letter (3, 4, 5, 8, 10 bank), ½ letter (3 and 5 bank), A4 (5 and 10 bank), and A5 (3 and 5 bank) • The GBC® AdvancedPunch Plus is able to bypass all coated and uncoated media sizes and weights that are printed on the Press • Requires an additional electrical receptacle; refer to the Electrical Requirements for Optional Devices.
GBC® AdvancedPunch Plus Limitations	• GBC® AdvancedPunch Plus punched, perforated or creased sheets cannot be saddle stapled or folded into a booklet in a PR Finisher. • Hole punch position from edge of paper is user adjustable using the AdvancedPunch Plus LCD User Interface • Double punch capability is available with the correct version of print engine and Fiery software. • Double punch is only centered on the sheet for 11x17" sheets • Opening the door while the machine is running will cause the machine to jam and shut down • Gloss coated media may not run as reliably as uncoated paper. Typically, coated papers and high area coverage exhibit increased variability in paper handling due to lower coefficients of friction, resulting in a broader distribution of punch registration and elevated jam rates • Stacking may be misaligned on jobs containing tab stock; these jobs will require additional jogging before final finishing • Compatible (i.e. can "bypass") with Extra Long Sheets (sheets longer than 19.2 in / 488 mm) if the configuration includes an Inserter module. Any configuration without an Inserter cannot "bypass" Extra Long Sheets. Do not run Extra Long Sheets through a Proficio PX300 Press in these configurations as it will cause a severe jam and may require a service call. • Due to the nature of punching holes, each punched sheet is slightly deformed, and when stacked, the edge with the holes will have an increased height compared to the non-punched edge. This is also true for perforated and creased sheets. • Reduced stack quality may be experienced due to variability in the punch hole, perforation, or crease formation • When sending output to the stack tray of the High Capacity Stacker, if this stack height difference exceeds one inch, the machine will shut down and alert the operator to unload the stacker tray. This is done to prevent a jam and will result in a reduction of stack capacity depending on the die being used
Die Sets	• Punch, crease, and perforation dies are interchangeable and support a variety of hole-punch, creasing, and perforation patterns. • Dies can be changed in seconds without tools. • Dies are covered by a 90-day warranty from the date of purchase. • Dies are ordered through the standard Supplies ordering process. • To maximize die life, lightly oil every 100,000 punch cycles (approximately every two months) using a light machine oil such as 3-in-1 Oil. Minor oil residue may appear around punched holes until excess oil is absorbed (typically within 20 sheets).

Die Set Description	Xerox Part Number	
For Plastic Comb Binding:		
 PB Plastic Bind; Hole Size: 8mm x 2.9mm (0.313" x 0.116") (L x W); Center-to-Center Hole Spacing: 14.3mm (0.563")	Die, Xerox, Comb Bind **Die, Xerox, Comb Bind, HD**	008R13190 **008R13239**
For Twin Loop™ Binding:		
 W3 Wire; Square; 3 Holes per inch; Hole Size: 4mm x 4mm (0.156" x 0.156") (L x W); Center-to-Center Hole Spacing: 8.5mm (0.333")	Die, Xerox, Wire 3.1, Sq.	008R13192
 W2 Wire; Rectangle; 2 Holes per inch; Hole Size: 6.4mm x 5.4mm (0.250" x 0.214")(L x W); Center-to-Center Hole Spacing: 12.7mm (0.500")	Die, Xerox, Wire 2.1, Sq.	008R13191
 eWire; Square; 3 Holes per inch; Hole Size: 5mm x 5mm (0.197" x 0.197") (L x W); Center-to-Center Hole Spacing: 8.5mm (0.333")	Die, Xerox, eWire, Sq.	008R13193
 W3 Wire; Round; 3 Holes per inch; Hole Size: 4mm (0.158") Diameter; Center-to-Center Hole Spacing: 8.5mm (0.335")	Die, Xerox, Wire, 3:1, Rnd.	008R13181
 W2 Wire; Round; 2 Holes per inch; Hole Size: 6.5mm (0.256") Diameter; Center-to-Center Hole Spacing: 12.7mm (0.5")	Die, Xerox, Wire, 2:1, Rnd.	008R13180
 eWire; Round; 3 Holes per inch; Hole Size: 5.5mm (0.217") Diameter; Center-to-Center Hole Spacing: 8.5mm (0.333")	Die, Xerox, eWire, Rnd.	008R13189
For Color Coil™ Binding:		
 C4 Coil; Round; 4 Holes per inch; Hole Size: 4.4mm (0.174") Diameter; Center-to-Center Hole Spacing: 6.3mm (0.2475")	Die, Xerox, Coil, Rnd. **Die, Xerox, Coil, Rnd. HD**	008R13179 **008R13240**
 C4 Coil; Oval; 4 Holes per inch; Hole Size: 4mm x 5mm (0.158" x 0.197") (L x W); Center-to-Center Hole Spacing: 6.3mm (0.2475")	Die, Xerox, Coil, Oval	008R13194
For Velo® Bind:		
 VB Velobind®; Round; 1 Hole per inch Hole Size: 3.2mm (0.125") Diameter; Center-to-Center Hole Spacing: 25.4mm (1")	Die, Xerox, Velobind®, 11 Holes, Ltr.	008R13187
 VB Velobind®; Round; 1 Hole per inch Hole Size: 3.2mm (0.126") Diameter; Center-to-Center Hole Spacing: 25.4mm (1")	Die, Xerox, Velobind®, 12 Holes, A4.	008R13188
For Loose Leaf Binding:		
 3 Ring Binder; U.S. (Standard Loose-leaf Patterns); Hole Size: 8mm (0.316") Diameter	Die, Xerox, 3 Hole, 8mm **Die, Xerox, 3 Hole, 8mm, HD**	008R13182 **008R13241**
 3 Ring, 5 Ring, 7 Ring; U.S. (Standard Loose-leaf Patterns); Hole Size: 8mm (0.316") Diameter	Die, Xerox, 3/5/7 Hole, 8mm	008R13183
 4 Ring Binder; European (Standard Loose-leaf Patterns); Hole Size: 8mm (0.315") Diameter	Die, Xerox, 4 Hole, 8mm	008R13184
 4 Ring Binder; European (Standard Loose-leaf Patterns); Hole Size: 6.5mm (0.256") Diameter	Die, Xerox, 4 Hole, 6.5mm	008R13185
 4 Ring Binder; Scandinavian (Standard Loose-leaf Patterns); Hole Size: 6.5mm (0.256") Diameter	Die, Xerox, 4 Hole, Scan	008R13186
For Creasing:		
 Crease	DIE, GBC, CREASE	008R13349
For Perforation:		
 12 TPI for media 75-120gsm	DIE, GBC, PERF, 75-120 GSM	008R13350
 9 TPI for media 120-300gsm	DIE, GBC, PERF, 120-300 GSM	008R13351

High Capacity Stacker (HCS) Tray

Purpose	The HCS is designed for stacking sheets for long production runs. Up to 5,000 sheets can be stacked with offsetting capability and a movable cart to transport to off line finishing.	
HCS Specifications	Feature	Specification (with centerline paper)
	Stacker Tray Capacity	5,000 sheets
	Top Tray Capacity	500 sheets
	Maximum Stack Weight	70kg (154 lb.)
	Maximum Paper Size	330 mm x 488 mm (13 x 19.2 in)
	Power requirement	Refer to Electrical Requirements for Optional Devices for information.
HCS Limitations	• The HCS is subject to stack weight limitations, and settings have been implemented to prevent damage to the unit caused by an excessively heavy stack • Stack quality may degrade and jams may increase with 64-106 gsm coated paper stocks • Mixed stock sizes can be sent to the HCS. However, the HCS generally should be unloaded between jobs that utilize different stock sizes to prevent stack quality problems such as paper misalignment or stack integrity. • Punched, perforated or creased sheet will lower the stack height due to the media deformation. • Max offset permitted is 350gsm	

Paper type and weight		Paper Size					
		Min size allowed 203 x 182 mm	A4 / 8.5 x 11 in	B4 / 8.5 x 14 in	A3 / 11 x 17 in	12 x 18 in	SRA3 13 x 19.2 in
Uncoated 52-350* gsm	Sheets	≤ 5,000 sheets		≤ 2,300			
	Stack Height	H ≤ 570 mm (22.44 in)		H ≤ 460 mm (≤18.11 in)			
Coated 64-350* gsm	Sheets	≤ 5,000		≤ 3,400			
	Stack Height	H ≤ 570 mm (22.44 in)		H ≤ 412 mm (≤16.22 in)			

Production Ready (PR) Finisher

Purpose	The Production Ready Finisher is an output device that can perform up to 100-sheets stapling and up to 3,000 sheets stacking. Additionally, optional C/Z-fold/three-fold, punch, and cover paper insertion modules may be added. The Production Ready Finisher has an optional interposer (Tray T1 or 8 depending on your product) that feeds cover paper to the finisher for stapled sets. Other than the Top Tray, the Production Ready Finisher does not support the full paper weight range that can be printed on the press. Refer to Production Ready Finisher Specifications for details on the media that is supported.
Top Tray	
Capacity	Maximum 500 sheets of uncoated media 52-80 gsm Maximum height 2.64in / 67mm
Min/Max Sheet Size	Top Tray Minimum sheet size: 98mm x 146mm (SEF) Top Tray Maximum sheet size: 660mm to 1,200mm
Offset Limitation	Sheets > 12x18in or SRA3 cannot be offset
Stacker Tray	
Capacity	A4 / 8.5x11: Maximum 3,000 sheets for Uncoated 52-80gsm, max stack height 14.88in / 378mm for uncoated >80gsm or coated media All other sizes/weights/media types: Maximum 1,500 sheets for uncoated 52-80gsm, max stack height 7.09in / 180mm
Min/Max Sheet Size	Stacker Tray minimum sheet size: 148mm x 146mm (LEF) Stacker Tray maximum sheet size: 330.2mm x 488mm
Limitations	Sheets > 12x18in or SRA3 cannot be offsets Max Permitted is 400gsm

Staple Capacity by weight and paper finish

Paper type and weight (in gsm)	A4 or Letter Sized Stock		Smaller ***OR*** larger than A4 / Letter Sized Stock	
	Uncoated	Coated	Uncoated	Coated
52-90	100	35	65	35
91-105	50	30	50	30
106-128	50	30	45	30
129-256	20	20	20	20
257-350	10	10	10	10

Inserter

Purpose	The Production Ready Finisher has an optional Inserter (also called a Post-Process Inserter), used to insert preprinted stock into finished sets without having to go through the engine. This tray, on the Press Control Panel is called Tray T1 (on some products it is Tray 8).
Capacity	Maximum 250 sheets for uncoated 52-80 gsm media Maximum capacity height 0.87in / 22mm
Min/Max Sheet Size	Inserter minimum sheet size: 182mm x 148mm (LEF) Inserter maximum sheet size: 330.2mm x 488mm
Limitations	Labels, coated media, and envelopes are not supported. Coated media capacity is not guaranteed * Max Permitted is 400gsm

Hole Punch

Purpose	The Production Ready Finisher offers Hole Punching as an optional feature.
Details	Holes are created on the trail edge of the sheet. Hole punch capacity is equal to the regular capacity of the chosen output tray. For the USA, 2- and 3-hole punching is available; for Europe, 2- and 4- hole punch is available. Stacks can be punched on the left or right side, or on the top edge.
Media weight	Supports coated and uncoated media 52-220 gsm

Hole Punch Capacity by weight and paper finish

Paper type and weight		Paper Size			
		B5	A4 / 8.5 x 11 in	B4 / 8.5 x 14 in	A3 / 11 x 17 in
Uncoated	52-220 gsm	Applicable	Applicable	Applicable	Applicable
Coated	52-200 gsm	Applicable	Applicable	Applicable	Applicable

Min/Max Sheet Size	Punch minimum sheet size	2 hole (LEF): 203.2mm x 182mm 3 hole (LEF): 254mm x 182mm 4 hole (LEF): 267mm x 182mm
	Punch maximum sheet size: 297mm x 431.8mm	

Production Ready Finisher Limitations/Caveats	• Productivity may be reduced by up to 50% when running multiple sets of a single sheet job to the Stacker Tray, due to the press being forced to wait while each single sheet set is ejected to the Stacker Tray. • Lightweight coated stocks may exhibit subtle gloss marking due to rollers. This may be more visible with high area coverage. • Stacking multiple finished sized jobs will reduce the stack capacity.

