



imagePRESS C1+ II

Customer Expectations Document

Version 1



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Business Imaging Solutions Group, Canon U.S.A., Inc.

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IMPORTANT

The purpose of this Customer Expectations Document is to explain the current features and capabilities of the imagePRESS C1+ II, and provide customers information about what to expect before purchasing the machine.

The information included in this document has been pulled from various sources, including product reference guides, service guides, and user manuals. Specifications and other information contained herein may vary slightly, and in a non-material way, from actual device values, including those found in advertising and other printed matter. Part numbers, yield information, and specifications are subject to change without notice. Accordingly, the latest specifications for the machine may not be found in this document. As new information becomes available, this document will be revised. Canon authorized dealers can access the latest revision of this document from the Download Center page on the e-Support Web site (support.cusa.canon.com).

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1. Introduction

The Canon imagePRESS C1+ II Customer Expectations Document contains information about the features and capabilities of the Canon imagePRESS C1+ II. This document should be used as part of the presale and preinstallation planning process to help clarify the requirements and responsibilities associated with owning and operating the imagePRESS C1+ II. It is also recommended that those interested in purchasing the imagePRESS C1+ II have, and familiarize themselves with, the information in this document prior to making their purchase.

2. Product Overview

The Canon imagePRESS C1+ II is designed for the “color-critical” customer – from creative to production environments – for proofing to short-run color applications. This high-quality digital press also achieves print speeds of up to 14 ppm for color LTR size documents, and up to 60 ppm for black-and-white LTR size documents.

The imagePRESS C1+ II has full color image quality, various media support with the largest image area and highest color consistency and durability. The machine is capable of printing images in up to 1200 x 1200 dpi. This results in higher quality characters, smoother corners, and cleaner gradient transitions. Text appears sharper and graphics appear clear and detailed.

The imagePRESS C1+ II is designed with the oil-less V toner, E drum, Twin Red Imaging Laser Beam scanner, and Real Time Color Calibration function to achieve high-image quality, color consistency, and media versatility.

There are two imagePRESS C1+ II configurations:

- MFP
 - Standard Copier Model (includes the Main Unit, Color Image Reader-H1, and imagePRESS Server-T1 V2)
 - Professional Copier Model (includes the Main Unit, Color Image Reader-H1, and imagePRESS Server-Z1)
 - Base Copier Model (includes the Main Unit, Color Image Reader-H1, and Color UFR II/PCL/PS Printer Kit-P2)
- SFP
 - Standard Printer Only Model (includes the Main Unit, Printer Cover-A1, and imagePRESS Server-T1 V2)
 - Professional Printer Only Model (includes the Main Unit, Printer Cover-A1, and imagePRESS Server-Z1)
 - Base Printer Only Model (includes the Main Unit, Printer Cover-A1, and Color UFR II/PCL/PS Printer Kit-P2)

2.1 Summary of Functions

Function		imagePRESS C1+ II
Output Speed (Color)		Approximately 14 ppm (LTR)
Output Speed (B&W)		Approximately 60 ppm (LTR)
Output Speed Clear Coating	Spot Coat	Approximately 10 ppm
	Flood Coat	Approximately 12 ppm
	Two Pass	Approximately 60 ppm
Engine Resolution		1,200 x 1,200 dpi
Gradations		256 levels
Max. Paper Size		13" x 19"
Max. Paper Weight	Paper Drawer	110 lb index (209 g/m ²)
	Stack Bypass	140 lb index (256 g/m ²)
Printer Memory		1.5 GB RAM
Hard Disk Drive		80 GB
Copy		Yes (MFP - Copier Model)
Mail Box		Yes
Network		Yes
Remote UI		Yes
MEAP Capability		Yes
Controllers		imagePRESS Server-Z1
		imagePRESS Server-T1 V2
		Color UFR II/PCL/PS Printer Kit-P2
Network Scanning		Yes (MFP - Copier Model)
Send		Optional (Universal Send)

2.2 Offset Press vs. Digital imagePRESS

Offset printing is a technique that transfers (or “offsets”) an inked image from a plate to a rubber blanket, and then to the printing surface. This enables the offset press to maintain a consistent and high image quality over long print runs because the plate never touches the paper. The process requires a substantial investment in equipment and setup time to achieve these results.

A **digital press** uses an electrostatic process to produce “offset-like” image quality at a fraction of the cost of an offset press. In the imagePRESS C1+ II digital press, the drum is imaged; the toner is applied, and then transferred to the ITB (Intermediate Transfer Belt). The ITB then transfers all four toner colors to the paper in one single pass. The small toner particle size captures a greater color gamut space, closer to that of an offset press.

2.3 Image Stabilization Control

The quality of printed images is affected by changes in the environment, such as temperature, humidity, etc. in which the machine is installed. It is also affected by the deterioration of image formation parts through extended usage. The imagePRESS C1+ II performs image stabilization control to ensure stable print quality over an extended period of time.

2.4 Professional Input/Output Accessories

The imagePRESS C1+ II features many input and output accessories that allow customers working in office environments to complete large jobs directly from the machine. For more information on the input and output accessories that can be attached to the machine, see [“Specifications,”](#) on p. 17.

Input Accessories

- Side Paper Deck-AA1
- Side Paper Deck-AB1
- Color Image Reader-H1
- DADF-R1
- Stack Bypass-A1

Finishing (Output) Accessories

- Saddle Finisher-AA2
- Finisher-AA1
- Puncher Unit-M1



IMPORTANT

- Only the Saddle Finisher-AA2 or Finisher-AA1 can be installed. They cannot be installed together.
- The Feeder DADF-R1 requires the Color Image Reader-H1.

3. Machine Dimensions and Space Requirements

3.1 Dimensions

The following table includes the width, height, and depth dimensions (in inches and millimeters) of the main unit and optional accessories.

Unit	Width		Depth		Height	
Main Unit* ¹	33 63"	855 mm	35 63"	898 mm	41 13"	1,042 mm
Color Image Reader-H1	28.88"	732 mm	23.5"	595 mm	4.13"	105 mm
DADF-R1	25.5"	646 mm	22.38"	570 mm	5.63"	143 mm
Side Paper Deck-AA1	23.7"	601 mm	24.5"	621 mm	22.5"	570 mm
Side Paper Deck-AB1	12.8"	326 mm	23.0"	583 mm	22.63"	574 mm
Saddle Finisher-AA2	25.5"	646 mm	25.8"	656 mm	43.4"	1,102 mm
Finisher-AA1	25.5"	646 mm	25.8"	656 mm	43.4"	1,102 mm
Puncher Unit-M1	4.25"	107 mm	24.5"	615 mm	32.75"	833 mm
Copy Tray	17.75"	450 mm	15"	382 mm	4"	100 mm

*1 The dimensions for the Main Unit include the printer and reader without the user interface.

3.2 Weight

The weights of the main unit, feeding and finishing options (in pounds and kilograms) are listed in the table below.

Unit	Weight	
Main Unit* ¹	646 lb	293 kg
Color Image Reader-H1	38.5 lb	17.5 kg
DADF-R1	47.3 lb	21.5 kg
Side Paper Deck-AA1	112.4 lb	51 kg
Side Paper Deck-AB1	68.3 lb	31 kg
Saddle Finisher-AA2	158 lb	71.5 kg
Finisher-AA1	106.9 lb	48.5 kg
Puncher Unit-M1	15.4 lb	7 kg
Copy Tray	2.2 lb	1 kg

*1 The weight for the Main Unit includes the printer and reader.

3.3 Installation and Service Space

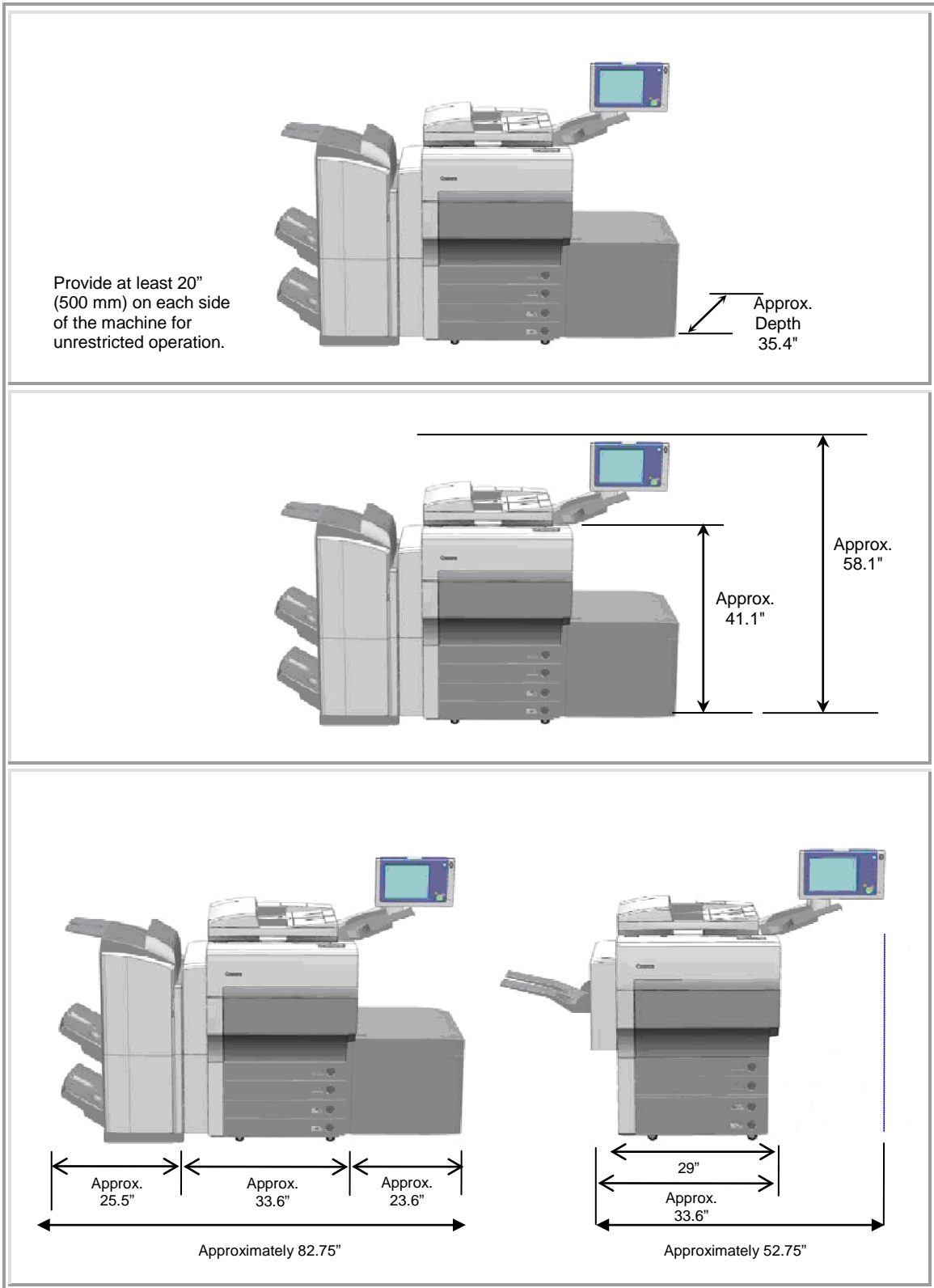
The site must provide enough space for unrestricted operation, maintenance work, and proper ventilation. The machine dimensions are in diagrams on the next page. Every attempt should be made to install the equipment in a room that is large enough to allow for proper servicing and maintenance of the equipment, and ensure that issues, such as ventilation, odors, and dust accumulation are not a concern.