Production Ready (PR) Booklet Maker Finisher

Purpose	The Production Ready Booklet Maker Finisher is a separate configuration that adds basic booklet making capability to all the same features as the Production Ready Finisher. The Production Ready Booklet Maker Finisher includes: • Stapler • Top Tray • Stacker Tray • Booklet Unit capable of saddle stapling and bi-folding
Production Ready Booklet Maker Finisher Limitations/Caveats	• Hole punching is not available to the Booklet Tray • The Production Ready Booklet Maker Finisher is designed for a limited amount of booklet production per month. High volumes of booklet production will cause significantly higher shut down rates and service calls resulting in higher system downtime. If high booklet volumes are required, it is

	recommended to utilize a third-party booklet maker solution designed to handle higher volume booklet production.

Production Ready Finisher Booklet Capacity by weight and paper finish

Paper type and weight	Paper Finish	
	Uncoated	Coated
60-80 gsm	30	-
81-90 gsm	30	25
91-105 gsm	20	20
106-128 gsm	15	15
129-176 gsm	10	10
177-220 gsm	5	5
221-256 gsm	4	4
257-350 gsm	3	3

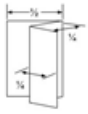
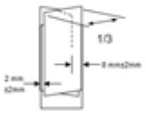
Bi-Fold (Single Fold) Capability

Fold Accuracy of Bi-Fold (Lead and Side Edges)	Fold accuracy (lead and side edge): ≤2.5 mm Bi-Fold: 1 sheet/set
Min/Max Sheet Size	Minimum Bifold Sheet Size: 182 x 257mm Maximum Bifold Sheet Size: 330.2 x 488mm
Booklet Marker Finisher Limitations/Caveats	• Productivity may be reduced by up to 50% when running multiple sets of a single sheet job to the Stacker Tray. • Higher jam rates may occur running 300 gsm and above, tabloid sheets to the Booklet Maker. • After cancelling a job sent to the Booklet Maker, empty the purge tray before submitting another print job to ensure that purged sheets are not inadvertently inserted into the next booklet printed.

C-Z Folder

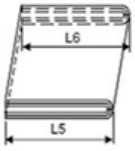
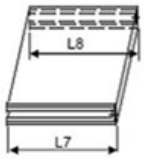
Purpose	The C/Z Folder unit produces Tri-C fold, Z-fold, and Z-Fold half-sheet.
Configuration	The C/Z Folder is available with these finishing devices: • Production Ready Finisher • Production Ready Booklet Maker Finisher • Production Ready Finisher Plus
Tray Capacity	The C/Z folding tray accommodates 30 sheets of up to 24 lb. (64-90 gsm) uncoated media
Media Size	Supported Paper size is 8.5 x 11 in (A4) to the bottom tray; 11 x 17 in (B4 and A3) to the top tray

Fold types, accuracy, and supported paper sizes are shown in the following table:

Z-Fold Half-Sheet Also known as: Engineering Z-Fold Accordion Fold Accordion Fold-out		Produces folded output ½ size of original: B4 -> B5 A3 -> A4 11 x 17 in -> 8½ x 11 in
C-Fold Also known as: Letter Fold Tri-fold Envelope Fold		Produces folded output 1/3 size of original. For stock sizes: A4**, 8½ x 11 in ** ** Delivered to Envelope Folder Tray
Z-Fold Also known as: Accordion Fold Concordia Fold		Produces folded output 1/3 size of original. For stock sizes: A4**, 8½ x 11 in ** ** Delivered to Envelope Folder Tray

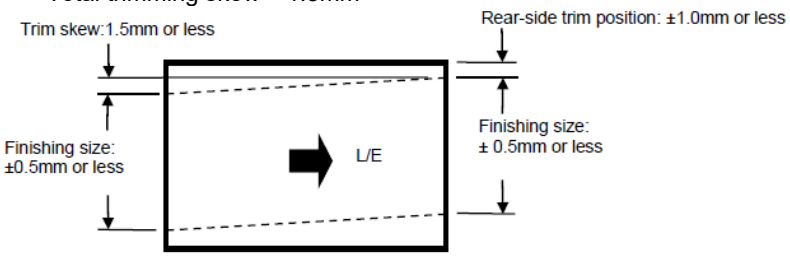
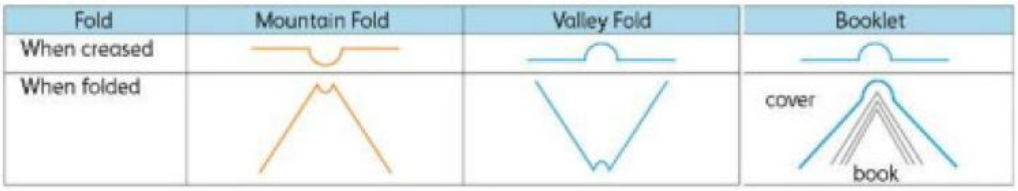
SquareFold Trimmer Module

Purpose	Optional finishing device that flattens the spine of a booklet and performs face trim of the booklet. The SquareFold Trimmer Module is also able to face-trim without square-folding
Configuration	Available with the Production Ready Booklet Maker Finisher only All output from the Production Ready Booklet Maker Finisher can be passed through, square-folded,

	trimmed, or both squared-folded and trimmed, including custom sizes from 194x257mm – 330x488mm (SEF Letter through 13 x 18 in).	
HCS Specifications	Feature	Specification (with centerline paper)
	Paper Types and Weights	52-350 gsm, Coated and Uncoated (18 lb. Bond - 130 lb Cover)
	Paper Size	Minimum: 8.5 x 11 in SEF (216 mm x 279 mm) Maximum: 13 x 18 in SEF (330 mm x 457 mm)
	Booklet Receiving Tray Capacity	20 booklets
	Trim Dimensions	2 mm-20 mm, adjustable in 0.1 mm increments
Auto Recognition	When the SquareFold Trimmer Module is docked to the Production Ready Booklet Maker Finisher via cable, the finisher automatically recognizes that the SquareFold Trimmer is installed.	
Booklet Size	Square-folding/trimming of non-stapled sets and square-folding of 4 or less sheets in a set are outside the specification and cannot be assured. Jams may occur frequently, or wrinkles may occur on the square-folded side of paper.	
Caveats	• When performing a face-trim of thicker booklets, the trimmed pieces of paper may not clear properly and result in jams, sensor errors, or other issues. • When creating a full-bleed booklet using both the Squarefold Trimmer and the Crease and Two Sided Trimmer together, face trim skew may be more obvious due to the contrast of imaged area on the cover next to white paper on the body stock. • Thicker square fold booklets may cause the default staple location to be misaligned. Booklet quality can be optimized by centering the staple position in the center of the square fold area OR by moving the staple position such that it is outside of the square fold area. • Thicker booklets may show a beveled or slanted trim at the default face trim setting of 2mm. This can be avoided by increasing this value at the DFE. • Face-trimming of specialty stocks such as scored or perforated stocks may show an increased amount of variation during a print run. • Tall and narrow booklets may exhibit more variation of face trimming during a print run. • It is not recommended or required to combine the creasing function of the Crease and Two-Sided trimmer module with the squarefold function.	
SquareFold Trimmer Skew Specification		
Booklet + trimming	Measure both sides of the bottom sheet when the booklet is output.  Staple: |L5-L6| ≤ 2 mm (Achievement rate: 95th percentile* within run) Bi-Fold/Non-staple: |L5-L6| ≤ 3 mm (Achievement rate: 95th percentile within run)	
Booklet + trimming + square-folding	Measure both sides of the bottom sheet when the booklet is output.  Staple: |L7-L8| ≤ 2.5 mm (Achievement rate: 95th percentile* within run) Performance is not guaranteed at Bi-Fold/Non-staple.	
*Note: face- trim skews beyond the 95th percentile may be as high as 5mm within run.		

Crease and Two-Sided Trimmer Module

Purpose	The Crease and Two-Sided Trimmer is an optional finishing device that trims the top and bottom of a booklet. It also has a buffering function which can improve the productivity of booklet making with the Production Ready Booklet Maker Finisher for certain stock weights.
Trim Range (per side)	Minimum Trim: 6mm Maximum Trim: 25mm
Page Width	Minimum Width: • Paper input: 194mm • Booklet output: 108.5mm Maximum Width:

	• Paper input: 330mm • Booklet output: 242mm
Page Length	Minimum Length: 257mm • Paper input: 210 mm (Two-sided sheet trim), 257 mm (Two-sided booklet trim) • Booklet output: 182mm Maximum Length: • Paper input: 488mm • Booklet output: 318mm
Max / Min Inputs	Minimum Input Paper Size = 194mm x 210mm (2 sided sheet trim) or 257mm (2 sided booklet trim) Maximum Input Paper Size = 330mm x 488mm
Max / Min Booklet Outputs	Minimum Booklet Output Size = 108.5mm x 182mm Maximum Booklet Output Size = 242mm x 318mm
Stock Weights	Uncoated: Weight Range: 52gsm – 350gsm Coated: Weight Range*: 52gsm – 350gsm **Coated stocks between 52 and 105gsm can be trimmed however performance is not guaranteed.*
Crease and Two Sided Trimmer Skew Specification	
Booklet + trimming	• Accuracy of the "rear side" (i.e. back of the machine) trim position ≤ +/- 1.0mm against target trim value on paper leading edge. • Finished size ≤ +/- 0.5mm • Total trimming skew ≤ 1.5mm 
Creasing Function	
Booklet Crease (for adding crease to booklets made with PR Booklet Maker)	Paper Size: • 182 x 210mm → 330 x 488mm • 7.17 x 8.27in → 13 x 19.2in Paper Weight: • Uncoated: 52-350gsm • Coated: 106-350gsm
Custom Crease (for offline folds)	Creases: Up to 5 creases (depending on sheet size) Paper Size: 182 x 210mm → 330 x 488mm / 7.17 x 8.27in → 13 x 19.2in
Crease Directions	
Limitations	• Lightweight stocks may jam when creasing is within 62mm of the lead edge. • Creasing of mixed media booklets (heavier weight cover vs. body of booklet) is not possible • Setting 2-sided trim at the minimum 6mm may show damage on the trimmed edge. This may be avoided by applying trimming at 7mm or more. • Creasing on booklets reduces toner cracking at folds. However, effectiveness is dependent on media characteristics (stiffness, grain, etc.). • Creasing on booklets will apply to the first and the last sheets of the booklet. • For custom creases, productivity depends on the number of creases applied (i.e. 1 crease is faster than 2 creases, etc.) • Creasing Margins: • Lead Edge: Must be at least 45mm from the lead edge of the sheet. Creasing between 45 and 62mm from the lead edge may cause a paper jam. • Trail Edge: Must be at least 12mm from the trail edge of the sheet.