IMPORTANT

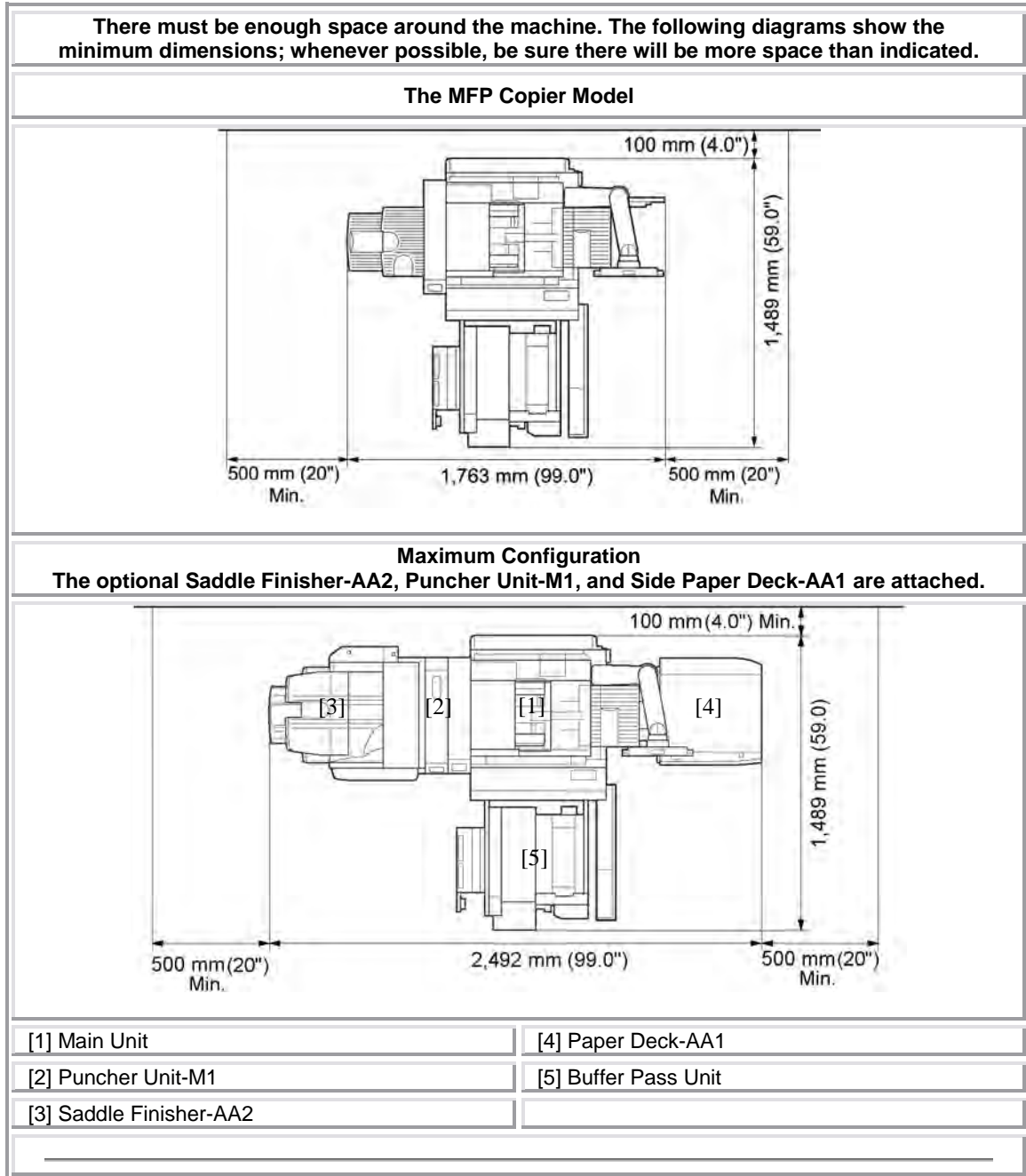
- Keep the back of the machine at least 4" (100 mm) away from a wall.
- Leave approximately 20" (500 mm) of space on both sides of the machine.
- The floor must be level (with no bows) for the stabilization and support of the machine.
- To move the engine through a door, you must have at least 29" of clear doorway opening, and the Buffer Pass Unit and User Interface must be removed beforehand. Additional clearance may be needed to negotiate turns.

3.3.1 Dimensions Diagrams



3.3.2 Installation Space Diagrams

The approximate installation space requirements will differ, depending on how your machine is configured and the optional accessories attached.



IMPORTANT

- The maximum configuration (fully configured machine) includes the Main Unit, Saddle Finisher-AA2, Puncher Unit-M1, Paper Deck-AA1, and Buffer Pass Unit.
- The fully configured width of the machine includes opening space for the Buffer Pass Unit and the extended tray of the Finisher-AA1 or Saddle Finisher-AA2.

3.4 Delivery Pathway

Make sure that there is an adequate installation space for the imagePRESS C1+ II, and that the delivery pathway is clear.

Dimensions of the imagePRESS C1+ II (Main Unit and Reader without the User Interface):

41 1/8" (H) x 33 5/8" (W) x 35 5/8" (D)
(1,042 mm (H) x 855 mm (W) x 898 mm (D)).

Dimensions of the imagePRESS C1+ II (Main Unit and Reader with the User Interface):

58 1/2" (H) x 52 3/4" (W) x 35 3/8" (D)
(1,476 mm (H) x 1,339 mm (W) x 898 mm (D))



IMPORTANT

The Buffer Pass Unit and User Interface are not attached to the Main Unit when it is shipped from the factory. Therefore, the minimum amount of space needed to deliver the machine through a doorway is 29" in width. However, if the machine is delivered to its installation location, or must be moved, and the Buffer Pass Unit and User Interface are attached, these units must be removed from the machine before it can be moved to its final installation site.

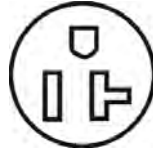
3.5 Network Connectivity

A standard 10/100Base-T Ethernet interface (RJ-45 jack) for device installation, monitoring, and Mail Box access, via the Remote UI, ships standard with all configurations.

A USB 2.0 High-Speed interface port ships standard with all configurations for direct connection to centralized environments that want to drive all jobs through a single host PC.

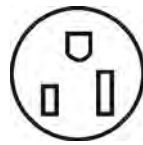
4. Power/Electrical Requirements

The imagePRESS C1+ II requires a NEMA 5-20R receptacle for the Main Unit and proper operation.



NEMA 5-20R Receptacle

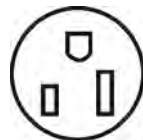
A NEMA 5-15R receptacle and DC power are provided through the Main Unit for the following optional accessories:



NEMA 5-15R Receptacle

- Feeder DADF-R1
- Finisher-AA1 or Saddle Finisher-AA2
- Paper Deck-AA1
- Paper Deck-AB1

A separate and dedicated NEMA 5-15R receptacle is required for the imagePRESS Server-Z1 and imagePRESS Server-T1 V2



NEMA 5-15R Receptacle

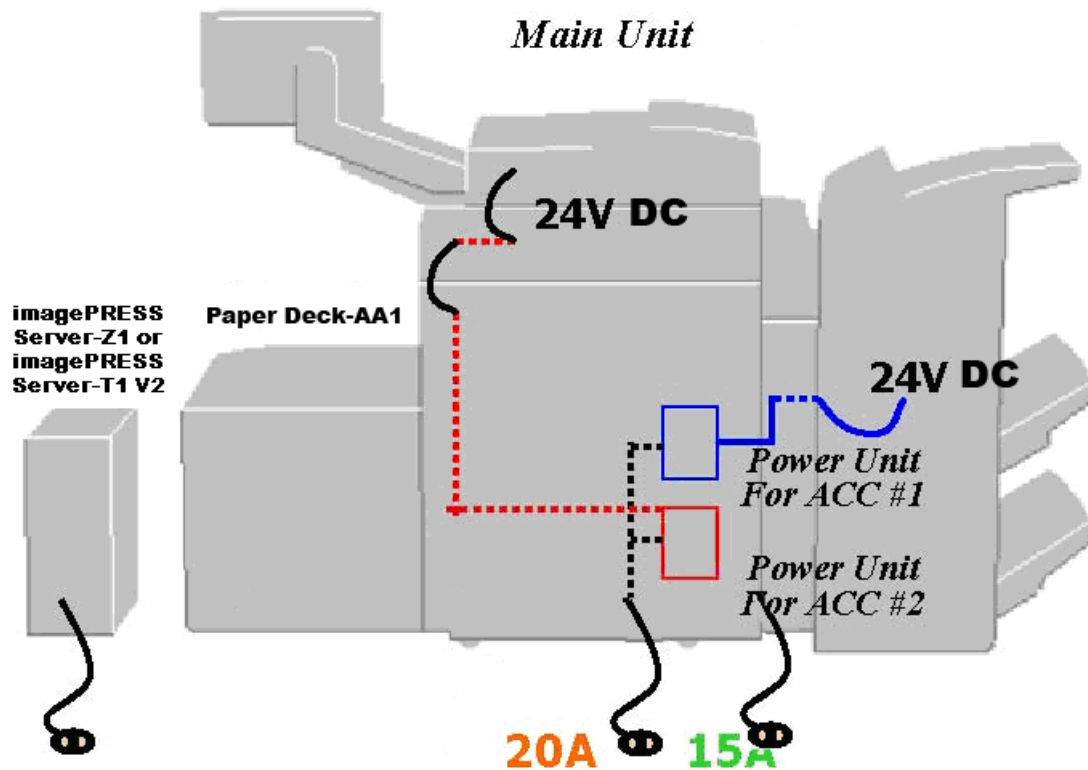
IMPORTANT

- Use only dedicated and properly grounded outlets for the main unit and imagePRESS Server. It is also strongly suggested to use dedicated and properly grounded outlets for each optional accessory. Do not use extension cords. The ground connection serves to provide the internal electronics with a reference voltage. Faulty or poor ground sources will cause this reference voltage to fall into a range that no longer serves as a reliable reference voltage. The internal logic and programming of the imagePRESS C1+ II will not perform reliably if there is an insufficient difference between internal operating signal voltages and a poor ground reference signal. A qualified electrician can measure and provide the ground source that the imagePRESS C1+ II or any computer controlled office equipment requires.
- Before installation, confirm that dedicated NEMA receptacles are available.
- We recommend an additional standard 115 V/15 A outlet for service tools, such as a laptop or vacuum that may be attached.

NOTE

The Puncher Unit-M1 and Color Image Reader-H1 do not require any additional outlets.

The following illustration shows the relative position of the power outlets and voltage requirements for each optional accessory item.



5. Environmental Factors and Requirements

This section describes the necessary environmental factors and requirements in which the machine should be operated to achieve the best image quality and print results.

NOTE

It may be necessary to use a humidifier or dehumidifier to attain the proper humidity levels for optimal machine performance.

5.1 Temperature and Humidity Conditions

The optimal humidity range is 30% to 70% RH (Relative Humidity) with a room temperature of 68°F to 80.6°F (20°C to 27°C). Make sure to maintain a constant temperature and humidity within this range. Otherwise, there is a risk that productivity, paper feeding, image quality, and reliability may be affected if the machine is operated outside of these guidelines.

The machine should not be installed in locations with significant shifts in temperature or humidity. Areas containing water, or equipment that can significantly alter room temperature or humidity, such as a space heater, stove, or portable air conditioner, should be avoided.

The optimal humidity range for storing paper is 30% to 70% RH (Relative Humidity) with a room temperature of 68°F to 80.6°F (20°C to 27°C). Storing paper in a location that does not meet these specifications may affect paper feeding and image quality. For example, if the humidity is too high, paper curling and paper jams will increase. If the humidity is too low, paper may shrink or lose resistance, and toner will not adhere to the paper as well.

Only use paper that has fully acclimatized to the environment in which the machine is installed. Using paper that has been stored in a different environment (with a different temperature and humidity), may cause paper jams or result in poor print quality.

5.2 Temperature Gradient

Using an air conditioner during the winter, or if a sudden temperature change occurs, may have an adverse affect on image positioning. Sudden temperature changes may cause the paper to bend or contract, cause the machine to malfunction, and form condensation. Every effort should be made to maintain consistent temperature and humidity levels in the operating environment at all times for the imagePRESS C1+ II.

5.3 Ventilation

Ensure that there is an air exchange rate of at least 1.5 times per hour, and at least 3,885 ft³ (110 m³) of space in the location where the machine will be installed.

This machine generates a slight amount of ozone during normal use. Although sensitivity to ozone may vary, this amount is not harmful. Ozone may be more noticeable during extended use or long production runs, especially in poorly ventilated rooms. It is recommended that the room be appropriately ventilated, sufficient to maintain a comfortable working environment, in areas of machine operation.

5.4 Elevation Limitations

Install this machine at an elevation below 13,123' (4,000 m) and at an air pressure of less than 3,578.4 hPa.

5.5 Lighting

We recommend installing the machine in a location with at least 500 lux (29 1/2" (75 cm) above the floor) for normal operation and maintenance.

5.6 Sunlight

Avoid installing the machine in direct sunlight. Direct sunlight has adverse effects on toner consistency and image quality. If direct sunlight is unavoidable, use curtains to shade the machine. Make sure that the curtains do not block the machine's ventilation slots or louvers, or interfere with the electrical cord or power supply.

5.7 Ammonia

Avoid installing the machine where ammonia is emitted. In a sufficient amount, ammonia will attack the surfaces of the machine's paper feed and image quality components, thereby shortening their useful life and increasing the need for periodic and remedial maintenance.

A professional assessment of the air quality in the room in which the machine is to be installed is recommended prior to its installation.

6. Specifications

6.1 Main Unit

Item		Specifications
Name		Canon imagePRESS C1+ II
Type		Console
Drum		Photosensitive OPC Drum x 4
Color Supported		Full Color
Engine Resolution		Up to 1,200 dpi x 1,200 dpi
Reading Resolution		Up to 600 dpi x 600 dpi
Number of Gradations		256
Memory		1.5 GB (standard)
Hard Disk		80 GB (standard)
Paper Size	Paper Drawer	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC
	Stack Bypass	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Irregular Size (4 3/8" x 5 7/8" to 13" x 19" (100 mm x 148 mm to 330 mm x 483 mm))
Paper Weight/Type	Paper Drawer	17 lb bond to 110 lb index (64 to 209 g/m ²) Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond, Transparency, Tab Paper
	Stack Bypass	17 lb bond to 142 lb index (64 to 256 g/m ²) Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond, Transparency, Labels, Coated, Texture Paper, Vellum
Margin		Top Margin: 1/8" (4.0 mm) Left and Right Margins: 1/8" (2.5 mm) Bottom Margin: 1/8" (2.0 mm)
Warm-Up Time		After Powering ON: Fewer than 11 minutes and 40 seconds Returning from the Sleep mode: Fewer than 11 minutes and 40 seconds Returning from the Low-Power Mode: Fewer than 7 minutes Activation time may vary, depending on the conditions under which the machine is being used. (In all cases, at a room temperature of 68°F.)
First Copy Time		Full Color: Up to 14.1 seconds Black-and-White*: Up to 7.6 seconds * When the Black mode is set

Main Unit Table Continued

Item	Specifications		
Copy Speed (Except when paper is fed from the Stack Bypass)	Direct (sheets/minute) in both the Full Color and Black modes		
		Black-and-White*	Full Color
	12.60" x 17.72"	Approximately 26	Approximately 4
	13" x 19"	Approximately 26	Approximately 4
	12" x 18"	Approximately 26	Approximately 4
	11" x 17"	Approximately 30	Approximately 7
	LGL	Approximately 35	Approximately 7
	LTR	Approximately 60	Approximately 14
	LTRR	Approximately 43	Approximately 7
	STMTR	Approximately 30	Approximately 14
	EXEC	Approximately 60	Approximately 14
Paper Feeding System/ Capacity	Paper Drawers: Up to 500 sheets x 4 cassettes (20 lb bond (80 g/m ²)) Stack Bypass: Up to 100 sheets (20 lb bond (80 g/m ²))		
Multiple Copies	1 to 999 sheets		
Power Source	120-127 V AC, 60 Hz, 15.1 A + 2.6 A (two power cords)		
Maximum Power Consumption	Main Power Cord: Approximately 1,900 W Sub Power Cord: Approximately 310 W In the Low-Power Mode: Approximately 231 W In the Sleep Mode: Approximately 14 W		
Dimensions (H x W x D)	41 1/8" x 33 5/8" x 35 3/8" (1,042 mm x 855 mm x 898 mm) (The height is measured to the upper side of the platen glass, and excludes the control panel's width/depth)		
Weight	Approximately 646 lb (293 kg)		
Installation Space (W x D)	69 3/8" x 58 5/8" (1,761 mm x 1,489 mm)		