- When creasing and trimming the same sheet, the maximum number of creases will be reduced to 3 if the length of the paper is shorter than 279mm or longer than 450mm.
- The creasing function cannot be applied to C-Fold and Z-fold produced from the C/Z Folder option.
- Minimum distance between custom creases:
- Lead edge – 1st crease or last crease to trail edge: 12mm
- Min distance between other creases: 25mm

Production Ready (PR) Finisher Functional Combinations

The following tables show the possible combination of functions and output locations for the Production Ready Finisher.

Function/ Combination of Functions	Function											Output Location						
	Staple	Offset	Booklet	Z-Fold	C/Z Envelope size	Punch	Inserter	Square Fold Trim	Two-Sided Trim	Crease	GBC® Punch	Adv. High Cap. Stacker - Top Tray	Adv. High Cap. Stacker - Stacker	PR Finisher - Top Tray	PR Finisher - Stacker Tray	PR Fini Sq. Fold Trim- Booklet Tray	C/Z Envelope Fold Tray	PR Finisher Plus Output
Staple	-	Y	N	Y	N	Y	Y	N	N	N	N	-	-	N	Y	N	N	N
Offset	-	-	N	Y	N	Y	Y	N	N	N	Y	-	-	N	Y	N	N	N
Booklet	-	-	-	N	N	N	Y	Y	Y	Y	N	-	-	Y	N	Y	N	N
Z-Fold	-	-	-	-	N	Y	Y	N	N	N	N	-	-	Y	Y	N	N	N
Envelope size C/Z	-	-	-	-	-	N	Y	N	N	N	N	-	-	N	N	N	Y	N
Punch	-	-	-	-	-	-	Y	N	Y	Y	N	-	-	Y	Y	N	N	N
Inserter	-	-	-	-	-	-	-	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Square Fold Trim	-	-	-	-	-	-	-	-	Y	Y	N	-	-	N	N	Y*	N	N
Two Sided Trim	-	-	-	-	-	-	-	-	-	Y	N	-	-	Y	N	Y	N	Y
Crease	-	-	-	-	-	-	-	-	-	-	N	-	-	Y	N	Y *	N	Y
GBC® Punch	-	-	-	-	-	-	-	-	-	-	-	Y	Y	Y	Y	N	N	Y
Staple + Punch	-	Y	N	Y	N	-	Y	N	N	N	N	-	-	N	Y	N	N	N
Staple + Z Fold	-	Y	N	-	N	Y	Y	N	N	N	N	-	-	N	Y	N	N	N
Staple + Inserter	-	Y	N	Y	N	Y	_	N	N	N	N	-	-	N	Y	N	N	N
Punch + Z Fold	Y	Y	N	-	N	-	Y	N	N	N	N	-	-	Y	Y	N	N	N
Punch + Inserter	Y	Y	N	Y	N	-	-	N	Y	N	N	-	-	Y	Y	N	N	N
Inserter + Z Fold	Y	Y	N	-	N	Y	-	N	N	N	N	-	-	Y	Y	N	N	N
Inserter + Booklet	N	N	-	N	N	N	-	Y	Y	N	N	-	-	Y	N	Y	N	N
Inserter + Crease and Two Sided Trim	N	N	Y	N	N	N	-	Y	-	-	N	-	-	Y	N	Y	N	Y
Inserter + GBC® Punch	N	N	N	N	N	N	-	N	N	N	-	Y	Y	Y	Y	N	N	Y
Booklet + Square Fold Trim	N	N	-	N	N	N	Y	-	Y	Y	N	-	-	N	N	Y*	N	N
Booklet + Two Sided Trim	N	N	-	N	N	N	Y	Y	-	-	N	-	-	N	N	Y*	N	N

Production Ready (PR) Finisher Plus

Purpose	The Production Ready Finisher Plus adds a Finishing Transport module which enables connection to available third-party finishing solutions. The Production Ready Finisher Plus provides the same functions as the Production Ready Finisher, although Stacker Tray capacity is reduced from 3,000 sheets to a maximum of 2,000 sheets.
Configuration	A Production Ready Finisher cannot be upgraded to a Production Ready Finisher Plus
Top Tray	Specifications are the **same** as the Production Ready Finisher.
Stacker Tracy Capacity	A4/8.5x11: Maximum 2,000 sheets 52-80gsm uncoated; Other weights max height 14.88in / 378mm All other sizes/weights/media types: Maximum 1,500 sheets 52-80 gsm uncoated, max stack height 7.09in / 180mm
Limitations	Sheets > 12x18in or SRA3 cannot be offset Max Permitted is 400gsm
Stapling	Specifications are the **same** as the Production Ready Finisher.
Inserter	Specifications are the **same** as the Production Ready Finisher.
Hole Punch	Specifications are the **same** as the Production Ready Finisher.

Business Ready (BR) Finisher 2.0

Purpose	The Business Ready Finisher 2.0 includes Multi-position Stapling & Hole Punch	
BR Finisher Specifications	Feature	Specification (with centerline paper)
	Top Tray Capacity	500 sheets of 8.5”x11” / A4, 20lb bond / 80 gsm uncoated paper. Accommodates up to 13”x19”/SRA3 size at 52-400 gsm.
	Stacker Tray Capacity	3,000 sheets of 8.5”x11” / A4, 20lb bond / 80 gsm uncoated paper. Accommodates up to 13”x19”/SRA3 size at 52-400 gsm.
	Paper weights	16 lb Bond to 150 lb Cover / 52 to 400 gsm
	Minimum Paper Size	Top Tray minimum sheet size: 105 x 148 mm (4.1 x 5.8 in) Stacker Tray minimum sheet size: 215.9 x 279.4 mm (8.5 x 11 in.)
	Maximum Paper Size	SRA3 (13 x 19.2)
	Stapling	Up to 50 sheets uncoated / 15 sheets coated Quad stitch available through EX-Li/EX print servers.
	Hole Punching	NA – 2-3 hole punch Europe – 2-4 hole punch
Limitations	Heavier weight stocks will result in reduced output tray capacity System performance not guaranteed on media 300+ gsm	

Business Ready (BR) Booklet Maker Finisher 2.0

Purpose	The Business Ready Booklet Maker Finisher 2.0 includes: • Multi-position Stapling • Hole Punch • Bi-fold • Booklet Maker • Saddle stitching Short Edge Feed (SED)	
BR Booklet Maker Finisher Specifications	Feature	Specification (with centerline paper)
	Top Tray Capacity	500 sheets of 8.5”x11” / A4, 20lb bond / 80 gsm uncoated paper. Accommodates up to 13”x19”/SRA3 size at 52-400 gsm.
	Stacker Tray Capacity	1,500 sheets of 8.5”x11” / A4, 20lb bond / 80 gsm uncoated paper. Accommodates up to 13”x19”/SRA3 size at 64-220 gsm.
	Paper weights	16 lb Bond to 130 lb Cover / 64 to 350* gsm
	Minimum Paper Size	Top Tray minimum sheet size: 105 x 148 mm (4.1 x 5.8 in) Stacker Tray minimum sheet size: 215.9 x 279.4 mm (8.5 x 11 in.)
	Maximum Paper Size	SRA3 (13 x 19.2)
	Stapling	Up to 50 sheets uncoated / 15 sheets coated Quad stitch available through EX-Li/EX print servers.

	Hole Punching	NA: 2 – 3 hole punch Europe: 2 – 4 hole punch
	Booklet Maker Capacity	Up to 20 sets of a maximum of 16 stapled sheets and maximum size of 13 x 18 / SRA3. Coated /uncoated stocks 106-176 gsm up to 7 sheets Uncoated stock 177-220 gsm up to 5 sheets.
	Saddle Stapling	Supports sheet sizes from 182mm x 257mm to 330.2mm x 457.2mm

Paper Weight (gsm)	Number of sheets that can be stapled – UNCOATED	Number of sheets that can be stapled - COATED
52 – 90	20	
91 – 105	7	-
106 – 176	7	7
177 – 220	5	5
221 – 300	3	3

	Bi-Fold	Unstapled sets of up to 5 sheets on 64-220 gsm media.
BR Booklet Maker Finisher Limitations	• Offsetting is not enabled in Top Tray for paperweights above 350gsm or larger than 11” x 17” / A3. • Offsetting not enabled in Stack Tray for paperweights above 350gsm or larger than 11” x 17” / A3 • Dual Staple 11x17/A3 SEF coated and uncoated stock is supported • Hole punch capacity is equal to the regular capacity of the chosen output tray. For the US, 2- and 3-hole punching is available; for Europe, 2- and 4- hole punch is available. Stacks can be punched on the left or right side, or on the top edge. If hole punching fails, ensure that the punch waste container is empty before calling for service. • Stapled booklets are limited to 16 sheets of uncoated 90gsm or 7 sheets of coated 106-176gsm. • The misregistration fold of a stapled booklet will not exceed 2.3mm for 95% of output. • For heavyweight media over 350 gsm, paper blockage can occur in Output Exit Area while performing print jobs.	

Plockmatic® MPS XL (Multi-Purpose Stacker Extra Long)

Purpose	The Plockmatic® MPS XL Stacker enables stacking of long banner sheets up to 1300 mm / 51.2”

Specifications	• Stacks media sizes from A4 / Letter up to 330 mm x 1300 mm /13" x 51.2"
	• Supports media weights:
	  ○ 80–400 gsm (up to 457 mm / 18" long)
	  ○ 120–400 gsm (up to 700 mm / 27.6" long)
	  ○ 150–400 gsm (up to 1300 mm / 51.2" long)
	• Maximum load: 40 kg (88.2 lbs)
	• Maximum stack height:
	  ○ 715 mm / 28.1" for sheets up to 330 mm / 13" long
	  ○ 140 mm / 5.5" for sheets longer than 715 mm / 28.1"

Other Third Party Finishing Options

Available Options	Third-Party Finishing devices that can be connected to the Production Ready Finisher Plus include: • Plockmatic® Pro450e/Pro435e Booklet Maker • GBC® e-Wire • GBC AdvancedLam Pro
Specifications	Specifications and expectations for these devices are available in a Solutions Planning Guide which is available from your Xerox® sales representative or analyst. For Xerox® personnel, information may be found at http://www.smartcentre.xerox.com/Portal/

Optional Fifth Housing for Specialty Dry Inks

Fifth Color Specialty Dry Inks (SDI)	
SDI Options	• Clear • Low Gloss Clear • Fluorescent Pink
Configuration	The fifth color SDI is only available in the overlay position.
Changing Colors	Customers can change between SDIs without requiring support from a service representative. The process to change is provided in the customer documentation and is available at the following link: https://www.youtube.com/playlist?list=PLDrIHH8CnE16V_0qmXpVhFafrrthh4Ju_
SDI Purchase	Specialty Dry Inks are not available as part of a “metered” plan. Customers will purchase Specialty Dry Inks as needed based on their usage.
Caveats/Conditions	• Productivity reduces to maximum 40 ppm when printing with SDIs • Max total area coverage is 240% CMYK with 100% area coverage capability for all SDIs • Gamut extension is only available with Pink • When blending Pink with CMYK, the Pink SDI has reduced fluorescence • Clear SDIs requires custom paper settings as described in the User Guide • Manual multi-pass is available only with the EX DFE but may alter color rendition • Multi-pass with Pink does not increase fluorescence of Pink • Fluorescence on Pink prints will vary based on storage conditions and exposure to UV. Pink lightfastness is approximately 8 days behind window glass and 6 months with indirect indoor light. • Shelf life expectancy of the specialty toners is approximately 30 months when stored in normal indoor conditions and less than 35 degrees Celsius. • While SDI jobs are being run, a small amount of SDI may be used for system diagnostics beyond what is used for the job.

Media and Substrate

Media Selection Guidelines and Media Support	
Media Type	Proficio PX300 Press Centerline Paper
Uncoated Paper	North America – Xerox Bold™ Digital Printing Paper, 24 lb Bond, 90gsm Europe – Xerox Colotech+ 90gsm
Coated Paper	North America - Billerud Sterling Premium Digital, Gloss Coated, 80 lb Text, 118gsm Europe - Xerox Colotech+ Gloss Coated 130 gsm
Every effort has been made to ensure that the Press supports a broad range of media. Using only Xerox®-recommended media helps maximize reliability and paper-handling performance. Furthermore, use of the Centerline papers is recommended to help ensure that you receive the best image quality from your Press.	

Use of Unqualified Media:

- Usage of unqualified or non-recommended media that is found to cause damage to the device, increased maintenance, and/or increased service costs, is not covered under the standard Full Service Maintenance Agreement. Media usage can be managed by moving to a comparable paper with better performance recommended by Xerox®; otherwise, continued use could result in billable Xerox® service activity at current T&M rates.
- Typically, heavy weight papers exhibit increased variability of formation and surface smoothness, which may result in degraded image quality.
- Manufacturers of coated stock do not recommend use of their media when the ambient relative humidity exceeds 60%. Relative humidity greater than 40% may increase the misfeed rate from Trays 1, 2, 3 and 5 (Bypass).

- All paper stretches to a certain extent during printing. The amount of stretch is dependent on paper type and environmental conditions. Stretch is most noticeable on coated stocks. This stretch can affect front-to-back image registration. Use the Alignment Profiles feature with the SIQA tool to minimize this effect.
- Image registration, image quality (for example white spots), and machine reliability can be adversely affected when custom-cut paper is inaccurately cut, is of poor quality, or loose paper fibers are present on the cut edges.
- Image registration, image quality (for example white spots), jam frequency and machine reliability can be adversely affected when punched or drilled paper is of poor quality and/or loose hole plugs are present in the ream.
- For further information and recommendations regarding media testing, selections, and handling, refer to the Tested Substrate List (TSL) available from your Xerox® representative.

Press Output and Other Equipment

- The Press output (prints) should not be run through the printing path of Nuvera® or DocuTech® Production Publishing systems. However, the prints can be used with the Interposer module.
- Nuvera, DocuTech, and other technology output, including preprinted offset shells, should not be run though the printing path of a Proficio PX300 Press.
- If you plan to run the Press output through other equipment, including finishing devices such as a coater or laminator, it is recommended you test the application before committing to the job. Many factors impact the success of running the Press output in other equipment.

Duplex Printing (2-Sided Prints)

- Automatic duplex printing can be performed on recommended media up to 13 x 34 in (330.2 x 864 mm). For Media less than 19.2 in (488 mm) max duplex weight range from 52-350 gsm. For media length greater than 19.2 in (488 mm) max duplex weight = 220gsm.
  - If feeding from Advanced High Capacity Feeder MSI (Single or Dual), max duplex length = 26 in (660 mm)
  - If feeding from IOT w/MSI only, max duplex length = 34 in (864 mm)
  - If feeding from High Capacity XLS Vacuum Feeder (Single or Dual) XLS top tray, max duplex length = 34 in (864 mm)
- Manual duplex can also be performed on recommended media up to 13 x 51.2 in (330.2 x 1300 mm) based on the below configuration:
  - If feeding from Advanced High Capacity Feeder MSI (Single or Dual), max manual duplex length = 26 in (660 mm)
  - If feeding from IOT w/MSI only, max duplex length = 51.2 in (1300 mm)
  - If feeding from the High Capacity XLS Vacuum Feeder (Single or Dual) XLS top tray, max duplex length = 51.2 in (1300 mm)
- As with any printer or copier, duplex performance may not match the performance for single-sided printing or copying. Paper jam rates may be higher than the rate you will experience for the same throughput material in single-sided mode.
- In order to reduce paper jam frequency when duplex printing on stocks heavier than 220 gsm (80 lb. Cover), paper grain should be perpendicular to the print process direction (i.e. Short Grain).

Transparencies

- For optimum system performance and image projection, use Xerox® removable stripe transparency materials. These premium transparencies are specifically designed to provide optimum print quality. Use of other transparencies may cause machine damage and result in excessive service calls.
- Due to the increased thickness of the removable stripe, no more than 100 transparencies should be loaded in a paper tray at one time. The maximum output stack height should not exceed 100 transparencies.

Envelopes

Envelopes can be fed from multiple trays on the Proficio system, with envelope size dependent upon the minimum and maximum size allowed by the tray. The size of the envelope will also dictate the feed direction within the tray – either Short Edge Feed (SEF) or Long Edge Feed (LEF).

Envelopes can be fed from the following trays:

- Bypass Tray/ MSI (Tray 5) – recommended capacity 30-40 envelopes*
- Optional Feeders (Trays 6 or 7) – recommended capacity less than 100 envelopes*
  - 1 Tray Oversized High Capacity Feeder
  - Advanced High Capacity Feeder

- 2-Tray Oversized High Capacity Vacuum Feeder
- High Capacity XLS Vacuum Feeder

* Capacity may vary based on envelope type, weight and manufacturer.

- Optional Envelope Kits are available to improve feeding performance from optional feeders, particularly for large size envelopes.

Envelope Guidelines and Limitations

- Envelopes must be run simplex only.
- Always load envelopes with the flaps closed and faced down.
- When loading SEF, place flaps facing the front of the press; When loading LEF, place flaps facing the lead edge.
- When submitting your print file, select a custom paper as the Paper Type and enter the dimensions of the envelope. Width is measured from lead edge to trail edge of the envelope: if loading envelopes SEF, enter the long dimension of the envelope as the Width; if loading envelopes LEF, enter the short dimension of the envelope as the Width.
- Enter an estimated weight based on the approximate weight of the envelope media - for example for standard weight envelopes use 176 gsm or greater.
- Do not use padded envelopes.
- Store unused envelopes in their original packaging to avoid the excess moisture or dryness which can affect print quality, cause wrinkling, or cause the envelopes to seal before or during printing.
- Greater image registration variance may be experienced on envelopes.
- Envelopes can only be output to the Offset Catch Tray (OCT) or the top trays of the Production Ready Finisher or High Capacity Stacker. Timely removal of the envelopes after printing is recommended to minimize poor stack quality and possible jams.

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Extra Long Sheets (longer than 19.2 in. / 488 mm)

Configurations

- Extra Long Sheets longer than 19.2 in./ 488 mm can only be fed from the following locations:
  - Optional High Capacity XLS Vacuum feeder – Tray 6 on single configuration & Tray 8 on dual configuration.
  - Bypass Tray (also called Tray 5)
  - Multi-Sheet Inserter (MSI) on the optional HCF or OHCF feeders. Up to 26”
- Extra Long Sheets can only be output to the following locations:
  - Offset Catch Tray (OCT). Stacking capacity and quality is not guaranteed.
  - Top tray of the High Capacity Stacker, Production Ready Finisher, Production Ready Booklet Maker Finisher, or Production Ready Finisher Plus. Stacking capacity and quality is not guaranteed.
  - Plockmatic® MPS XL (Multi-Purpose Stacker Extra Long)
- Sheets greater than 488mm cannot be stapled, punched, folded, trimmed or any other finishing option including any other 3rd party DFA finishers.

Media Handling

- Auto-duplex is possible for sheet sizes up to 864mm / 34”. Simplex printing is possible up to 1300 mm / 51.2”
- Print speeds are reduced for Extra Long Sheets. Please refer to the System Productivity section for more information.
- Media range is 52-400 for uncoated media, and 52-400 for coated media.

Caveats

- When running long sheets, paper jams may span multiple modules within the engine and therefore may be more difficult to clear.
- When printing from the MSI, multi-feeds may occur when printing on coated media. Sheets may be fed individually to prevent this. It is recommended to feed XLS media from the XLS tray in the High Capacity XLS Vacuum feeder.
- Registration performance is not guaranteed on sheets greater than 488mm. Any registration specifications cited in the Proficio PX300 CEIG do not apply to > 488mm sheets.
- More image quality adjustments during run-time are likely.
- Any machine problems identified when running >488mm sheets should be re-evaluated when running the same stock at less than 488mm. The user should validate that the problem persists on <488mm stock before calling for service.
- Use of the XLS printing feature that is outside of the scope of the products’ intended use is the sole responsibility of the customer.
- Stock type, coating, quality of how it was cut to size, etc. have a large impact on performance. If problems occur running a given stock, alternate stocks should be attempted to evaluate whether performance improves.
- When cutting larger paper down to XLS format, stocks should be cut for short grain in the paper feed direction when possible.

Maintenance and Support

Support Services

CUSTOMER SUPPORT

Xerox Customer Support Centers are available to provide general information, answer questions, and take service calls. You can reach the Customer Support Center at the following toll-free phone numbers:

TECHNICAL SUPPORT CONTACT INFORMATION			
GEOGRAPHY	COUNTRY	PHONE WITHIN COUNTRY	PHONE OUTSIDE COUNTRY
America	US	1-800-821-2797	
	Canada	1-800 ASK XEROX (1- 800 275 9376)	
	Mexico	800 0093769	
	Brazil	08009793769/70	
EMEA Western Europe	Austria	01 207 9000	+43 (0) 1 207 9000
	Belgium – speaking	2 713 14 52 – French	+32 2 713 14 52 – French
		2 713 14 52 – Flemish	+32 2 713 14 52 – Flemish
	France	0825 012 013	+33 (0)825 012 013
	Germany	69999915632	+49 (0)69999915632
	Italy	02 999 53 428	+39 02 999 53 428
	Luxembourg –	2 713 14 52 – French	+32 2 713 14 52 – French
	speaking	2 713 14 53 – Dutch	+32 2 713 14 53 – Dutch
	Netherland	0 20 6563620	+31 (0)20 6563620
	Portugal	707 200 578	+351 707 200 578
	Spain	915203346	+34 915203346
	Switzerland	043 299 90 01 – French	+4143 299 90 01 – French
		043 299 90 00 – German	+4143 299 90 00 – Dutch
		043 299 90 02 – Italian	+4143 299 90 02 – Italian
	Denmark	70107288	+45 70107288
	Sweden	771178808	+46 771178808
	Finland	969379666	+358 969379666

Professional Support Services

Xerox® offers a rich set of value-added services designed to help you plan, implement, and operate your solution in addition to migrate and build your key applications, analyze and optimize your workflow. Your local sales representative and analyst can discuss and demonstrate to you that their professional services can make your business more effective. Professional services are billable by the hour and/or job-based depending on the geographic region.

SUPPLIES AND CONSUMABLES

Xerox® supplies for your machine, including paper and CRUs, can be ordered from Xerox® by going to www.xerox.com and clicking on either the Contact link for specific contact information/telephone numbers in your area or by clicking on the Supplies link and entering/selecting your specific machine information (product family and model type).

NOTE: Always refer to www.xerox.com for the latest Customer Replaceable Units (CRUs) part numbers.

It may be helpful to know the press serial number before calling for support. The press serial number can be accessed either by locating the serial number plate on the inside frame of Tray 1, or by accessing the Press Control Panel:

- Press the Machine Status button.
- From the Machine Status screen, ensure that the Machine Information tab is displayed.
- The press serial number is displayed under General Information.