6.2 Color Image Reader-H1

Item	Specifications
Type	Flatbed
Resolution for Reading	Up to 600 dpi x 600 dpi
Acceptable Originals	Sheet, book, three dimensional objects (up to 4.4 lb (2 kg))
Paper Sizes	11" x 17", LGL, LTR, LTRR, STMT, STMTR, or EXEC
Magnification	Regular paper size: Same Ratio 1:1 Reduction 1:0.78 (LGL → LTR) 1:0.73 (11" x 17" → LGL, 11" x 15" → LTR) 1:0.64 (11" x 17" → LTR) 1:0.50 (11" x 17" → STMT) 1:0.25 Enlargement 1:1.21 (LGL → 11" x 17") 1:1.29 (LTR → 11" x 17") 1:2.00 (STMT → 11" x 17") 1:4.00 Copy Ratio: 25 to 400% (in 1% increments)
Power Source/ Consumption	From the main unit. Approximately 140 W maximum
Dimensions (H x W x D)	4 1/8" x 28 7/8" x 23 1/2" (105 mm x 732 mm x 595 mm) (excluding the document feeder)
Weight	Approximately 38.5 lb (17.5 kg) (excluding the document feeder)

6.3 Feeder (DADF-R1)

Item	Specification
Original Feeding Mechanism	Automatic Document Feeder
Size and Weight of Originals	11" x 17", LGL, LTR, LTRR, or STMT 1-Sided Scanning: 13 to 57 lb bond (50 to 216 g/m ²) 2-Sided Scanning: 13 to 53 lb bond (50 to 200 g/m ²)
Original Tray Capacity	100 sheets (20 lb bond (80 g/m ²))
Original Replacement Speed	Copying: 50 sheets/minute (LTR in the Black-and-White and Full Color modes) Scanning: 80 sheets/minute* ¹ maximum (LTR in the Black-and-White and Full Color modes at 300 dpi) * ¹ The scanning speed may vary, depending on the scanning mode and original type.
Power Source/ Consumption	From the main unit. Approximately 100 W maximum
Dimensions (H x W x D)	5 5/8" x 25 1/2" x 22 3/8" (143 mm x 646 mm x 569.5 mm)
Weight	Approximately 47.3 lb (21.5 kg) (excluding the output tray)

6.4 Paper Deck-AB1

Item	Specifications
Paper Size/Weight/Type	Size: LTR Weight: 17 lb bond to 110 lb index (64 to 209 g/m ²) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched
Paper Deck Capacity	Approximately 3,500 sheets (20 lb bond (80 g/m ²))
Power Source	From the main unit.
Dimensions (H x W x D)	22 5/8" x 12 7/8" x 23" (574 mm x 326 mm x 583 mm)
Weight	Approximately 68.3 lb (31 kg)
Installation Space (W x D)	69 3/8" x 35 3/8" (1,761 mm x 898 mm)

6.5 Paper Deck-AA1

Item	Specifications
Paper Size/Weight/Type	Size: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, or LTRR Weight: 17 lb bond to 142 lb index (64 to 256 g/m ²) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum
Paper Deck Capacity	Approximately 3,500 sheets (20 lb bond (80 g/m ²))
Power Source	120 to 127 V AC, 60 Hz, 1 A
Maximum Power Consumption	Approximately 220 W (including the deck heater)
Dimensions (H x W x D)	22 1/2" x 23 5/8" x 24 1/2" (570 mm x 601 mm x 621 mm)
Weight	Approximately 112.4 lb (51 kg)
Installation Space (W x D)	72 1/4" x 35 3/8" (1,836 mm x 898 mm)

6.6 Finisher-AA1

Item	Specifications
Paper Size/Weight/Type	<p>Size: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Irregular Size (4 3/8" x 5 7/8" to 13" x 19" (100 mm x 148 mm to 330 mm x 483 mm))</p> <p>Weight: 17 lb bond to 142 lb index (64 to 256 g/m²)</p> <p>Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum</p>
Capacity Per Tray	<p>No Collating Mode</p> <p>Tray A: LTR, STMTR, EXEC: 250 sheets (or 1 3/4" (43 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTRR: 125 sheets (or 1 3/4" (43 mm) in height)</p> <p>Tray B: LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR, STMTR, EXEC: 2,450 sheets (or 13 5/8" (347 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate and Group Modes</p> <p>Tray B: LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR, STMTR, EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode</p> <p>Tray B and C: LTR, EXEC: 1,300 sheets/100 sets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <p>No Collating, Collate, and Group Modes with Different Paper Sizes</p> <p>Tray B and C: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode with Different Paper Sizes</p> <p>Tray B and C: LTR, EXEC: 650 sheets/100 sets (or 3 3/4" (96 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <ul style="list-style-type: none"> - The Staple mode cannot be used with 12" x 18" and STMTR paper - STMTR cannot be output to Tray B

Finisher-AA1 Table Continued

Item	Specifications
Max. Stapling Capacity/Available Staple Size	LTR, EXEC: 50 sheets (17 to 20 lb bond (64 to 80 g/m ²)) 30 sheets (20 to 28 lb bond (81 to 105 g/m ²)) 2 sheets (28 lb bond to 142 lb index (106 to 256 g/m ²)) 11" x 17", LGL, LTRR: 30 sheets (17 to 20 lb bond (64 to 80 g/m ²)) 20 sheets (20 to 28 lb bond (81 to 105 g/m ²)) 2 sheets (28 lb bond to 142 lb index (106 to 256 g/m ²)) Corner Stapling: 11" x 17", LGL, LTR, LTRR, EXEC Double Stapling: 11" x 17", LGL, LTR, LTRR
Power Source/Maximum Power Consumption	From the main unit. Approximately 140 W
Dimensions (H x W x D)	43 3/8" x 25 1/2" x 25 7/8" (1,102 mm x 646 mm x 656 mm)
Weight	Approximately 106.9 lb (48.5 kg)
Installation Space (W x D)	82 5/8" x 35 3/8" (2,097 mm x 898 mm)

6.8 Saddle Finisher-AA2

Item	Specifications
Paper Size/Weight/Type	<p>Size: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Irregular Size (4 3/8" x 5 7/8" to 13" x 19" (100 mm x 148 mm to 330 mm x 483 mm))</p> <p>Weight: 17 lb bond to 142 lb index (64 to 256 g/m²)</p> <p>Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Tab Paper, Coated, Texture Paper, Vellum</p>
Capacity Per Tray	<p>No Collating Mode</p> <p>Tray A: LTR, STMTR, EXEC: 250 sheets (or 1 3/4" (43 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTRR: 125 sheets (or 1 3/4" (43 mm) in height)</p> <p>Tray B: LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR, STMTR, EXEC: 2,450 sheets (or 13 5/8" (347 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate and Group Modes</p> <p>Tray B: LTR, STMTR, EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR, STMTR, EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height) 11" x 17", LGL, LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode</p> <p>Tray B and C: LTR, EXEC: 1,300 sheets/100 sets (or 7 3/8" (188 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <p>No Collating, Collate, and Group Modes with Different Paper Sizes</p> <p>Tray B and C: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple Mode with Different Paper Sizes</p> <p>Tray B and C: LTR, EXEC: 650 sheets/100 sets (or 3 3/4" (96 mm) in height) 11" x 17", LGL, LTRR: 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <p>Saddle Stitch Mode</p> <p>1 to 5 sheets/25 sets 6 to 10 sheets/15 sets 11 to 15 sheets/10 sets</p>

Saddle Finisher-AA2 Table Continued

Item	Specifications
Max. Stapling Capacity/ Available Staple Size	LTR, EXEC: 50 sheets (17 to 20 lb bond (64 to 80 g/m ²)) 30 sheets (20 to 28 lb bond (81 to 105 g/m ²)) 2 sheets (28 lb bond to 142 lb index (106 to 256 g/m ²)) 11" x 17", LGL, LTRR: 30 sheets (17 to 20 lb bond (64 to 80 g/m ²)) 20 sheets (20 to 28 lb bond (81 to 105 g/m ²)) 2 sheets (28 lb bond to 142 lb index (106 to 256 g/m ²)) Corner Stapling: 11" x 17", LGL, LTR, LTRR, EXEC Double Stapling: 11" x 17", LGL, LTR, LTRR
Available Saddle Stitch Capacity/Size	12" x 18", 11" x 17", LGL, LTRR: 15 sheets (17 to 20 lb bond (64 to 80 g/m ²)), including a cover page (17 lb bond to 142 lb index (64 to 256 g/m ²)) 10 sheets (20 lb bond to 142 lb index (80 to 256 g/m ²)), including a cover page (17 lb bond to 142 lb index (64 to 256 g/m ²))
Power Source/Maximum Power Consumption	From the main unit. Approximately 143 W
Dimensions (H x W x D)	43 3/8" x 25 1/2" x 25 7/8" (1,102 mm x 646 mm x 656 mm)
Weight	Approximately 158 lb (71.5 kg)
Installation Space (W x D)	82 5/8" x 35 3/8" (2,097 mm x 898 mm)

6.9 Puncher Unit-M1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, or EXEC Weight: 17 lb bond to 142 lb index (64 to 256 g/m ²) Type: Thin, Plain, Heavy, Recycled, Color, Bond Paper, Tab Paper, Coated, Texture Paper, Vellum
Punch Hole Quantity, Hole Diameter	Two holes: 1/4" (6.5 mm) Three holes: 3/8" (8 mm)
Distance between Punch Holes	Two holes: 2 3/4" (70 mm) Three holes: 4 1/4" (108 mm)
Paper Size in Which Holes Can be Punched	Two holes: LGL, LTRR, EXEC Three holes: 11" x 17" and LTR
Punch Waste Tray Capacity	When approximately 3,000 sheets of paper have been punched.
Power Source/Maximum Power Consumption	From the main unit. Approximately 90 W
Dimensions (H x W x D)	32 3/4" x 4 1/4" x 24 1/2" (833 mm x 107 mm x 615 mm) (When the optional Saddle Finisher-AA2 is attached)
Weight	Approximately 15.4 lb (7 kg)
Installation Space (W x D)	86 3/4" x 35 3/8" (2,202 mm x 898 mm) (When the optional Saddle Finisher-AA2 is attached)

6.10 Copy Tray

Item	Specifications
Paper Size/Weight/Type	Size: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Irregular Size (4 3/8" x 5 7/8" to 13" x 19" (100 mm x 148 mm to 330 mm x 483 mm)) Weight: 17 lb bond to 142 lb index (64 to 256 g/m ²) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Tab Paper, Coated, Texture Paper, Vellum
Paper Capacity	Up to 250 sheets (20 lb bond (80 g/m ²))
Dimensions (H x W x D)	4" x 17 3/4" x 15" (100 mm x 450 mm x 382 mm)
Weight	Approximately 2.2 lb (1 kg)
Installation Space (W x D)	69 3/8" x 35 3/8" (1,761 mm x 898 mm)

6.11 Card Reader-C1

Item	Specifications
Available Cards	Optical
Card Readout Method	Optical readout
Store/Replay	Replay
Power Source	From the main unit.
Dimensions (H x W x D)	1 1/4" x 3 1/2" x 4" (32 mm x 88 mm x 100 mm)
Weight	Approximately 10.4 oz (295 g)

7. System Options

The functionality of the imagePRESS C1+ II can be expanded by installing system related optional accessories. This section describes the system related optional accessories and their functions.

7.1 Color UFR II/PCL/PS Printer Kit-P2

The Color UFR II/PCL/PS Printer Kit-P2 supports three, page description languages. PCL5c/6 and PostScript 3 emulation are common PDLs used for printing typical office documents. The third PDL is Canon's proprietary UFR II (Ultra Fast Rendering II) technology. UFR II uses both the CPU in the imagePRESS C1+ II controller and the user's PC for processing print data, which balances the load, and maximizes the print speed.



NOTE

UFR II print drivers are only available for Windows 2000/XP, Server 2003, and Macintosh OS X environments.

7.2 imagePRESS Server-T1 V2

The imagePRESS Server-T1 V2 is a higher-performance controller for the imagePRESS C1+ II digital press. The Canon imagePRESS Server-T1 V2 is suited for corporate in-plants, PFP, and commercial printers that need more color control, superior image quality, versatility, and reliability, and operate in both Windows® and Macintosh® environments. It comes standard with 512 MB of SDRAM and an X-Rite i1Pro 2 Spectrophotometer.

Item	Specifications
CPU	Intel Celeron M Processor, 1.5 GHz
Memory	512 MB SDRAM
HDD	80 GB
System Software	System 8 Release 2
Standard Hardware	X-Rite i1Pro 2 Spectrophotometer
Options	Impose, Secure Erase, Integrated Workstation, 2 GB RAM Upgrade

7.3 imagePRESS Server-Z1

The imagePRESS Server-Z1 is the most powerful and highest performing controller for the imagePRESS C1+ II. The imagePRESS Server-Z1 is built for maximum color control, superior image quality, variable data printing, and optimum workflow versatility for professionals in both Windows and Macintosh environments. It is also ideal for graphic-intensive environments that require production and business workflow integration, such as direct mobile printing from Apple iOS mobile devices. The imagePRESS Server-Z1 comes standard with the Graphic Arts Package Premium Edition V2.2 and an X-Rite i1Pro 2 Spectrophotometer.

Item	Specifications
CPU	Intel Core i5-660 Processor, 3.33 GHz
Memory	2 GB RAM
HDD	3.5 inch, SATA 250 GB
Optical Disk Drive	DVD-RW/CD-RW Drive
System Software	System 10
OS	Microsoft Windows 7 64-bit for Embedded Systems
Standard Hardware	X-Rite i1Pro 2 Spectrophotometer
Options	Impose, Compose, Removable Hard Disk Drive, Integrated Workstation, 2 GB RAM Upgrade

7.4 Color Universal Send Kit-G1

The Color Universal Send Kit enables the user to send scanned documents via e-mail or I-fax, as well as send scanned data to be stored in file servers or User Inboxes.

A URL Send feature enables scanned documents to be stored on the device while it sends only the URL of the document to a recipient for retrieval. This eliminates electronic jams and full e-mail inboxes.

7.5 Universal Send PDF Security Feature Set-A1

The Universal Send PDF Security Feature Set-A1 enables the user to encrypt PDF files and set a password to send the files safely to a file server or e-mail address. It also enables the recipient of the PDF file to verify which device scanned it.

7.6 Universal Send PDF Advanced Feature Set-A1

The Universal Send PDF Advanced Feature Set-A1 enables the user to make Compact PDF, Trace & Smooth, and Searchable PDF files.

7.7 Digital User Signature PDF Kit-A1

The Digital User Signature PDF Kit-A1 enables the user to add a digital user signature obtained from a certificate authority to a PDF file. This enables the recipient of a PDF file to verify which user signed it.



NOTE

A license key issued by a certificate authority must be registered to activate the Digital User Signature PDF Kit.

7.8 Secure Watermark-A1

The Secure Watermark-A1 option enables the user to embed hidden text in the background of copies. The embedded text only appears when the machine prints the copies.

7.9 HDD Data Encryption Kit-B3

The HDD Data Encryption Kit-B3 is a tool that enables the user to encrypt all of the data stored on the hard disk of the machine. This prevents encrypted hard disk data that is extracted from the machine from being read.

7.10 HDD Data Erase Kit-A1

The HDD Data Erase Kit-A1 enables the user to erase the data stored on the hard disk completely.

7.11 Web Access Software

The Web Access Software enables the user to view Web pages from the touch panel display of the machine. If PDF files are registered on the Web page, the user can print them without using a computer. Moreover, if a Web page or special content is created, and then registered as a PDF file, the Web page or special content can be shared with other users.



NOTE

To print Web pages and PDF files using the Web Access Software, the optional Color UFR II/PCL/PS Printer Kit-P2 must be activated.

7.12 Encrypted Secure Print Software

The Encrypted Secure Print Software enables the user to encrypt print data sent from a computer using the Secured Print function and decrypt it at the machine. This strengthens the security of print data by preventing the content of printed documents from being seen by other users, and preventing the unauthorized use of confidential information.



NOTE

To use the Encrypted Secure Print Software, the optional Color UFR II/PCL/PS Printer Kit-P2 must be installed.

7.13 Access Management System Kit

The Access Management System Kit enables the administrator to assign users and user groups access restrictions to entire or specific machine functions. The Access Management System works with the SSO (Single Sign-On) login service.

7.14 Remote Operator's Software Kit-A2

The Remote Operator's Software Kit-A2 enables the control panel screens to be emulated on a networked computer so users (with a physical impairment, for example) can specify settings, and access the control panel remotely.

7.15 Other imagePRESS C1+ II Main Unit Accessory Options

- Braille Label Kit-A1
- Voice Guidance Kit-A2
- Barcode Printing Kit-A1
- Key Switch Unit-A2
- ADF Access Handle-A1

7.16 Notes on the Hard Disk

The imagePRESS C1+ II has two hard disks to realize high-speed data transfer by striping – a set of data is divided and written onto two or more hard disks simultaneously.

When turning OFF the machine, make sure to use the Control Panel Power Switch on the operating console. For detailed instructions on shutting down the machine properly, see Chapter 1, “Before You Start Using This Machine,” in the *Reference Guide*. Turning the machine OFF via the power switch may negatively impact the performance and life of the drive.

Two HDDs are equipped in this machine. If a hard drive is damaged it is necessary to replace both drives.

Advise the user (administrator) to make a backup of important data (Inbox contents) using the machine’s user mode (administrator mode) periodically.

8. Installation Review

This chapter describes the necessary number of technicians required to install the machine properly, the time required to install the main unit and optional equipment, and customer installation responsibilities.

8.1 Installation Time

The time required to install the imagePRESS C1+ II depends on the options and accessories to be installed, and the number of technicians performing the installation. Customers should discuss the time requirements with their servicing dealer and schedule the installation accordingly.



IMPORTANT

- Set up time may vary due to the following conditions:
 - Forklift availability and its operator
 - Narrow hallways, or a need to remove doors to enter rooms
 - Uneven or damaged floors making leveling the equipment difficult and time consuming
- With the aforementioned conditions in mind, an installation of only the main unit can take between 4 to 6 hours. If accessories are included in the installation, the times in the table below must be added.

The table below indicates the estimated length of time needed to install the main unit and optional accessories from the time the machine is unpacked to when it is installed, and calculated from the average amount of manpower hours. The estimated installation times are based on a minimum of four experienced technicians.

Description	Estimated Time
imagePRESS C1+ II – Main Unit, reader, and printer	90 Minutes
Color Image Reader-H1	13 Minutes
Side Paper Deck-AA1	26 Minutes
Side Paper Deck-AB1	20 Minutes
DADF-R1	20 Minutes
Finisher-AA1/Saddle Finisher-AA2	20 Minutes
Puncher Unit-M1	20 Minutes

8.2 Customer Responsibilities

Item	Comment
Identify location for equipment.	Area meets space and service space requirements.
Verify strength of floor and level.	Certified by structural engineers.
Ensure that the equipment can be delivered to the site.	Path is clear and unobstructed.
Confirm proper electrical outlets and power is available.	Dedicated power, and enough outlets for equipment (including accessories).
Area meets environmental specifications.	Temperature and humidity are within specifications, venting provided if necessary.
Network connections available.	If desired.

9. Consumables

Consumables are all products and materials that are consumed with regular use and cannot be reused. Such consumables include, but are not limited to, paper, chemicals, and toner. A number of factors go into the approximate life expectancy of a consumable item, including paper size and the amount of coverage per page.

Operate the machine within the following usage conditions to achieve optimal machine performance.

Item	Condition
Operating Temperature	68°F to 80.6°F (20°C to 27°C)
Operating Humidity	30% to 70%
Optimal Performance Range Per Month	5,000 to 25,000 ^{*1}
Image Ratio	10% each color
Color Ratio	100%

*1 Based on 20 lb bond LTR size paper, and under the above optimal environmental conditions.