The consumable supplies designed for this printer are engineered specifically for use in this product and provide the highest and most consistent image quality, maximum productivity, and up time. These consumable supplies are designed with several replaceable units, which are replaced as needed by Xerox® customer service engineers for Engineering Replaceable Units (ERUs) and by customers for CRUs

Recommended Supplies

Item	Reorder Number			Units per Carton	Yield
	WW Metered	WH / XE Sold	DMO Sold		
Toner:					
Black[1]	006R04966	006R04970	006R04974	1	20.5K A4 at 7.5% AC
Cyan[1]	006R04967	006R04971	006R04975	1	23K A4 at 7.5% AC
Yellow[1]	006R04968	006R04972	006R04976	1	23K A4 at 7.5% AC
Magenta[1]	006R04969	006R04973	006R04977	1	23K A4 at 7.5% AC
SDIs:					
Pink		006R04978			20K A4 at 7.5% AC
Clear		006R04979			22.5K A4 at 7.5% AC
Low Gloss Clear		006R04980			22.5K A4 at 7.5% AC
Drum Cartridge[2]		013R00704		1	190K
Toner Waste Bottle		008R08160		1	50K
Suction Filter		008R13175		1	200K
Staple Refills:					
Production Ready (PR) Finisher		008R13041		4 refills	5K per refill (20K total)
PR Booklet Maker Finisher Business Ready Finisher 2.0 BR Booklet Maker Finisher 2.0 Convenience Stapler		008R12941		3 refills	5K per refill (15K total)
Staple Cartridge:					
PR Booklet Maker Finisher BR Booklet Maker Finisher 2.0		008R13177		1	5K
BR Finisher 2.0 Convenience Stapler		008R12964		1	5K
Feed Roll Kits					
Advanced HCF Feed Roll Kit		008R13169		1	500K
1 Tray OHCF Tray Feed Roll Kit		008R13195		1	300K
MSI Feed Roll Kit		008R13196		1	300K

1. The toner yield projections are based on the indicated area coverage at standardized conditions on 8.5 in x 11 in/A4 Proficio PX300 Press centerline paper. Please note that actual yields vary greatly depending on color intensity, area coverage, paper stock, and mode selected.
2. Drum Cartridge yield noted above is an estimate based on running 8.5 x 11 in/A4 images with a job length of 35 pages. Drum cartridge life is based on the number of drum rotations, so yield in images can vary significantly based on the job lengths run, with short jobs having lower yields due to more cycle-up/cycle-down drum rotations between jobs (for example if running job lengths of 5 pages, yield can be reduced 50%). Drum yield can also be impacted by higher usage of sheets larger than 8.5 x 11 in/A4 size, e.g., 11 x 17 in/A3..

Note – instructions on how to replace these supplies & CRU's can be found in the User Guide.

Initial Supplies

Each Proficio PX300 Press is delivered with an initial supply of Toner and all CRUs: Drum Cartridges, Waste Toner Container, and Staples (if applicable).

To order additional supplies or media (throughput materials), contact the Xerox® Supplies Marketing Center or your local sales and service team for information

DISPOSAL PROCESS AND RECYLCLING

Toner Cartridge Recycling

Empty dry ink containers and waste containers are safe and approved for local recycling with common commercially used plastics. Do not dispose of empty dry ink containers or waste containers in or set them near fire. All waste toner containers include a prepaid return shipping label, plastic bag, and a tie in the box. This is the preferred method of disposal. For more information, refer to the Online Supplies Ordering/Cartridge Recycling Program at www.xerox.com.

Packaging Take-Back Service for Xerox® Branded Products

(United States Only) Whenever possible, Xerox® encourages you to recycle packaging locally as it reduces greenhouse gas emissions associated with transportation. However, if unable to recycle locally, we offer a packaging take-back and recycling service to our customers for Xerox® branded products, where customers pay for the return shipping and Xerox® pays for the recycling. If interested in this service, please send your packaging to: Xerox® Corporation, ESSO – Scrap 6500 State Route 63, Middletown, OH 45044, ATTN: Packaging Returns.

Product Recycling and Disposal

Xerox® operates a worldwide equipment take back and reuse/recycle program. Contact your sales or service representative to determine whether this Xerox® product is part of the program. For more information about Xerox® environmental programs, visit www.xerox.com/environment.

NOTE: This product meets the REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals, and RoHS standards (Restriction of Hazardous Substances) required for products being installed in the European Union.

Operational Considerations

Image Quality Expectations

Image Quality

- As with any printing process, artifacts will occur. These may include banding, streaks, mottle, spots, scratches in the process direction, and more. For most jobs and clients, the expected level of artifacts is within the normal operational and component quality ranges of the system and will not affect the acceptability of the job. Maintenance procedures are available to mitigate these artifacts.
    - Artifacts may occur with more frequency when running heavyweight coated media.
    - Certain jobs may show bands across the sheet when running ~270gsm and heavier media.
    - Edge deletions are most common when duplex printing on heavier (>220 gsm / 85 lb. Cover) stocks and when using the maximum available image area. Deletions can be mitigated by using less than the maximum imageable area, i.e. allowing extra blank space at the lead and trail edges of the paper
- Using products on the Tested Substrate List (TSL) and maintaining your environment will help to minimize the occurrence of these artifacts.
- Color quality perception is subjective and will be affected by ambient lighting conditions.

- The customer is responsible for calibrating the Press. Refer to the Press customer documentation for guidelines.
- Image quality is strongly influenced by paper surface structure, texture, and color. To ensure satisfaction of your customers, key jobs should be printed on the Press using representative paper for review by the customer.
- The surface texture of some uncoated papers may cause increased graininess in halftone areas printed with only black toner. This effect may be minimized by using smooth or coated papers (refer to the Tested Substrate List).
- Sheets in a job may exhibit slight variation in gloss within a page (variation across page in the process direction).
- Prints may exhibit random white spots caused by paper dust, stray developer beads, or other particles. You can reduce the occurrence of white spots by using Xerox® approved paper. If you are cutting your own paper, ensure that cut edges are dust free, and keep the machine in a clean and dust/dirt reduced environment. Failure to do this will result in increased frequency of white spots.
- Xerox® recommends use of the SIQA toolset to improve registration, correct density if inboard-to-outboard density variation is observed, or adjust transfer if mottle is observed on side 1 or side 2.

Printing Expectations

Product Limitations and Caveats

- When printing a large number of one page jobs in a row a 45-310 fault could occur requiring a full system reboot.
- The maximum rated print speed may be affected by job types and job settings. Productivity may be affected by the press cycling down/cycle up within or between jobs, and finishing options that are selected for a particular job.
- Overall productivity may also decline due to the press pausing to make adjustments to maintain consistent image quality. More frequent image quality adjustments and more severe productivity loss may be seen for the following job types:
    - Low area coverage jobs (3% area coverage per color or lower)
    - Mixed media jobs; refer to “Tray Switching and Mixed Media Test Results”
- **NOTE:** Impact to productivity depends on the specific attributes of each job.
- If utilizing the Offset Catch Tray (OCT), overall productivity will decline if offsetting mode is selected. The print engine will pause printing in order to offset between sets and then resume printing. Productivity loss depends on the number of sheets per set with single-page jobs representing the worst case (approximately 50% productivity loss).
- If utilizing the bypass tray directly attached to the press, overall paper length must be aligned for a straight and flat feed entry into the IOT.
- In certain conditions (e.g. high temp., heavy media, high area coverage), printed sheets may stick to each other. In these situations, the operator should select the Ink Setoff Prevention setting to "Always On". This will slightly increase the gap between pages as they are printed, allowing them more time to cool down. Print speed will be slightly reduced as a result. Note that this condition may be more likely when printing to the OCT or BR finisher.
- Tabs or Ordered/Sequenced stock will need to be confirmed by the operator when the printer is powered on and when exiting power save mode. This is done by opening the paper tray, verifying that the first tab or sheet in the series is on top, and then closing the paper tray.
- When printing a 2-sided job that utilizes Tabs, overall productivity will decline because the press must switch between 1-sided mode (for Tabs) and 2-sided mode (for body sheets). The severity of productivity loss depends on the number of Tabs in the job (more Tabs results in greater loss of productivity).
- If the operator changes the Auto Tray Switching from the default Near Empty to Empty the print engine will pause to switch the new tray.
- If the customer network is using a 100.100.100.x IP address series, conflicts will occur.
- Auto Supplies Replenishment (ASR) will not function through XDA clients, only direct connect will enable ASR.
- Stopping or cancelling a job that is utilizing a 3rd party DFA connected finisher while printing may cause some booklets to be incomplete and the user will not be notified of the situation.
- When printing with very lightweight papers, it is strongly recommended to use TSL stocks whenever possible. Failure to do so may result in the output exhibiting wrinkled sheets. At a minimum, lightweight stocks should always be run in the short-grain direction.
- 3rd party devices connected via the optional Foreign Interface Device (FID) may cause delays between print jobs.
- Multiple single page jobs submitted in a large batch will cause the press to fault and require a power cycle.
- Proficio toner can be used for labels to be applied under the following well defined conditions* of use:
    - Indirect food contact – that is, the non-food contact side of the packaging AND:

- With an acceptable barrier for use at room temperature:
  - Current acceptable materials for barriers are:
    - Aluminum foil.
    - PET > 1mil (25 microns) thick.
  - (*Note that any other conditions of use must be defined and tested)

Color Quality/Automation Tools

Automated Color Quality Suite (ACQS) (Optional)

The optional ACQS for the Proficio PX300 includes an Inline Spectrophotometer (ILS) and the Automated Color Quality Suite (ACQS). The ACQS suite is available on the Xerox® EX Print Server Powered by Fiery. These tools can be used to perform automated DFE calibration and custom profiling. These procedures are automated in that they eliminate the need for an operator to manually scan target sheets using an external spectrophotometer. The operator must initiate the procedures at the print server. All target sheets are then generated and scanned automatically, and all measurements, calculations, and corrections are performed automatically. Following normal calibration or profiling, the ILS does not monitor or measure prints within an actual print job.

In order to ensure the best color quality, customers should always calibrate and then create a custom profile for each stock to ensure the best color quality.

An external (handheld) spectrophotometer can still be used for manual print server calibration and profiling, if preferred. In general, the external spectrophotometer will have a higher degree of color accuracy, however using the external spectrophotometer does not deliver automated measurements like the ILS does. Customers should always use a single device type for calibration and profiling measurements, i.e. do not calibrate with an external spectrophotometer and then profile using the ILS. The billing meter(s) will be incremented for pages generated by the ACQS procedures. This is not a change from the manual procedures.

Automated Color Calibration Notes and Caveats

- All digital color presses require periodic image quality assessment and maintenance to deliver consistent color over time. Standard color maintenance procedures should include periodic Calibration to set gray balance, which returns the print engine to a nominal state.
- Automated Print Server Calibration must be initiated by an operator at the print server.
- Automated Calibration is accomplished in two to three minutes per halftone (line screen) using the ILS.
- Calibration frequency depends in part on customer preference; however, the following guidelines apply:
  - We recommend that Calibration be performed daily.
  - Calibration should always be performed after service procedures or if any drift in color is detected.
  - During a regular 8-hour shift, many customers calibrate at least once for each halftone that is used during that shift and many customers calibrate more frequently to mitigate potential drift.
- Calibration should be performed using the paper stock that you plan to run a job with and linked to the color profile that will be used for the job. Each time Automated Calibration is activated, the target sheets are printed, scanned and ejected to the purge tray location (for example, the top tray of a High Capacity Stacker). If the purge tray is full, performing Automated Calibration will cause a jam to occur. In most cases, once the jam is cleared, the printer will be able to resume calibration. If the Automated Calibration procedure cannot recover, the current calibration job will be aborted, and the operator will need to close the calibration dialog box and reinitiate calibration.