9.1 Consumable Parts

Consumable parts are defined as those parts having a limited life that will be reached during a customer's specific machine operation, and then should be replaced as needed. Examples of consumable parts include, but are not limited to feed rollers, cleaning blades, fixing assembly components, etc.

An estimated consumable parts life is provided below to assist in the initial parts/supplies planning. A consumable part's life expectancy is directly related to usage factors, such as paper size, paper quality, environment, usage application, and machine maintenance. Therefore, consumable parts do not have a warranty, and Canon U.S.A., Inc. cannot guarantee a minimum life.

9.1.1 Estimated Life of Consumables

The table below states the estimated life expectancy yields based on LTR size paper. Using paper larger than LTR reduces the supply yields and parts life accordingly.



NOTE

All consumable supplies shown in the table below are for reference purposes only, and are subject to change without notice.

Item	Part Number	Quantity	Estimated Life ^{*1} (Copies/Prints)	Remarks
IPQ-1 Drum	0405B003AA	1	150,000	
IPQ-1 Black Toner	0397B003AA	1	16,000	10% coverage ^{*2}
IPQ-1 Cyan Toner	0398B003AA	1	16,000	
IPQ-1 Magenta Toner	0399B003AA	1	16,000	
IPQ-1 Yellow Toner	0400B003AA	1	16,000	
IPQ-1 Clear Toner	3229B003AA	1	31,500	
			22,500	2 pass at 10% coverage

*1 Estimated life is based on LTR paper.

*2 The actual consumption of toner varies, depending on saturation, coverage of original, paper type, and job mode.

10. Toner Container Yields

Each toner container holds approximately 666 grams of toner, and yields approximately 16,000 impressions at 10% coverage.

11. Waste Toner Container Yields

The waste toner bottle collects the waste toner during the printing process.

The operator should replace the waste toner bottle with the provided spare bottle when the message indicating that the waste toner bottle is full is displayed (at approximately 50,000 LTR prints).

The waste toner bottle may be replaced while the machine is running since collected waste toner can be accumulated temporarily in the waste toner buffer (up to approximately 10,000 sheets of LTR paper). When the waste toner buffer becomes full, the imagePRESS C1+ II stops.

The dealer should empty the full waste toner bottle and dispose of the toner waste only in a manner that is applicable to the law in the geographical area where the machine is located. The emptied bottle should then be returned to the customer prior to the next waste toner is full alert.

Upon replacement of the waste toner bottle, any accumulated toner in the waste toner buffer empties into the new waste toner bottle.

12. Estimated Performance Standards

The EPS (Estimated Performance Standard) is an estimate of the maximum print and scan volumes the machine can achieve in its life span, depending on certain variables:

- If the machine is maintained and serviced by a Canon authorized service technician
- If only Genuine Canon service and consumable parts are used

The actual performance of the machine may vary, based on customer usage factors, such as the environment in which the machine is installed, the types of jobs performed, and the types of media used.

The following EPS values are for reference purposes only, and are based on the use of LTR size paper.

Item	Estimated Life
Reader Unit	Approximately 550,000 sheets (LTR)
Printer	Approximately 1,500,000 sheets (LTR) or 5 years, whichever comes first

13. Optimum Monthly Product Performance

The table below describes the differences between the optimum PCV (Print Copy Volume) and maximum PCV. Please note that the numbers in the table are for reference purposes only, and depend strongly on the type of media selected and environmental conditions. For information on the optimal environmental conditions for the machine, see [“Environmental Factors and Requirements,”](#) on p. 15.

Monthly PCV Type	Description	Number of LTR Prints/Copies
Optimum PCV	This is the print/copy volume range that the equipment was intended to run on a regular basis to maintain a high level of performance and print/copy quality. Running the equipment within this range ensures that no undue stress is placed on components, and it allows time for the proper servicing and maintenance of the equipment.	5,000 to 25,000
Maximum PCV	This is the maximum number of pages the machine can produce within a one-month period. However, sustained use of the machine at this print/copy level will impact the long term performance and durability of the machine. It is recommended to stay within the optimum print/copy volume to reduce a possible increase in servicing and maintenance issues.	100,000



IMPORTANT

If the machine consistently runs at or above the upper end of the optimum PCV, consider purchasing additional machines or higher volume machines.

14. Machine Reliability and Productivity

This chapter describes the productivity of the imagePRESS C1+ II.

14.1 Print Speed

The table below describes the printing speeds one should expect when printing simplex or duplex documents in black-and-white and full color on the indicated paper size and type.

Group	Length(mm)	B&W Normal Speed 285mm/sec Weight: Up to 105.9gsm						B&W	
		Tray Simplex Face up	Tray Simplex Face down	PD.-AB1 Simplex	PD.-AA1 Simplex	Tray or PD. Duplex	Stack BP. Simplex	Stack BP. Duplex	
Executive	184.10mm	60ppm	60ppm			30ppm	35ppm	17ppm	
STMT-R	215.90mm	30ppm	30ppm			15ppm	17ppm	8ppm	
LTR	215.90mm	60ppm	60ppm	60ppm	60ppm	30ppm	35ppm	17ppm	
Executive-R	266.70mm	43ppm	43ppm			17ppm	29ppm	14ppm	
LTR-R	279.40mm	43ppm	43ppm		43ppm	17ppm	29ppm	14ppm	
LGL	355.60mm	35ppm	35ppm			35ppm	16ppm	23ppm	
LDR	431.80mm	30ppm	30ppm		30ppm	15ppm	20ppm	10ppm	
A5(Free)	148.00mm						35ppm		
Post card	148.00mm								
Tab(LTR)		43ppm	43ppm						
12X18	457.20mm	26ppm	26ppm		26ppm	6ppm	17ppm	6ppm	
12.6X17.7(SRA3)	449.60mm	26ppm	26ppm		26ppm	6ppm	17ppm	6ppm	
13X19	482.60mm	26ppm	26ppm		26ppm	6ppm	17ppm	6ppm	

Group	Length(mm)	Full Color Normal Speed 285mm/sec Weight: Up to 105.9gsm						4C	
		Tray Simplex Face up	Tray Simplex Face down	PD.-AB1 Simplex	PD.-AA1 Simplex	Tray or PD. Duplex	Stack BP. Simplex	Stack BP. Duplex	
Executive	184.10mm	14.2ppm	14.2ppm			7.0ppm	7.0ppm	7.0ppm	
STMT-R	215.90mm	14.2ppm	14.2ppm			7.0ppm	7.0ppm	7.0ppm	
LTR	215.90mm	14.2ppm	14.2ppm	14.2ppm	14.2ppm	7.0ppm	7.0ppm	7.0ppm	
Executive-R	266.70mm	7.0ppm	7.0ppm			3.5ppm	7.0ppm	3.5ppm	
LTR-R	279.40mm	7.0ppm	7.0ppm		7.0ppm	3.5ppm	7.0ppm	3.5ppm	
LGL	355.60mm	7.0ppm	7.0ppm		7.0ppm	3.5ppm	7.0ppm	3.5ppm	
LDR	431.80mm	7.0ppm	7.0ppm		7.0ppm	3.5ppm	7.0ppm	3.5ppm	
A5(Free)	148.00mm						7.0ppm		
Post card	148.00mm								
Tab(LTR)		7.0ppm	7.0ppm						
12X18	457.20mm	4.0ppm	4.0ppm		4.0ppm	1.8ppm	4.0ppm	1.8ppm	
12.6X17.7(SRA3)	449.60mm	4.0ppm	4.0ppm		4.0ppm	1.8ppm	4.0ppm	1.8ppm	
13X19	482.60mm	4.0ppm	4.0ppm		4.0ppm	1.8ppm	4.0ppm	1.8ppm	

Group	Length(mm)	B&W/Full Color, 1/3 Speed 285mm/sec (Image transfer speed : 95mm/sec) Weight: 105.9gsm to 256.0gsm						Thick	
		Tray Simplex Face up	Tray Simplex Face down	PD.-AB1 Simplex	PD.-AA1 Simplex	Tray or PD. Duplex	Stack BP. Simplex	Stack BP. Duplex	
Executive	184.10mm	6.0ppm	6.0ppm			3.0ppm	3.0ppm	3.0ppm	
STMT-R	215.90mm	6.0ppm	6.0ppm			3.0ppm	3.0ppm	3.0ppm	
LTR	215.90mm	6.0ppm	6.0ppm	6.0ppm	6.0ppm	3.0ppm	3.0ppm	3.0ppm	
Executive-R	266.70mm	2.5ppm	2.5ppm			1.3ppm	2.5ppm	1.3ppm	
LTR-R	279.40mm	2.5ppm	2.5ppm		2.5ppm	1.3ppm	2.5ppm	1.3ppm	
LGL	355.60mm	2.5ppm	2.5ppm		2.5ppm	1.3ppm	2.5ppm	1.3ppm	
LDR	431.80mm	2.5ppm	2.5ppm		2.5ppm	1.3ppm	2.5ppm	1.3ppm	
A5(Free)	148.00mm						3.0ppm		
Post card	148.00mm						3.0ppm		
Tab(LTR)		2.5ppm	2.5ppm						
12X18	457.20mm	2.0ppm	2.0ppm		2.0ppm	1.0ppm	2.0ppm	1.0ppm	
12.6X17.7(SRA3)	449.60mm	2.0ppm	2.0ppm		2.0ppm	1.0ppm	2.0ppm	1.0ppm	
13X19	482.60mm	2.0ppm	2.0ppm		2.0ppm	1.0ppm	2.0ppm	1.0ppm	

14.2 Paper, Toner, and Waste Toner Replacement

The imagePRESS operator can maintain productivity by removing, replacing, and refilling the paper, toner, and waste toner while the press is running.

The paper trays can also be opened and refilled during operation. The tray that is being utilized by the press during production, however, will be locked. Once the job completes, or the machine switches to another tray, the empty tray unlocks, allowing the operator to prepare for the next job, and add more paper. No productivity is affected and jobs finish quicker.

Similar to the paper, the toner bottle may be removed and replaced while a job is printing. The imagePRESS C1+ II has a large toner hopper, making it possible for the press to run much longer with no bottle. The operator is not required to replace the bottle immediately after removing the old bottle. Therefore, productivity and image quality are not affected, and jobs finish in the same amount of time.

Finally, the waste toner bottle is required to be replaced when filled. However, this bottle may be removed while the press is running. Therefore, the operator will remain productive, and not notice any changes in speed or quality.

14.3 Mixed Media Productivity

The imagePRESS C1+ II is capable of processing jobs that contain mixed media; however, the machine's productivity may be reduced if one or more of the following print conditions occur during a job run:

- Using paper with different paper weights
- Using single and double-sided printing
- Inserting tab paper
- Using different image magnifications for both sides of a sheet
- An image that is printing is very large
- Saddle-folding only one sheet
- Stapling heavy paper
- A large print job is running and the finisher switches from the tray that is full to another tray.

15. Media Usage/Compatibility

The imagePRESS C1+ II maintains reliable, predictable, and high-quality output. Consistency of the output is dependent on knowing and compensating for variables of a print job. The imagePRESS C1+ II incorporates many control systems which compensate for environmental and print process conditions. Another variable is the print media. Knowing the characteristics of the media facilitates optimal print output.

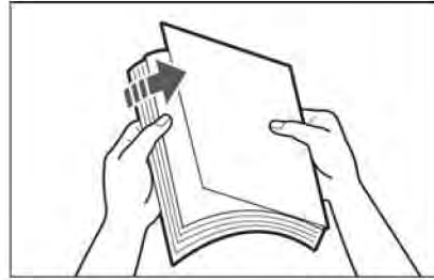
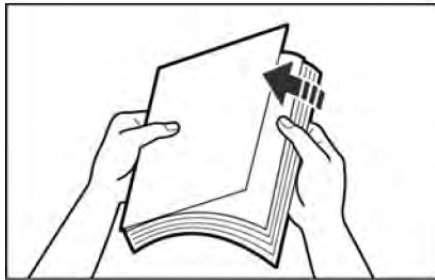
15.1 Media Characteristics by Media Library Parameters

The table below describes the standard media library parameters, and can be manually adjusted through the Additional Functions > System Settings > Paper Type Management Settings menus.

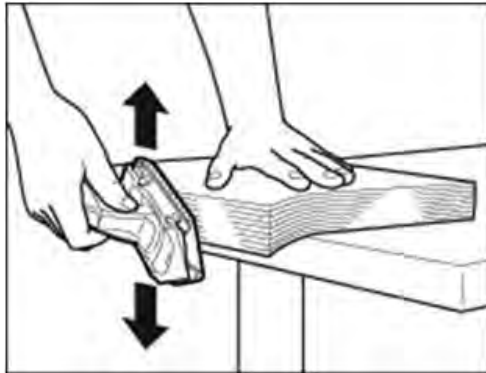
Characteristics	Parameters
Name	Specify the name of the paper.
Category	Select the category of the paper.
Basis Weight	Select the weight of the paper in g/m ² .
Type	Select the type of paper (e.g., Normal, Tab Paper, or Pre-punched Paper).
Finish	Select the finish of the paper (e.g., Uncoated or 1-Sided Coated).
Creep (Displacement) Correct.	Specify the correction adjustment.
Color	Specify the color of the paper.
Curl Correction Level	Specify how to correct the amount of curl.
Gloss Adjustment	Specify how to adjust the glossiness on a custom paper type.
Image Location Adjustment	Specify the settings below.
Lead Edge Alignment	Specify how to adjust the image alignment at the lead edge of the paper toward the feeding direction.
Left Edge Alignment	Specify how to adjust the image alignment at the left edge of the paper toward the feeding direction.
Paper Separation Fan Level	Specify how to adjust the paper separation fan output from the Air Assist-equipped Paper Decks only.
Secondary Transfer Voltage	Specify how to finely adjust the image density.

15.2 Paper Handling and Storage

- The permissible humidity range for paper storage is 30% to 70% (with a room temperature of 68°F to 80.6°F (20°C to 27°C)). Storing paper in a location that does not meet these specifications may affect paper feeding and image quality.
- Only use paper that has fully acclimatized to the environment in which the machine is installed. Using paper that has been stored in a different environment (with a different temperature and humidity), may cause paper jams or result in poor print quality.
- We recommend using paper immediately after opening the package. Rewrap any remaining paper in its original package, and store it on a flat surface.
- Before loading paper, make sure to fan the sheets thoroughly so that air runs through the sheets, as shown in the diagrams below.



- If the customer cuts paper, the cut sides of the paper must be made smooth. Use an abrasive to make the four cut sides smooth. Otherwise, streaks may appear on the image, paper feeding may be affected, part life may be reduced, or service calls may increase. Make sure to put the paper on a flat table to use the abrasive, and move the abrasive perpendicular to the paper approximately three times.



15.3 Selecting the Correct Media

Canon U.S.A., Inc. publishes an imagePRESS C1+ II Specialty Media Handling Guide which provides detailed information on approved media. Major topics in this document include:

- Acceptable Paper
- Problems Caused by Paper Curl
- Storing/Editing Irregular Paper Types
- Acceptable Paper Type List

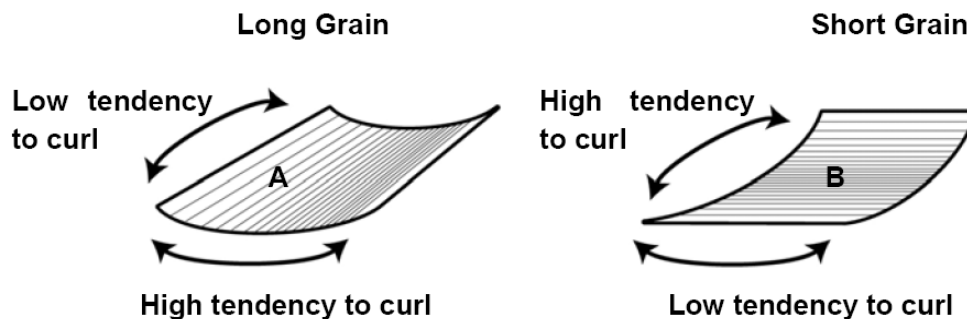
To obtain the Specialty Media Handling Guide for the imagePRESS C1+ II, please contact a local authorized Canon dealer.

15.4 Paper Grain and Curl

Paper grain and curl can dramatically affect the reliability of machines utilizing an electrostatic process like the imagePRESS C1+ II. Paper used in an offset press is usually cut for short edge feeding. This type of paper is not as reliable as paper made for machines utilizing an electrostatic process, which is cut for long edge feeding. Also, the composition of electrostatic paper is different from offset paper, and produces better quality results in a digital press machine. When selecting paper for the imagePRESS C1+ II choose paper intended for use in electrostatic machines, such as laser printers and copiers.

If paper jams or poor print quality occur when paper is fed from the stack bypass or paper decks, paper curl is often the cause. The paper stiffness, direction of curl, and amount of curl have a strong influence on how well the paper is transported through the machine. If paper is curled, always adjust the curl amount to the appropriate level as described below.

Paper stiffness depends on the direction of the paper grain. Paper tends to curl in the direction parallel to the grain.



IMPORTANT

- When using LTR or smaller paper sizes we recommend using paper with a grain parallel to the long edge (A). For paper sizes larger than 11" x 17", we recommend using paper with a grain parallel to the short edge (B). When using coated paper thinner than 105 g/m², we recommend using paper with a grain perpendicular to the feeding direction of the paper.
- If you are using 12 point, 243 g/m² paper in the Saddle Stitch mode, it is best to use paper that is cross-grained. Thick, long grain LTR paper will not fold as easily. Cross-grained paper is more flexible, resulting in a smoother crease along the direction of the fold.

15.5 Note for Customers Who Cut Their Own Media

Follow the precautions below to minimize improper paper feeding, avoid paper registration inaccuracies and paper jams.

- Have a regimented process in place to make sure that the cutting blades are sharpened, and that cuts are made as clean as possible.
- Feed the paper by the mill cut side first.
- Pay special attention to the paper grain orientation when cutting it. For more information on paper grain, see [“Paper Grain and Curl,”](#) on p. 43.

15.6 Media Feed Locations

As with all Canon copiers, certain feed locations within the device are capable of feeding specific media sizes and weights. Naturally, the stack bypass accommodates heavier and a wider variety of paper sizes than other feed locations.

When considering media, make sure the media is within the proper size and weight parameters of the feed locations. Once the desired media is selected the appropriate feed location must be selected.

The default paper types registered in the machine are shown in the table below.