Advanced Profiling Notes and Caveats

- Advanced Profiling creates a superior, custom ICC-compliant Destination Profile for color critical applications that require a high degree of color accuracy. Using the ILS, this procedure will automatically print target sheets (measure the color patches on those sheets and use those color measurements to generate a custom color profile for that specific press using that stock with that halftone dot). For optimal color accuracy, customers should create a custom profile for each stock that is used.
- Advanced Profiling must be initiated by the operator at the print server using Color Profiler Suite with Fiery EX color server.
- When creating new advanced profiles, customers should perform DFE calibration first, and then create profile, and ensure that you are linking the correct calibration curve to the correct destination profile.

- Once the target sheets are printed and scanned, the Advanced Profiling software takes approximately 5 minutes to generate a profile for the selected halftone.
- Calibrating routinely (to maintain gray balance) will extend the period of time for which an Advanced Profile can be used. If calibration is performed regularly, the profile should be accurate for up to a month; however some customers prefer to replace their profiles every 2 weeks to ensure accuracy.
- A new (replacement) Advanced Profile may need to be generated after certain service procedures such as photoreceptor drum replacement or charge corotron replacement.
- If a jam or other fault occurs during printing of the profile sheets, the Profiling operation will automatically be aborted and the operator will need to restart the Advanced Profile creation process.

Simple Image Quality Adjustments (SIQA)

The Proficio PX300 Press includes a number of procedures, collectively called Simple Image Quality Adjustments that use the on-press scanner to adjust image quality. The SIQA toolset can be used to adjust inboard-to-outboard uniformity ("smile" correction) and side-to-side registration, as well as image transfer settings. These adjustments are performed by initiating the process at the user interface which generates a set of prints. These prints are then scanned using the on-press scanner, which automatically feeds the measurement data back to the press where the necessary adjustments are made.

SIQA Notes and Caveats

- In general, the inboard-to-outboard uniformity correction does not depend on which particular stock and tray is used. One correction will be sufficient for all stocks and trays.
- Side-to-side registration correction does depend on the specific stock and tray.
- Image transfer adjustment is a custom paper setting and linked to the specific stock.

Xerox Easy Vitals Dashboard

The Easy Vitals dashboard provides operators with an easy-to-understand graphical view of press health including temperature, humidity, toner levels, and status of key customer-replaceable parts. When certain thresholds are crossed the dashboard displays messages to the operator indicating the associated conditions and any actions they should take.

- Information provided by Xerox Easy Vitals should not be construed as an explicit directive or as a cue to summon service technicians without evaluation.
- Caution is advised when interpreting this data, and we recommend consulting with a Xerox professional or referring to documentation before taking decisive action.

Note: The temperature and humidity values displayed on the dashboard come from sensors inside the print engine and thus will report values that vary from the machine's external environment.

Job Progress Light

The Xerox Job Progress Light delivers fast, at-a-glance press visibility through a multi-color LED lightbar—powered by Xerox and Fiery proprietary data with synchronized job level progress status and real-time insight and device status.

Limitations/Considerations:

- Preferred USB port location is on the back of the Fiery Digital Front End (external)
- The lightbar does not provide status for copies or calibration/internal-diagnostic prints.
- The lightbar comes with a ten foot/3-meter cable. The length can be extended and generally works well and will work further than the supplied length, but results are not guaranteed.

Installation Planning

Main Components

Press Components (Base Configuration)



The press base configuration is delivered with the following components:

1. Press
2. MSI (position of MSI is dependent on feeding option)
3. User interface

Optional Feeding / Finishing

- Refer to “Options”
- Optional OCT shown

Print Server Component Options

- EX-Li PX300 Print Server
- EX PX300 Print Server

Module Dimensions and Weights

NOTE: The dimensions listed in the following tables are provided to assist in the installation of the press and should not be used to calculate press space requirements. Refer to the “**Space Requirements / Service Space Envelope”** section for the press overall space requirements.

DIMENSION AND WEIGHTS FOR THE PRESS

Module Name	Width as Assembled	Depth	Height	Weight
Press with MSI and OCT	67.5 in / 1714 mm	33.8 in / 858 mm	54.8 in / 1391 mm	650 lb. / 295 kg
Press only (assumes a Feeder will be installed, which will overlap with the User Interface)	29.9 in / 760 mm	33.8 in / 858 mm	47.4 in / 1203 mm	635 lb. / 288 kg

DIMENSIONS AND WEIGHTS FOR OPTIONAL DEVICES

Feeding

Module Name	Width as Assembled	Depth	Height	Weight
Tray 5 (MSI or Bypass Tray)	21.8 in. / 554 mm	32.0 in. / 813 mm	N/A*	N/A*
High Capacity Feeder (HCF)	15.5 in / 389 mm	24.0 in / 610 mm	14.8 in / 377 mm	64 lb. / 29.0 kg
1-Tray Oversized High Capacity Feeder (Includes User Interface Screen on Feeder)	38.9 in / 988 mm	30.0 in / 762 mm	39.1 in / 992 mm	353 lb. / 160 kg

Module Name	Width as Assembled	Depth	Height	Weight
Advanced HCF (Includes User Interface Screen on Feeder)	38.9 in / 988 mm	39.3 in / 762 mm	39.1 in / 992 mm	540 lb. / 245 kg
Dual Advanced HCF (In addition to Advanced HCF)	38.9 in / 988 mm	30 in / 762 mm	39 in / 992 mm	507 lb. / 230 kg
2-Tray Oversized High Capacity Vacuum Feeder (Includes User Interface Screen on Feeder)	38.9 in / 988 mm	30 in / 762 mm	39 in / 992 mm	428 lb. / 194 kg
High Capacity XLS Vacuum Feeder (Includes User Interface Screen on Feeder)	62.2 in / 1580 mm	30.0 in / 762 mm	39 in / 992 mm	470 lb. / 213 kg
Dual High Capacity XLS Vacuum Feeder (In addition to High Capacity XLS Vacuum Feeder)	62.2 in / 1580 mm	30.0 in / 762 mm	39.1 in / 992 mm	461 lb. / 209 kg

Finishing

Module Name	Width as Assembled	Depth	Height	Weight
Offset Catch Tray (OCT)	15.7 in / 400 mm	16.5 in / 419 mm	N/A*	N/A*
Business Ready Finisher 2.0	30.3 in / 771 mm	27.2 in / 692 mm	41.4 in / 1054 mm	81.5 lb. / 37 kg
Business Ready Booklet Maker 2.0	30.5 in / 776 mm	27.2 in / 691.4 mm	41.5 in / 1053.6 mm	50.2 lb. / 37 kg
Interface Decurler Module	13.4 in / 340 mm	28.5 in / 724 mm	39.1 in / 992 mm	104 lb. / 47 kg
Inserter	6.5 in / 166 mm	26.2 in / 665 mm	48.3 in / 1228 mm	99 lb. / 45 kg
GBC® AdvancedPunch Plus	17.5 in. / 445 mm	28.5 in / 724.3 mm	39.1 in / 992 mm	220 lb. / 100 kg
Static Dissipation Module	9.1 in / 232 mm	28.5 in / 724.3 mm	39 in / 991.5 mm	88.2 lb. / 40 Kg
Quality Control Module	23.8 in / 605 mm	28.5 in / 724.3 mm	39.0 in / 991.5 mm	202.8 lbs. / 92 Kg
High Capacity Stacker (HCS)	31.5 in / 800 mm	28.5 in / 725 mm	41 in / 1042 mm	318 lb. / 144 kg
C/Z Folder	9.1 in / 232 mm	28.5 in / 724.3 mm	39 in / 991.5 mm	122 lb. / 55 kg
Production Ready Finisher	33.7 in / 855 mm	28.5 in / 724 mm	47 in / 1196 mm	187 lb. / 85 kg
Production Ready Booklet Maker Finisher	35.1 in / 892 mm	28.5 in / 724 mm	47 in / 1196 mm	231 lb. / 105 kg
Production Ready Finisher Plus Finisher	33.6 in / 855 mm	28.5 in / 723.4 mm	47 in / 1196 mm	198.4 lb. / 90 Kg
Finishing Transport Module (Required when using a Production Ready Finisher Plus Finisher)	23.6 in / 600 mm	26.0 in / 660 mm	39.4 in / 1000 mm	137 lb. / 62 kg
Crease and Two-sided Trimmer	23.8 in / 605 mm	28.5 in / 724 mm	39 in / 991.5 mm	282 lb. / 128 kg
SquareFold Trimmer Module	42.0 in / 1066 mm	28.5 in / 724.3 mm	21.7 in / 552 mm	221 lb. / 100 kg
Plockmatic® MPS XL (Stacker Table fully extended)	55.5 in / 1410 mm	29.5 in / 750 mm	41.7 in / 1060 mm	198 lb. / 90 kg

Dimensions and Weights for the EX-Li PX300 Print Server

Module Name	Width	Depth	Height	Weight
Controller	3.56 in / 90.42 mm	11 in / 279 mm	14.75 in / 374.65 mm	10.4 lb. / 4.72 kg
This option adds 4 inches (100 mm) to overall Press depth. DFE mounts on the rear of the Press.				

Dimensions and Weights for the EX PX300 Print Server

Module Name	Width	Depth	Height	Weight
Controller (hard drive), no furniture	9.25 in / 235 mm	18.25 in / 464 mm	20.75 in / 527 mm	36.5 lb./ 16.6 kg
Optional Stand, furniture	31.5 in / 800 mm	35 in / 889 mm	60 in / 1524 mm	92.5 lb. / 42 kg

Print Server Cables (common for print servers)

Item	Length
Communications cables (connecting print server with the press)	16.4 feet/5 meters for EX 3.28 feet/1 meter for EX-Li
Image cables (connecting the print server with the press)	19.69 feet/6 meters

Module Dimensions for Optional Third Party Finishing Devices

NOTE: Always refer to the Finishing Solutions Planning Guide for the most up-to-date information on the optional, third-party finishing devices. The latest information can be found at: http://www.smartcentre.xerox.com/Portal/

Note: No additional service space may be needed on the right side of the system if the system includes a Plockmatic® MPS XL. The Plockmatic® MPS XL can be undocked and moved out of the way.

Space Requirements / Service Space Envelope

MOVABLE CONFIGURATION

Certain Press configurations are considered movable as long as they are on a hard surface (concrete, wood, and/or with mobility plates). A movable configuration enables the placement of the Press 29 inches (737 mm) closer to the rear wall or obstruction. A movable Press may require service break apart the Press apart into modules to service it, hence a movable configuration may take longer to service than a stationary Press. No operator activities are compromised with a movable configuration.

The following press configurations can be moved by one person, and are therefore considered movable:

- MSI + Press + OCT
- HCF + Press + OCT
- OHCF + Press + OCT
- Advanced HCF + Press + OCT
- HCF + Press + BR2 Finisher
- OHCF + Press + BR2 Finisher
- Advanced HCF + Press + BR2 Finisher
- MSI + Press + IFM + C/Z Folder + PR Finisher
- MSI + Press + IFM + C/Z Folder + PR Booklet Maker Finisher
- HCF + Press + IFM + C/Z Folder + PR Finisher
- HCF + Press + IFM + C/Z Folder + PR Booklet Maker Finisher

Note: Larger configurations must be considered stationary due to the amount of force required to move the Press.

SERVICE SPACE ENVELOPE

Service/Operational Space	Stationary	Movable
Rear of Press	39.3 in / 1000 mm	10.3 in / 262 mm
Front of Press	37.3 in / 947 mm	37.3 / 947 mm
Left Feeder Side of Press	11.8 in / 300 mm	29.5 in / 750 mm
Right Finisher Side of Press	35.4 in / 900 mm	29.5 in / 750 mm
Space above press	78.0 in / 1981 mm	78.0 in / 1981 mm
Space between Press and Print Server (as required)	19.7 in / 501 mm	19.7 in / 501 mm

Space around the Press is required to both use and service it. The depth (front to back) of the service envelope (the space required to service all aspects of the Press) is:

	Stationary Press	Movable Press
Free space behind Press	39.3 in / 1000 mm	10.3 in / 262 mm
Press depth	32.7 in / 831 mm	32.7 in / 831 mm
Free space in front of Press	37.3 in / 947 mm	37.3 in / 947 mm
Total depth	109.3 in / 2778 mm	80.3 in / 2040 mm

For all Presses
The total width of the service envelope is determined by the options attached to the Press. Use the combination of the Press and Optional Module Dimensions plus the Service Space Envelope to determine the total free width required for the Press. These two dimensions (Total Depth and Total Width) define the overall service space required for the Press, into which no obstruction may impinge. This will define the absolute minimums without sign-off by the local service district.

Floor Information

The customer site floor must safely support the weight of the entire machine and all its components. This includes the weight of any optional feeding and finishing devices that the customer intends to add.

Any installation on carpeted surfaces requires the installation of mobility plates to allow the product to be moved during normal maintenance.

For product specification information on all third-party finishing devices, refer to the specific third-party customer documentation.

MOBILITY PLATES

Mobility plates are available from your Sales Representative.

Mobility Plate Kit: Kit part number 497K05270 and includes the following contents:

- 1 Plate
- 4 Bracket assemblies
- 8 Nuts
- 1 set of kit instructions

Each plate is:

- 19.68 in/500 mm (width) x 29.52 in/750 mm (depth)
- 0.12 in/3 mm (thickness)
- 19 lb./8.6 kg

Optional kits must be ordered for any optional feeding/finishing devices that are attached to the machine. Refer to the next section in this guide for specific information on each feeding/finishing device.

Mobility Plate Charts

The following table shows the number of mobility plates required for the base configuration and for the various optional feeding and finishing devices.

NOTE: The Interface Module is required with any system configuration that has one or more finishing device, except the Offset Catch Tray (OCT) and the BR Finishers.

Configuration	Required Mobility Kits
Base Configuration PX300 Press (Required)	2 kits
High Capacity Feeder (HCF) (letter size)	1 kit
1-Tray Oversized High Capacity Feeder (OHCF)	2 kits
Advanced High Capacity Feeder (Advanced HCF)	2 kits
High Capacity XLS Vacuum Feeder	2 Kits
Dual High Capacity XLS Vacuum Feeder	2 Kits
2-Tray Oversize High Capacity Vacuum Feeder	2 kits
BR2 Finisher	1 kit
BR2 Booklet Finisher	1 kit
Interface Module + GBC® AdvancedPunch Pro	1 Kit
Interface Module + High Capacity Stacker (HCS)	3 kits
Interface Module + PR Finisher	2 kits
Interface Module + PR Finisher + C/Z Folder	2 kits
Interface Module + PR Booklet Maker Finisher	2 kits
Interface Module + PR Booklet Maker Finisher + C/Z Folder	3 kits
Static Dissipation Module	2 kits
Quality Control Module	2 kits
SquareFold Trimmer Module	1 kit
PR Finisher Plus* *Includes Finisher Module and Finishing Transport	3 kits
PR Finisher Plus* with C/Z Folder *Includes Finisher Module and Finishing Transport	4 kits
Plockmatic® MPS XL Stacker * *Includes PR Finisher Plus & FinishingTransport (PFIM)	2 Kits

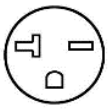
Electrical Requirements

All machine optional accessories and print servers should be placed within 6 feet (1.8 meters) of wall outlets. Ensure that there are enough wall outlets available for optional accessories and the print server.

PRESS ELECTRICAL REQUIREMENTS

Electrical requirements must be satisfied prior to equipment delivery. The Press requires a dedicated 20 Amp service.

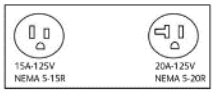
Item	Main processor
Nominal Voltage	• North America (NA): 208-240 VAC (XC) -10%/+6% • Europe: 220-240 VAC (XE) ±10%
Circuit Breaker Maximum Current	20 Amps 16 Amps
Frequency (Hz)	• NA: 50/60 ±3% • Europe: 50 ±3%
Power consumption	@230v = 2138 W (running)
Power Cord Length	10 feet/3 meters

Plug/Receptacle Diagram	• North American Plug: NEMA 6-20P • North American Receptacle: NEMA 6-20R  A single power cord and receptacle is required for the press. • Europe: PCE Shark 023-6 Plug • Europe: receptacle that mates to the PCE Shark 023-6 plug 

ELECTRICAL REQUIREMENTS FOR OPTIONAL DEVICES

NOTE: HCF, BR2 Finisher, and BR2 Booklet Finisher plug directly into the Press and require no additional power receptacle.

NOTE: Use surge protection only as required and is the responsibility of the customer.

Item 1-Tray OHCF / Advanced HCF	100-127 VAC	220-240 VAC
Current/run power	1-Tray OHCF – 2.5A Advanced HCF – 5A	1-Tray OHCF – 1.5A Advanced HCF – 3A
Power cord length	8.2 feet/2.5 meters	8.2 feet/2.5 meters
Receptacle NEMA part number	5-15R or 5-20R 	

Optional finishing device	Current (amps) @ 125 VAC	Current (amps) @ 230 VAC	Power cord length	Receptacle NEMA part number (US Only)
High Capacity XLS Vacuum Feeder	6	4	8.2 feet / 2.5 meters	5-15R
Dual High Capacity XLS Vacuum Feeder	6	4	8.2 feet / 2.5 meters	5-15R
2-Tray Oversized High Capacity Vacuum Feeder	6	4	8.2 feet / 2.5 meters	5-15R
1-Tray OHCF	2.5	1.5	8.2 feet / 2.5 meters	5-15R
Advanced HCF (Single Configuration)	5	3	8.2 feet / 2.5 meters	5-15R
Advanced HCF (Dual Configuration)	5	3	8.2 feet / 2.5 meters	5-15R
Interface Module	1.5-1.9	0.8-1.0	8.2 feet / 2.5 meters	5-15R
Interface Module (with inline spectrophotometer)	3-3.9	1.6-2.0	8.2 feet / 2.5 meters	5-15R
GBC® AdvancedPunch Plus	3.8	1.9	8.2 feet / 2.5 meters	5-15R
Quality Control Module	2.4	1.2	8.2 feet / 2.5 meters	5-15R
Static Dissipation Module	0.6	0.3	8.2 feet / 2.5 meters	5-15R

Optional finishing device		Current (amps) @ 125 VAC	Current (amps) @ 230 VAC	Power cord length	Receptacle NEMA part number (US Only)
High Capacity Stacker (HCS)		1.2-1.5	0.8-1.0	8.2 feet / 2.5 meters	5-15R
Production Ready Finisher		2.4-3.0	1.5-1.8	8.2 feet / 2.5 meters	5-15R
PR Booklet Maker Finisher		2.4-3.0	1.5-1.8	8.2 feet / 2.5 meters	5-15R
SquareFold Trimmer Module		0.6-0.8	0.4-0.5	8.2 feet / 2.5 meters	5-15R
C/Z Folder		0.8	0.4	8.2 feet / 2.5 meters	5-15R
Crease and Two-sided Trimmer Module		4	2	14.8 feet / 4.5 meters	5-15R
PR Finisher Plus	Finisher Module	2.4-3.0	1.5-1.8	8.2 feet / 2.5 meters	5-15R
	Finisher Transport	5 (max)	2.7 (max)	8.2 feet / 2.5 meters	5-15R
Plockmatic® MPS XL Stacker		2	1	14.1 feet / 4.3 meters	5-15R

NOTE: The PR Finisher Plus requires two receptacles, one for the Finisher and one for the Transport.

ELECTRICAL REQUIREMENTS FOR THE PRINT SERVERS

EX/EX-Li PX300 Print Servers

Print Server Item	Current (amps) @ 125 VAC	Current (amps) @ 230 VAC	Power cord length	Receptacle NEMA part number (US Only)
EX-Li PX300 Controller	0.5 (typical) 3.0 (max)	0.3 (typical) 1.5 (max)	6.5 feet/1.98 meters	5-15R
EX PX300 Controller	0.5 (typical) 7 (max)	0.3 (typical) 3.5 (max)	6.5 feet/1.98 meters	5-15R

DETERMINING CIRCUIT REQUIREMENTS

The Press requires a dedicated 20 Amp service.

All modules require one receptacle except the Print Server that needs two, and the Inserter and HCF that need none. Based upon your system configuration and existing electrical infrastructure, discuss with your electrician the modules you will be installing along with the electrical information from this IPG to determine the best layout and number of circuits for your situation. All modules must be installed according to local code.

Electrical Installation Considerations

Press Electrical Considerations

- Ground Fault Protection is provided which meets Xerox® internal safety requirements and exceeds the Industry Standards for Information Technology Equipment.
- The electrical outlet must be located within 6 feet (1.83 m) to the right of the right rear corner of the main processor, or no more than 3 feet (0.914 m) to the left of the left rear corner of the main processor (when facing the equipment)
- The power cord must have sole use of the circuit. The outlet/circuit cannot be shared with any other devices or equipment
- OHCF should be placed within 6 feet (1.83 meters) of wall outlets.
- OHCF have their own power cord and must be plugged into an outlet separate from the print engine. Ensure that there are enough wall outlets.

Electrical Considerations for Optional Devices

- Electrical requirements and space requirements must be satisfied prior to equipment delivery.
- Optional accessories should be placed within 6 feet (1.83 meters) of wall outlets.
- Most optional devices have their own power cord and must be plugged into an outlet separate from the print engine. Ensure that there are enough wall outlets for each required accessory.

Electrical Considerations for Print Servers

- Electrical requirements and space requirements must be satisfied prior to equipment delivery.
- The print server should be placed within 6 feet (1.83 m) of the wall outlet.
- Ensure that there is an available wall outlet for the print server.

INFORMATION APPLICABLE TO ALL ELECTRICAL DEVICES

Extension Cord Information

Periodically extension cords may be needed. Electrical and local building and fire codes must be adhered to in terms of length of cord, conductor size, and grounding. An extension cord may serve only one device. Plug strips are not extension cords and may only be used for computer applications, not the press or accessories.

Acceptable Circumstances for Using Extension Cords

Extension cords may be used under the following circumstances:

- Extension cords may be used to facilitate demo situations where the customer does not have an outlet receptacle at the location of the demo placement. All electrical and code requirements apply.
- Where a temporary condition exists (maximum of 90 days) at the customer site before a permanent outlet receptacle is installed, an extension cord set may be used to get the customer up and running. Typical situations include customer moves, remodeling, and recovery from fires or other facility emergencies.
- For most copy and facsimile machines requiring 20 amp service or less and where permitted by the Authority Having Jurisdiction, extension cord sets may be used without regard to length of time in service.

Extension Cord Requirements

Extension cords must meet the following requirements:

- The customer must notify the appropriate agencies (Authority Having Jurisdiction) such as the local building inspector, insurance inspector, and fire inspector of the use of any extension cord set if required by local law.
- The cord set used to supply power to our machine supplies power only to our machine.
- The cord set receptacle is a single outlet receptacle. The receptacle of the extension cord set must be compatible with the machine plug (no adapters permitted).
- The cord set is of proper amp voltage to carry the load over the distance/length needed. Length is not to exceed 25 feet/7.62 meters. Cord conductors shall be a minimum of AWG# 12 (16.1 to 20.0 amps), AWG # 14 for (12.1 to 16.0 amps), and AWG # 16 (7.1 to 12.0 amps) for 25 foot/7.62 meter lengths.
- The cord set has UL or CSA listing or both and shall have appropriate markings or labels such as type (S, SO, ST, SJ, SJO, SJT for 20 amp capacity or less).
- The Plug and Connector are grounded and the polarity and continuity are checked prior to placing the cord set in service.
- The cord set does not cross any aisles or walkways that are required exits.
- Where the Authority Having Jurisdiction permits the use of extruded cord protectors, in an aisle or walkway, only extruded cord protectors shall be permitted as protection for the cord set. Cord sets shall not be run under carpet, through walls, floors, windows or doorways, or overhead in ceiling plenum space.
- The plug of the extension cord set must be compatible with the receptacle of the wall outlet (no adapters permitted).
- The cord set must be a continuous length without splices or in line switches.

Other Installation Considerations

Press

- Physical delivery of the Press and Print Server will be by a Xerox® authorized Carrier. The Carrier will physically install the Press. Depending on geography, either the Carrier or Xerox® Service perform a functional check of the Press. The entity performing the functional test of the Press will review the software/documentation with the customer. The customer is responsible for connecting and configuring the Printer Server on their network.
- There should be a minimum of 78 inches (1981 mm) clearance from the floor to the nearest overhead obstruction.

Print Servers

- One network drop is required for installation of the print server.
- The customer is responsible for configuring the print server to the network.
- To enable system administrators and others to work at the print server, the work surface should be desk height.
- To enable the Xerox® service representative to safely repair the system, the work surface should measure at least 41 in (1041 mm) by 30 in (762 mm).
- The work surface of the print server must not impede on the space required by the machine and any attached accessories unless the work surface is a table that has wheels and can be easily moved.
- A secure but accessible place near the print server must be established in which to store the print server media and software. Xerox® personnel may not be able to provide services unless these materials are available.
- The communications cables, which connect the print server to the press, vary in length; refer to Module Dimensions section of this guide.

NOTE: If the available floor space is an issue, the print server components may be placed on the right side of the press.

CAUTION: Avoid placing the print server directly behind the press. Heat generated by the press may cause the print server to overheat and stop functioning properly.

Environmental Requirements

Environmental Requirements for the Press

Item	Minimum	Maximum	Recommended
Temperature	50° F/10° C	90° F/32° C NOTE: Temperatures above 90° F (32° C) require reduced relative humidity to maintain the specific/optimal performance.	68-76° F/20-24° C NOTE: Better performance is achieved when environmental conditions are maintained in the recommended range.
Relative Humidity (RH)	15%	85%	45-55% NOTE: Better performance is achieved when environmental conditions are maintained in the recommended range.
Heat emission	Approximately 1980 BTU/Hour (Standby)	Approximately 7,340 BTU/Hour (Running)	
Power consumption	580 W (Standby)	2,150 W (Running)	
Noise (system) (L_{WAd})	Standby 58.2 [dB(A)] (Standby)	78.7 [dB(A)] (Running)	
Altitude	0 feet/0 meters	8,200 feet/2,500 meters NOTE: Altitudes above 6,500 feet (2,000 meters) may require field adjustment.	6,500 feet/2,000 meters

Customer Site Readiness

Customer General Information

Customer General Information	
Company	
Location	
State/Province	
Country	
Zip/Postal Code	
Contact 1	
Contact 2	

PRE-INSTALLATION WORKSHEET

Customer Interview and Physical Site Checklist

After the order for a Xerox® Press has been placed, the Analyst, Customer Trainer, or designated Xerox® person in the district must visit the customer site to complete a physical site check. Arrange for a meeting with the decision maker at the site and explain that it is the responsibility of the customer to ensure the site is ready for the delivery and installation of the equipment. This document contains the requirements for the delivery and the installation of the Xerox® Press.

Discuss the installation requirements with the customer and explain the installation process. As each of the following items are completed, mark the check-off box to indicate its completion.

Checkbox	Item
☐	Show the space requirement for the installation.
☐	Determine if Mobility Plates are required. A mobility plate is required for all movable installations on carpeting or rough surface flooring.
☐	Stationary installations are generally acceptable on wooden, industrial linoleum over concrete, or concrete floors.

☐	Ensure that the site meets electrical power requirements for all modules of the Xerox® Press, the print server, and any other accessories that have been ordered.
☐	Determine if the environmental conditions meet specifications for the Xerox® Press and print server.
☐	Measure the intended site to ensure that it meets space requirements.
☐	Walk the delivery path from the dock/entry point to the install site. TIP: If there are any stairs in the delivery path, you must contact the carrier to perform a Delivery Site Inspection (coded JK1, Misc.). Do not commit to an install date until this inspection is completed.
☐	Ask the customer if there are any questions at this point in the process.
☐	If there are any problems that cannot be resolved, report them to the responsible team in the district.
☐	Tape the floor in an “L” shape where the left rear corner of the print engine will be located.

Follow-up

Visit the site and verify that all requirements have been met. If the site is not ready, attempt to resolve any readiness conflicts. Perform ongoing site check updates until the site is ready.

When the site is ready, begin the installation process used in the district. Ensure that any optional letters of agreement concerning space requirements are processed properly in the district.

CUSTOMER SITE DESCRIPTION

Special Customer Site Considerations

1. (USA only) Are union workers at the loading dock and/or the installation site?
   ☐ Yes ☐ No
2. If yes, may the carrier move the equipment at the loading dock and/or the installation site?
   ☐ Yes ☐ No
3. Can the delivery be made during normal business hours?
   ☐ Yes ☐ No
4. If no, identify any special delivery instructions on the Analyst Site Worksheet, located later in this chapter.
   ☐ Yes ☐ No

Docks

1. Is there a loading dock?
   ☐ Yes ☐ No
2. Is the dock accessible to a truck/trailer for delivery?
   ☐ Yes ☐ No

Write any special instructions for the truck driver:

3. Does the dock have load/dock levelers? ☐ Yes ☐ No

4. Does the dock area have adequate space for unloading the Press? ☐ Yes ☐ No

NOTE: If the answer to *any* of the above questions is **No**, then a forklift will be required to unload the modules from the truck to the floor/ground level.

Entrance Ways

Measure the entrance ways; they must be wide enough to accommodate the Press and the largest feeder and finisher in the configuration (see Weights and Dimensions section). Is there proper clearance? ☐ Yes ☐ No

If No, try another entrance or the site must be modified.

Stairs

Are there stairs anywhere in the delivery path? ☐ Yes ☐ No

TIP: If there are any stairs in the delivery path, the Carrier Delivery Site Inspection must be performed prior to delivery commitment.

WARNING: The Xerox® Press should never be up-ended or serious damage will result.

Elevator Requirements

Elevator Weight Requirements

An elevator capacity of 651 lb. (295 kg) or more is required to move the print engine and Print Server for an installation. If the elevator capacity is not adequate, options may exist for elevator modifications. Please contact the on-site maintenance support for more information on this process.

Does the elevator capacity equal or exceed 651 lb. (295 kg) capacity? ☐ Yes ☐ No

If no: Determine whether modifications can be made to the elevator to increase its maximum weight capacity to 651 lb. (295 kg). If modifications cannot be made, the elevator cannot be used.

Elevator Width Requirements

The elevator width requirements include the doorway entrance and the interior area. The elevator must meet the following width dimensions:

Elevator Doorway Entrance Width	Elevator Interior Width
Minimum 30 in/760 mm	Minimum 34 in/864 mm

Measure the elevator entrance dimensions. Is there sufficient space at the elevator opening? ☐ Yes ☐ No

If No and the elevator opening is too narrow, determine whether there is another means of transporting the press modules and installation location.

Installation Site Space Requirements

Is the site cleared and ready for installation? ☐ Yes ☐ No

If No: When will the site be cleared?

_____

Ensure that it will be cleared and ready prior to machine installation.

Is proper power available? ☐ Yes ☐ No

If No: When is power scheduled to be installed?

Is the date prior to machine installation? ☐ Yes ☐ No

If this is a Xerox® Press and print server installation, is a functional network connection installed? ☐ Yes ☐ No

If No: When is the network connection scheduled to be installed?

Is the date prior to machine installation? ☐ Yes ☐ No

Do the site space requirements meet installation planning requirements? ☐ Yes ☐ No

If No: What steps are being taken to ensure they meet installation planning requirements?

Is the date prior to machine installation? ☐ Yes ☐ No

SITE PREPARATION CHECKLIST

The following checklist provides a list of tasks that the customer and the Xerox®/Partner personnel should complete in order to ensure a successful installation. When both the customer and Xerox®/Partner tasks are completed, the Xerox®/Partner personnel should send notification to the carrier. This informs the carrier to plan for the delivery of the machine and to accomplish the rigger installation.

	Responsibility (Enter the name of the person responsible in the area marked with the *)		
Activity: Delivery route	**Customer**	**Xerox® / Partner**	**Date Completed**
Determine if the route between the delivery door/loading dock and the installation site meets all requirements for a successful delivery; includes: Entrance ways, doorways, passageways, turning radii, ramps, and elevators		X	
Activity: Location	**Customer**	**Xerox® / Partner**	**Date Completed**
Create an installation site sketch using the correct template: Match the customer configuration (including possible future expansion)		X	
Determine the location of the system at the installation site by using the site installation sketch		X	
Activity: Electrical	**Customer**	**Xerox® / Partner**	**Date Completed**
Ensure all electrical receptacles are installed at the site in accordance with local codes	X		
Activity: Location	**Customer**	**Xerox® / Partner**	**Date Completed**
Order network cables and install internet connection	X		
Complete the network installation work sheets	X	X	

Customer Expectations Agreement

Checkbox	Modules to be installed
	Xerox® Proficio™ PX300 Press
	High Capacity XLS Vacuum Feeder
	Dual High Capacity XLS Vacuum Feeder
	2-Tray Oversized High Capacity Vacuum Feeder
	HCF Feeder
	1-Tray OHCF
	Advanced HCF
	Offset Catch Tray (OCT)
	BR Finisher 2.0
	BR Booklet Finisher 2.0
	Interface Decurler Module (Base)
	Interface Decurler ILS Module
	GBC® AdvancedPunch Plus
	Static Dissipation Module
	Quality Control Module
	High Capacity Stacker
	C/Z Folder
	Inserter
	Production Ready Finisher
	Production Ready Booklet Maker Finisher
	SquareFold Trimmer Module
	Crease and Two-Sided Trimmer
	Production Ready Finisher Plus
	Plockmatic® MPS XL
	Other Third Party Finisher

Name of Third-Party Device

_____

_____

Additional Reference Material:

Inform/show customer where to find and download a complete set of customer documentation online at www.xerox.com

Primary Customer Applications:

_____

_____

_____

Special considerations or performance limitations identified by Xerox®/Partner and agreed to by the customer:

_____

_____

Upending and/or Stair Climbing Required and Reviewed: Yes _____ Not Required _____

I have reviewed and understand the product specifications for each of the modules to be installed, including those as noted in the product Customer Expectation and Installation Guide:

Customer: _____

Xerox®/Partner Sales Representative: _____