✓ : Available - : Unavailable

Paper Type	Paper Source			
	Paper Drawer (17 lb bond to 110 lb index (64 to 209 g/m ²))	Stack Bypass (17 lb bond to 140 lb index (64 to 256 g/m ²))	Paper Deck-AB1 (17 lb bond to 110 lb index (64 to 209 g/m ²))	Paper Deck-AA1 (17 lb bond to 140 lb index (64 to 256 g/m ²))
Thin* ¹	✓	✓	✓	✓
Plain* ²	✓	✓	✓	✓
Heavy 1 -2* ³	✓	✓	✓	✓
Heavy 3 – 4* ⁴	✓	✓	✓	✓
Heavy 5* ⁵	-	✓	-	✓
Recycled 1 – 3* ⁶	✓	✓	✓	✓
Recycled 4* ⁷	-	✓	-	✓
Color* ¹	✓	✓	✓	✓
Pre-punched* ⁸	✓	✓	✓	✓
Bond Paper	✓	✓	-	✓
Transparency* ⁹	✓	✓	-	✓
Labels	-	✓	-	✓
Tab Paper* ¹⁰	✓	-	-	-
Coated Paper* ¹¹	-	✓* ¹⁴	-	✓
Texture Paper* ¹²	-	✓	-	✓
Vellum* ¹³	-	✓	-	✓

*1 Thin and Color paper are from 17 to 20 lb bond (64 to 79 g/m²).

*2 Plain paper is from 20 to 28 lb bond (80 to 105 g/m²).

*3 Heavy 1 paper is from 57 to 72 lb index (106 to 128 g/m²). Heavy 2 paper is from 72 to 83 lb index (129 to 150 g/m²).

*4 Heavy 3 paper is from 83 to 97 lb index (151 to 180 g/m²). Heavy 4 paper is from 97 to 110 lb index (181 to 209 g/m²).

*5 Heavy 5 paper is from 110 to 142 lb index (210 to 256 g/m²).

*6 Recycled 1 paper is from 17 to 20 lb bond (64 to 79 g/m²). Recycled 2 paper is from 20 to 28 lb bond (80 to 105 g/m²), and Recycled 3 paper is from 40 to 47 lb bond (151 to 180 g/m²). Use of 100% recycled paper is acceptable.

*7 Recycled 4 paper is from 56 to 64 lb bond (210 to 256 g/m²). Use of 100% recycled paper is acceptable.

*8 Pre-punched paper is from 17 to 28 lb bond (64 to 105 g/m²).

*9 Use only LTR transparencies made especially for this machine.

*10 Tab paper is from 83 to 110 lb index (151 to 180 g/m²).

*11 Coated paper is from 28 to 64 lb bond (106 to 256 g/m²).

*12 Texture paper is from 20 to 64 lb bond (80 to 256 g/m²).

*13 Vellum paper is from 20 to 32 lb bond (80 to 128 g/m²).

*14 Feed coated paper one sheet at a time.

15.7 Paper Sizes and Feed Location Chart

The table below represents the available paper sizes and feed locations. Paper Deck-AB1 and Paper Deck-AA1 are optional.

✓ : Available - : Unavailable

Paper Size	Width x Length	Paper Source			
		Paper Drawers 1, 2, 3, and 4	Stack Bypass	Paper Deck-AB1	Paper Deck-AA1
13" x 19"	13" x 19"	✓	✓	-	✓
12.60" x 17.72"	12.60" x 17.72"	✓	✓	-	✓
12" x 18"	12" x 18"	✓	✓	-	✓
11" x 17"	11" x 17"	✓	✓	-	✓
LGL	8 1/2" x 14"	✓	✓	-	✓
LTR	8 1/2" x 11"	✓	✓	✓	✓
LTRR	11" x 8 1/2"	✓	✓	-	✓
STMTR	5 1/2" x 8 1/2"	✓	✓	-	-
EXEC	7 1/4" x 10 1/2"	✓	✓	-	-
Irregular Size	3 15/16" x 5 7/8" to 13" x 19" (100 mm x 148 mm to 330 mm x 483 mm)	-	✓	-	-

16. Image Quality Capabilities

The table below describes the type of image quality the customer can expect when using the machine.



IMPORTANT

Following installation and set up, it is strongly recommended that owners of the imagePRESS C1+ II print and store samples of the image quality the product is capable of producing. These samples should serve as a benchmark against which subsequent image quality can be referenced. Samples should be made using as many applications, media, and paper types the owner intends to use on the imagePRESS C1+ II.

Item	Equipment Capability	Comment
Overall Document Appearance	No three dimensional appearance. Will have look and feel of offset printing. Uniform look and feel.	
Color Uniformity	Color is uniform throughout the document. Gradations are smooth and even.	Extreme high-humidity conditions can lead to mottling.
Color Registration	Color registration is done automatically.	
Color Consistency/Stability	Color can be consistent throughout the document, and from one document to another.	
Color Matching	Capable of rendering many of the Pantone color swatches that are used in the graphic arts industry.	
Line Quality	Even, fine lines can be reproduced.	Extreme high-humidity conditions can lead to break up or blurriness of lines.
Black Reproduction	Blacks are well saturated without mottling.	Extreme high-humidity conditions can lead to mottling.
Text Quality	Sharp, well defined text. No hollow characters or haloing of text characters.	Extremely high-humidity conditions can lead to hollow or the haloing of characters.
Level of Back Grounding	Stray toner in nonimage areas is unperceivable.	Environmental conditions, such as low-humidity, can increase levels of back grounding.
Gloss Level	The gloss level of the final document is dependent on the type of media used.	
Other Artifacts	As with any printing process, some artifacts are likely to occur. These may include spots, void or deleted areas, mottling, streaks, and banding. However, their levels will not be significant for most users.	Due to variations in paper/media stock, and environmental conditions, some of these artifacts are likely to occur. Proper servicing of the equipment and adherence to media and environmental requirements will minimize these occurrences.

16.1 Customer-Defined Image Quality Adjustments and Recommendations

Customer-defined image quality adjustments enable you to enhance the productivity of your machine. There are several user modes, such as the Adjustment/Cleaning Settings, Device Management Settings, and Paper Type Management Settings, which provide adjustment functions to help maintain the desired color consistency for each job. These settings also aim at reproducing optimal images under variable factors, such as changes in the environment.

16.1.1 Adjustment/Cleaning Settings

The Adjustment/Cleaning Settings mode is for customers who want to make fine adjustments to the printed image. For more information on specifying the Adjustment/Cleaning Settings modes, see Chapter 4, “Customizing Settings,” in the *Reference Guide* that came with your machine.

You can adjust the following items through the Adjustment/Cleaning Settings menu:

- Zoom Fine Adjustment
- Auto Gradation Adjustment
- Exposure Recalibration
- Shading Correction
- Curl Correction for Each Paper Source
- Saddle Stitcher Staple Repositioning
- Saddle Stitch Position Adjustment



IMPORTANT

- The user should perform an auto gradation adjustment and a Fiery Calibration daily. For optimal quality, the user should also perform an auto gradation adjustment whenever a change in print quality is noticed and when dither pattern adjustments are made. Use only 28 lb (105 g/m²) Hammermill Laser 11” x 17” paper when performing an auto gradation adjustment.
- You may experience a decrease in productivity if a job contains different paper thicknesses or types.

16.1.2 Device Management Settings

The Device Management Settings mode is for customers who want to make fine adjustments to the printed image. A special menu must be activated by an authorized service dealer to access the Device Management Settings modes. For more information on specifying the Device Management Settings modes, see Chapter 6, “System Manager Settings,” in the *Reference Guide* included with your machine.

You can adjust the following items through the Device Management Settings menu:

- Auto Gradation Adjustment
- Shading Correction
- Dither Pattern Settings
- Color Balance
- Exposure Recalibration when Scanning
- Density Adjustment Mode
- Refresh the Fixing Roller
- Fixing Roller Auto Refresh Level
- Color Cast Correction
- Tail End Color Fading/Graininess Correction
- White Gap Correction
- 2-Sided Print Image Uneven Gloss Correction
- Tail End White Patch Correction
- Adjust Clear Toner Density
- Clear Coat Form Composition Coating



IMPORTANT

- The user should perform an auto gradation adjustment and a Fiery Calibration daily. For optimal quality, the user should also perform an auto gradation adjustment whenever a change in print quality is noticed and when dither pattern adjustments are made. Use only 28 lb (105 g/m²) Hammermill Laser 11” x 17” paper when performing an auto gradation adjustment.
- You may experience a decrease in productivity if a job contains different paper thicknesses or types.

16.1.3 Paper Type Management Settings

The Paper Type Management Settings mode is for customers who want to precisely adjust the image quality and front-to-back registration per custom paper type that is registered in the machine. A special menu must be activated by an authorized service dealer to access the Paper Type Management Settings modes. For more information on specifying the Paper Type Management Settings modes, see Chapter 6, “System Manager Settings,” in the *Reference Guide* that came with your machine.

You can adjust the following items through the Paper Type Management Settings menu:

- Creep (Displacement) Correct.
- Color
- Curl Correction Level
- Gloss Adjustment
- Paper Separation Fan Level
- Image Location Adjustment
- Secondary Transfer Voltage

17. Responsibility Matrix

Please discuss this Responsibility Matrix with your customer and check off who owns each action in the table below.

Action	Responsibility	
	Customer	Dealer
Ensure adequate space and power to properly install machine.		
Verify floor strength and level.		
Ensure that the equipment can be delivered to the site, and that the path is clear and unobstructed.		
Unpack all delivered items.		
Install all system hardware.		
Connect all system components.		
Install printer files and server.		
Ensure network configuration, and confirm that the device is attached to the network.		
Install client workstation network software.		
Load additional fonts (as required).		
Order and replace, as necessary, customer replaceable items, such as toner.		
Order and replace the waste toner container, as necessary.		
Provide technical support.		
Provide on-site support.		
Establish an installation file of a typical job, and retain for future reference.		
Perform Shading Correction once a day.* ¹		
Perform Auto Gradation Adjustment once a day.* ¹		
Perform an imagePRESS Server Calibration for color consistency once a day.* ¹		

*1 For more information, see Chapter 6, "System Manager Settings," in the *Reference Guide* included with the machine.

Primary customer applications for using this equipment:

Special considerations or performance limitations:

I have received a copy of this document.

Customer:

Sales Person:
