imagePRESS C7000VP

Customer Expectations Document

Version 1

Systems & Technical Support Division
Imaging Systems Group, Canon U.S.A.

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IMPORTANT

The purpose of this Customer Expectations Document is to explain the current features and capabilities of the imagePRESS C7000VP, and address the customer's expectations before he/she purchases the machine.

The information included in this document has been pulled from various sources, including product reference guides, service guides, user manuals, as well as results from internal Canon testing. Specifications and other information contained herein may vary slightly from actual device values or those found in advertising and other printed matter. Part numbers, yield information, and specifications are subject to change without notice; however, this document will be revised as new information becomes available. Dealers can access the latest revision of this document from the Download Center page in the e-Support Web site.

1. Introduction

The Canon imagePRESS C7000VP Customer Expectations Document contains information about the features and capabilities of the Canon imagePRESS C7000VP. 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 C7000VP. It is also recommended that those interested in purchasing the imagePRESS C7000VP have, and familiarize themselves with, the information in this document prior to making their purchase.

2. Product Overview

The Canon imagePRESS C7000VP is designed to produce the highest color image quality in the marketplace, and maintains high-durability, productivity, and value. This high-quality digital press also upholds output printing and copying speeds of 70 ppm for both color and black-and-white LTR size documents.

The imagePRESS C7000VP has full color image quality, various media support with the largest image area and highest color consistency and durability. As a printer, the machine is capable of printing up to 1200 x 1200 lpi and dpi. As a copier, the imagePRESS C7000VP can enhance the digital resolution of your document by scanning in up to 600 x 600 lpi and dpi, and output the image in 1200 x 1200 lpi and dpi interpolated resolution. This results in higher quality characters, smoother corners, and cleaner gradient transitions. Text appears sharper and graphics appear extremely clear and detailed.

The imagePRESS C7000VP is designed with new technologies, such as the oil-less V toner, E drum, Twin Red Imaging Laser Beam scanner, Twin Sleeve Developer Unit, and Real Time and Post Fusing calibration to achieve unparalleled image quality, color consistency, and media versatility.

2.1 Summary of Functions

Function	imagePRESS C7000VP
Output Speed (Color)	70 ppm (LTR)
Output Speed (B&W)	70 ppm (LTR)
Resolution	1200 lpi (true) 1200 dpi (interpolated)
Gradations	256 levels
Max. Paper Size	13” x 19.2”
Max. Paper Weight	110 lb cover (300 g/m^2)
Printer Memory	1.5 GB
Copy	Yes (w/ optional Reader)
Mail Box	Yes
Network	Yes
Remote UI	Yes
MEAP Capability	Yes
Controllers	imagePRESS Server A3000 imagePRESS Server A2000 Color UFR II/PCL/PS Printer Kit
Network Scanning	Yes (w/ optional Reader)
Send	Optional (Universal Send) (TBA)

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 C7000VP digital press, the drum is imaged; the toner is applied, and then transferred to the AITB (Advanced Imaging Transfer Belt). The AITB 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 C7000VP performs image stabilization control to ensure stable print quality over an extended period of time.

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*	101.8”	2,586 mm	44.75”	1,135 mm	52.4”	1,330 mm
POD Deck-A1	38.7”	987 mm	31.25"	792 mm	43.12"	1,095 mm
Secondary POD Deck-A1	31.9”	811 mm	31.2"	792 mm	45.6"	1,158 mm
Paper Deck-AC1	23.7”	601 mm	24.5"	621 mm	22.5"	570 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
Primary High Capacity Stacker-C1	33.8”	860 mm	30.12”	765 mm	48.8”	1,240 mm
Secondary High Capacity Stacker-C1	33.8”	860 mm	30.12”	765 mm	48.8”	1,240 mm
Saddle Finisher-AB2	41.6”	1,057 mm	31.25”	792 mm	46.5”	1,180 mm
Finisher-AB1	31.5”	800 mm	31.25”	792 mm	46.5”	1,180 mm
Puncher Unit-V1	Part of the Finisher-AB1 or Saddle Finisher-AB2					
Booklet Trimmer-C1	62"	1,575 mm	30.37"	770 mm	41"	1,040 mm
Document Insertion Unit-C1	24.63"	625 mm	26.25"	667 mm	8.37"	213 mm

*The Marking Engine, Fixing Unit, and Power Station Unit all make up what is hereinafter referred to as the “Main Unit.”

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	2,645 lb	1,200 kg
POD Deck-A1	551 lb	250 kg
Secondary POD Deck-A1	507 lb	230 kg
Paper Deck-AC1	112.4 lb	51 kg
Color Image Reader-H1	38.5 lb	17.5 kg
DADF-R1	47.3 lb	21.5 kg
Primary High Capacity Stacker-C1	440 lb	200 kg
Secondary High Capacity Stacker-C1	440 lb	200 kg
Saddle Finisher-AB2	392.4 lb	178 kg
Finisher-AB1	277.7 lb	126 kg
Puncher Unit-V1	6 lb	3 kg
Booklet Trimmer-C1	335 lb	152 kg
Document Insertion Unit-C1	37.5 lb	17 kg

3.3 Installation and Service Space

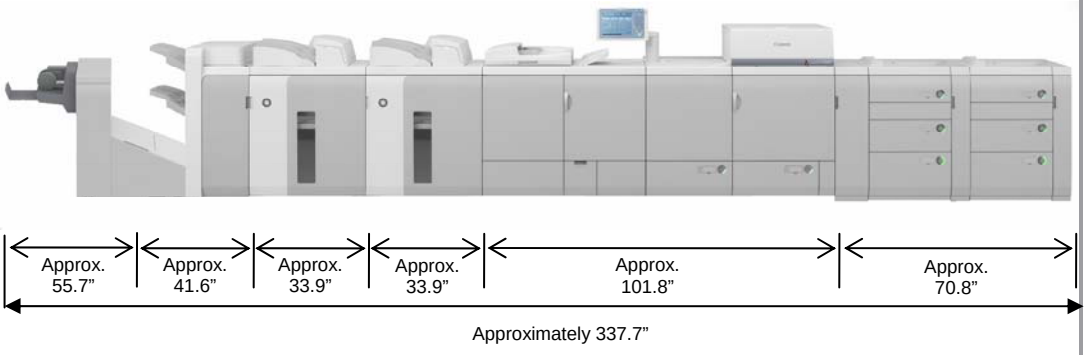
The site must provide enough space for unrestricted operation, maintenance work, and proper ventilation. The machine dimensions are in diagrams on the next page. Every attempt should be made to install the equipment in a room that is large enough to allow for proper servicing and maintenance of the equipment,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

IMPORTANT

- Keep the back of the machine at least 39 23/64” (1,000 mm) away from a wall.
- The floor must be level (with no bows) for the stabilization and support of the machine.
- You must have at least 36” of clear doorway opening for machine installation, and an elevator depth of approximately 56”. Additional clearance may be needed to negotiate turns.

3.3.1 Dimensions Diagrams

Provide at least 3 feet on each side of the machine for unrestricted operation, including the opening of the Stacker door (approx. 34 1/4").

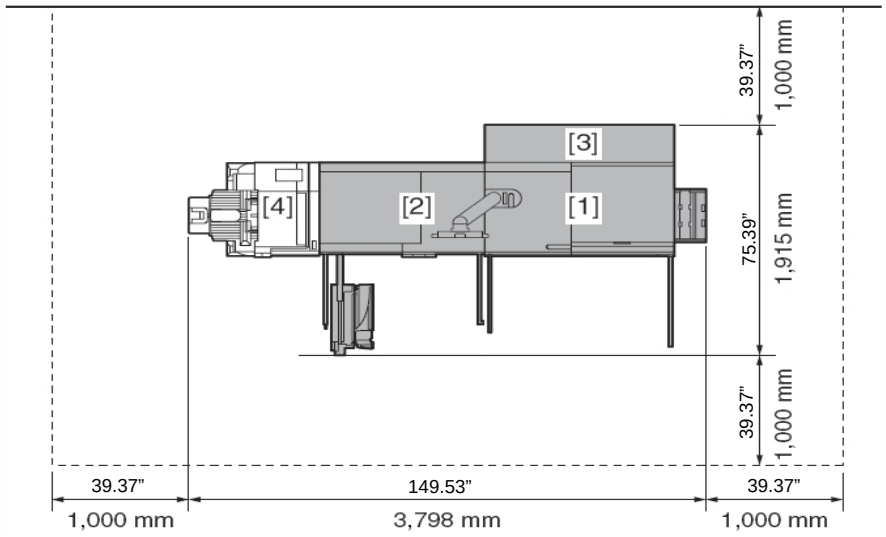


3.3.2 Installation Space Diagrams

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

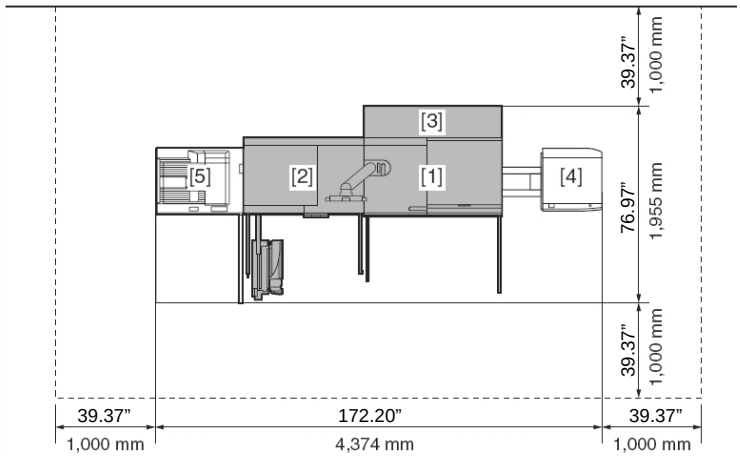
There must be enough space around the machine. The following diagrams show the minimum dimensions; whenever possible, be sure there will be more space than indicated.

The optional Saddle Finisher-AB2 is attached.



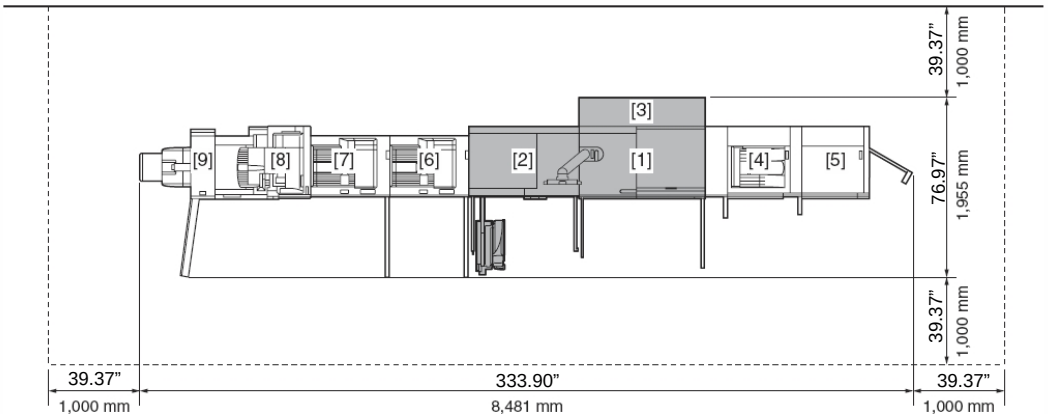
[1] Main Station	[3] Power Unit Station
[2] Sub Station	[4] Saddle Finisher-AB2

The optional High Capacity Stacker-C1 and Paper Deck-AC1 are attached.



[1] Main Station	[4] Paper Deck-AC1
[2] Sub Station	[5] High Capacity Stacker-C1
[3] Power Unit Station	

Maximum Configuration



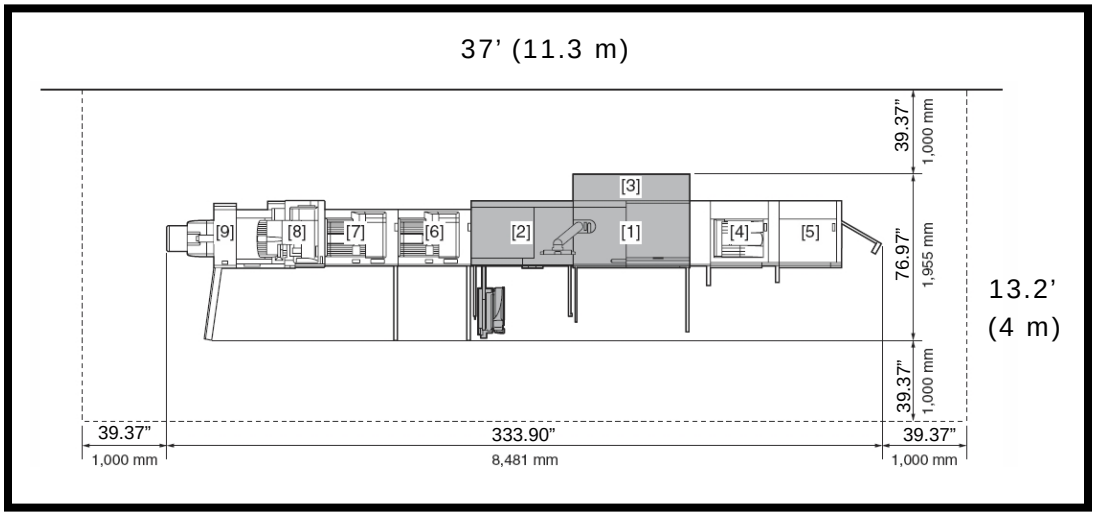
[1] Main Station	[6] High Capacity Stacker-C1
[2] Sub Station	[7] High Capacity Stacker-C1 (Secondary)
[3] Power Unit Station	[8] Finisher-AB1/Saddle Finisher-AB2
[4] POD Deck-A1	[9] Booklet Trimmer-C1
[5] Secondary POD Deck-A1	

IMPORTANT

- The maximum configuration (fully configured machine) includes 2-POD Decks-A1, the Main Unit (1-Marking Engine, 1-Fixing Unit, 1-Power Station Unit), 2-High Capacity Stackers-C1, Saddle Finisher-AB2, and Booklet Trimmer-C1.
- The fully configured width of the machine includes opening space for the POD Deck door and the extended tray of the Booklet Trimmer.

3.4 Recommended Floor Space Requirements

For a fully configured imagePRESS C7000VP (2-POD Decks-A1, 1-Main Unit, 2-High Capacity Stackers-C1, Saddle Finisher-AB2, Booklet Trimmer-C1, and imagePRESS Server A3000 with stand), it is recommended that there be at least 37’ (W) x 13.2’ (D) of floor space.



IMPORTANT

The imagePRESS C7000VP was created to be modular in design. Your floor space, budget, monthly copy/print volume, and applications will determine which configuration will work best for you. Any configuration of up to 2-POD Decks-A1 and 2-High Capacity Stackers-C1 may be connected at once. The Saddle Finisher-AB2 or Finisher-AB1, and Booklet Trimmer-C1 may be connected at the same time as well. Please note that the imagePRESS C7000VP will require some type of finishing option (Saddle Finisher-AB2, Finisher-AB1, or High Capacity Stacker-C1).

3.5 Floor Structure Requirements

The floor on which this machine is installed must have strength of at least 92.2 lb/ft^2 (450 kg/m^2). If the floor does not have this level of strength, consult your building contractor before installing the machine.

The weight of the machine is distributed on the floor through the adjusters and wheels. We recommend the use of a floor plate to distribute the weight. We also recommend the use of a floor plate when installing the machine on carpet or wood flooring. For more information on floor plates, contact your local authorized Canon dealer. Do not install the machine on an unstable floor or platform.

3.6 Delivery Pathway

The dimensions of the imagePRESS C7000VP are:
101 7/8” (W) x 44 3/4” (D) x 52 3/8” (H)
(2,586 mm (W) x 1,135 mm (D) x 1,330 mm (H)). (If the operation panel is attached, the height is 58 3/4” (1,475 mm).) With these dimensions in mind, check to make sure that there is enough space to deliver the machine, and to bring the machine to its final installation site.

3.7 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 models.

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

4. Power/Electrical Requirements

The imagePRESS C7000VP requires a NEMA L21-30 receptacle for the main unit and proper operation.

NEMA L21-30 Receptacle

4.1 Power Requirements for the Main Unit and Optional Accessories

Part or Accessory	Power Supply	Power Supply Cord/Plug Specifications	Length of Power Cord
Main Unit	3 Phase 208 V/30 A outlet	NEMA L21-30	9' 8" (3 m)
POD Deck-A1[*1]	1-208 V/6 A outlet (regardless of the number of POD Decks connected)	NEMA 6-15 UL498, 2-pole, 3-wire, grounding devices rated 250 V/15 A	6' (1.8 m)
High Capacity Stacker-C1[*2]	1-115 V/7 A outlet (regardless of the number of stackers connected)	NEMA 5-15	6' (1.8 m)
Saddle Finisher-AB2	1-208 V/8 A outlet	NEMA 6-15 UL498, 2-pole, 3-wire, grounding devices rated 250 V/15 A	6' (1.8 m)
Finisher-AB1	1-208 V/8 A outlet	NEMA 6-15 UL498, 2-pole, 3-wire, grounding devices rated 250 V/15 A	6' (1.8 m)
imagePRESS Server A2000	1-115 V/6 A outlet	NEMA 5-15	6' (1.8 m)
imagePRESS Server A3000	2-115 V/6 A outlets	NEMA 5-15	6' (1.8 m)

*1 The Secondary POD Deck-A1 draws power from the POD Deck-A1.

*2 If you connect a second High Capacity Stacker-C1, the second stacker draws power from the first stacker.

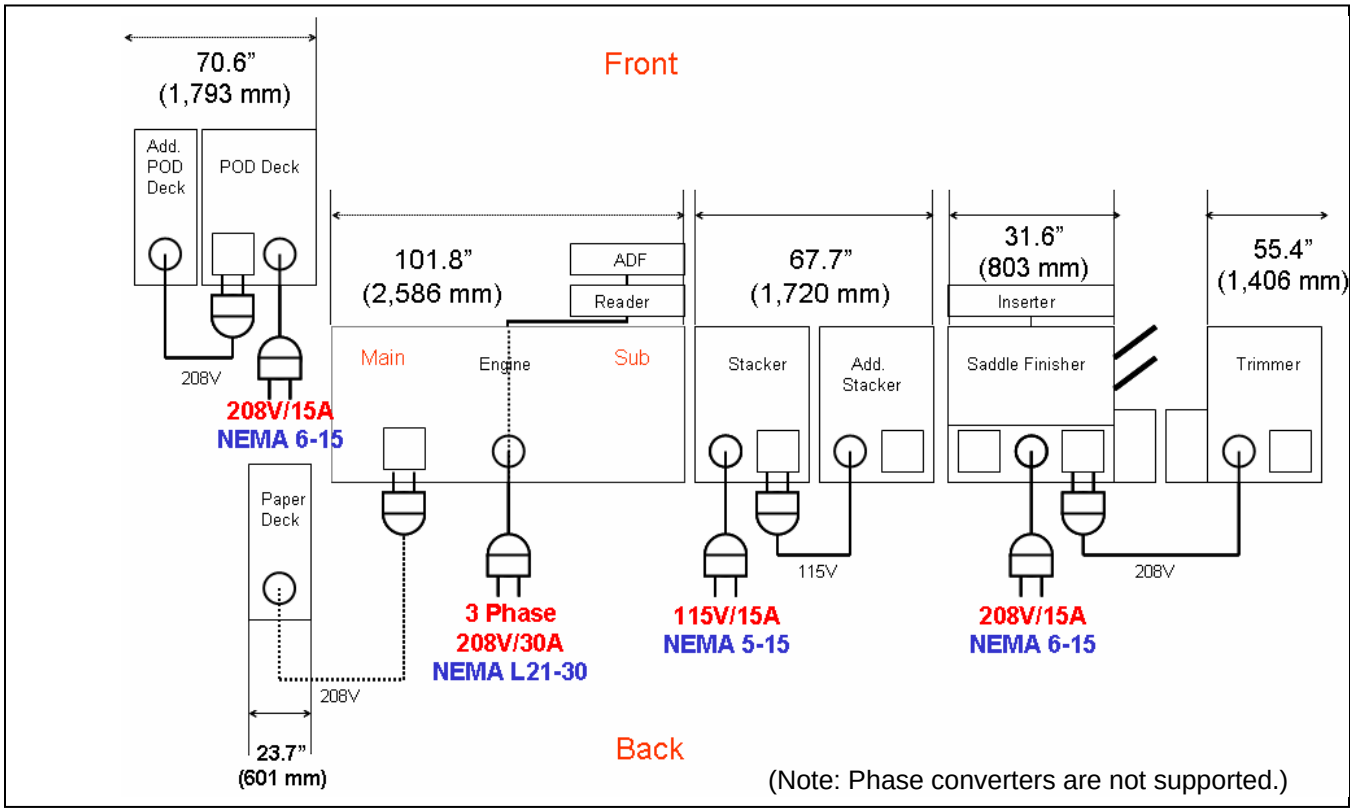
IMPORTANT

- If the optional Advanced Controller Interface Kit is installed on the imagePRESS Server A2000 (standard equipment on the imagePRESS Server A3000), an additional 115 V/6 A (NEMA 5-15) is required.
- We recommend an additional standard 115 V/15 A outlet for service tools, such as a laptop or vacuum that may be attached.
- Use only dedicated outlets for the main unit and each optional accessory. Do not use extension cords.

NOTE

The Puncher Unit-V1, Document Insertion Unit-C1, DADF-R1, Color Image Reader-H1, Booklet Trimmer-C1, and Paper Deck-A1 do not require any additional outlets.

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



IMPORTANT

Canon USA strongly recommends that dedicated and properly grounded outlets be provided for the devices mentioned above. 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 reference voltage. The internal logic and programming of the imagePRESS C7000VP will not perform reliably because there is an insufficient difference between the internal operating signal voltages and the poor ground reference signal. A qualified electrician can measure and provide the ground source that the imagePRESS C7000VP or any computer controlled office equipment requires.

Before installation, confirm that a dedicated NEMA L21-30 receptacle is available as needed.

5. Environmental Factors and Requirements

Operating Temperature:	Between 68°F (20°C) and 80.6°F (27°C)
Humidity:	Between 30% and 70%
Atmospheric Pressure:	810.6 to 1,013 hPa (0.8 to 1.0 atm)
Noise (sound level):	Standby: 74 dB; Copying: 82 dB
Ozone Emissions:	0.01 ppm (parts per million) or less (initial startup) 0.035 ppm or less (after a short break-in period)

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 machine should not be installed in locations with significant shifts in temperature and humidity (outside the base specifications). Areas containing water, or equipment that generates a heat discharge, such as a heater or stove, should be avoided unless proper control is available.

During operation, the permissible 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).

There is a risk that paper feeding and image quality may be affected if the machine is used in a location that does not meet these specifications.

The permissible 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, lose resistance, and toner will not adhere to the paper as well.

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, and cause a machine malfunction due to condensation. To avoid these issues, control the temperature gradient so that it does not exceed 18°F/H (10°C/H).

5.3 Ventilation

Ensure that there is an air exchange rate of at least 1.5 times per hour, and at least 3,885 ft^3 (110 m^3) 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.

6. Specifications

6.1 Main Unit

Item	Specifications
Name	Canon imagePRESS C7000VP
Type	Console
Color Supported	Full Color
Resolution for Writing	1,200 dpi x 1,200 dpi
Resolution for Scanning	600 x 600 dpi
Number of Tones	256
Paper Size/Weight/Type	Size: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, EXEC, and Irregular Size (7 1/8" x 7 1/8" to 13" x 19 13/64" (182 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 17 lb bond to 110 lb cover (64 to 300 g/m²) Thickness: Fewer than 350 mm Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Tab Paper, Coated, Texture Paper, Vellum
Margin	Top Margin: 1/8" (2.5 mm) Left and Right Margins: 1/8" (2.5 mm) Bottom Margin: 1/8" (2.5 mm)
Warm-Up Time	After Powering ON: Fewer than 7 minutes Returning from the Sleep 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: 28 seconds (without the Reader) Black-and-White*: 28 seconds (without the Reader) * When the Black mode is set
Copy Speed (Except when paper is fed from the optional Stack Bypass-A1)	Direct (sheets/minute) in both the Full Color and Black modes 12.60" x 17.72" 33.6 sheets/minute (17 lb bond to 110 lb cover (64 to 300 g/m^2)) 13" x 19" 31.3 sheets/minute (17 lb bond to 110 lb cover (64 to 300 g/m^2)) 12" x 18" 33.1 sheets/minute (17 lb bond to 110 lb cover (64 to 300 g/m^2)) 11" x 17" 35.0 sheets/minute (17 lb bond to 110 lb cover (64 to 300 g/m^2)) LGL 41.8 sheets/minute (17 to 28 lb bond (64 to 105 g/m^2)) 33.3 sheets/minute (28 lb bond to 63 lb cover (106 to 170 g/m^2)) 25.1 sheets/minute (63 to 110 lb cover (171 to 300 g/m^2)) LTR 70.0 sheets/minute (17 lb bond to 110 lb cover (64 to 300 g/m^2)) LTRR 53.2 sheets/minute (17 to 28 lb bond (64 to 105 g/m^2)) 42.4 sheets/minute (28 lb bond to 63 lb cover (106 to 170 g/m^2)) 31.9 sheets/minute (63 to 110 lb cover (171 to 300 g/m^2)) EXEC 70.0 sheets/minute (17 lb bond to 63 lb cover (64 to 170 g/m^2)) 61.1 sheets/minute (63 to 110 lb cover (171 to 300 g/m^2))

Main Unit Table Continued

Item	Specifications
Paper Feeding System/ Capacity	1,000 sheets x 2 paper decks (20 lb bond (80 g/m²))
Multiple Copies	1 to 9,999 sheets
Power Source	3-phase, 3-line 208 V AC, 60 Hz, 30 A (one power cord)
Maximum Power Consumption	8,500 W
Dimensions (H x W x D)	52 3/8" x 101 7/8" x 44 3/4" (1,330 mm x 2,586 mm x 1,135 mm)
Weight	Approximately 2,645 lb (1,200 kg)
Installation Space (W x D)	101 7/8" x 44 3/4" (2,586 mm x 1,135 mm) (main unit only, excluding the output tray) 175 3/4" x 44 3/4" (4,463 mm x 1,135 mm) (when the optional POD Deck-A1 and Finisher-AB1 are attached) 101 7/8" x 73 1/8" (2,586 mm x 1,856 mm) (when clearing paper jams, main unit only, excluding the output tray) 194 3/8" x 73 1/8" (4,937 mm x 1,856 mm) (when clearing paper jams, and when the optional POD Deck-A1 and Finisher-AB1 are attached)
Altitude	13,123' (4,000 m (3,578.4 hPa)) maximum
Temperature while in Use	68 to 80.6°F (20 to 27°C)
Humidity	30 to 70% RH

6.2 Color Image Reader-H1

Item	Specifications
Type	Flat Bed
Resolution for Reading	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. 140 W maximum
Dimensions (H x W x D)/ Weight	4 1/8" x 28 7/8" x 23 1/2" (105 mm x 732 mm x 595 mm) (excluding the document feeder) 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	Original Supply Tray: 11" x 17", LGL, LTR, LTRR, or STMT (STMT originals cannot be placed horizontally (STMTR).) 1-sided scanning: 13 to 57 lb bond (50 to 216 g/m^2) 2-sided scanning: 13 to 57 lb bond (50 to 216 g/m^2) for LTR, and 13 to 53 lb bond (50 to 200 g/m^2) for 11" x 17", LGL, and LTRR SADF Tray: 11" x 17", LGL, LTR, LTRR, or STMT (STMT originals cannot be placed horizontally (STMTR).) 10 to 57 lb bond (38 to 216 g/m^2)
Original Tray Capacity	Original Supply Tray: 100 sheets (20 lb bond (80 g/m^2)) SADF Tray: 1 sheet
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. 100 W maximum
Dimensions (H x W x D)/ Weight	5 5/8" x 25 1/2" x 22 3/8" (143 mm x 646 mm x 569.5 mm) Approximately 47.3 lb (21.5 kg) (excluding the output tray)

6.4 POD Deck-A1/Secondary POD Deck-A1

Item	Specifications
Paper Size/Weight/Type	Size: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, EXEC, and Irregular Size (7 1/8" x 7 1/8" to 13" x 19 13/64" (182 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 17 lb bond to 110 lb cover (64 to 300 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum
Paper Deck Capacity	Upper and Middle Decks: 1,000 sheets x 2 paper decks (20 lb bond (80 g/m^2)) Lower Deck: 2,000 sheets x 1 paper deck (20 lb bond (80 g/m^2))
Power Source	POD Deck-A1: 200 to 208 V AC, 50/60 Hz, 6 A Secondary POD Deck-A1: From POD Deck-A1 (200 to 240 V AC, 50/60 Hz)
Maximum Power Consumption	POD Deck-A1 Only: 680 W POD Deck-A1 + Secondary POD Deck-A1: 1,310 W
Dimensions (H x W x D)/ Weight	POD Deck-A1 Only: 43 1/8" x 38 7/8" x 31 1/4" (1,095 mm x 987 mm x 792 mm) (including the escape tray) Approximately 551 lb (250 kg) POD Deck-A1 + Secondary POD Deck-A1: 43 1/8" x 70 3/4" x 31 1/4" (1,095 mm x 1,798 mm x 792 mm) (including the escape tray) Approximately 1,058 lb (480 kg)
Installation Space (W x D)	POD Deck-A1 Only: 140 5/8" x 44 3/4" (3,573 mm x 1,135 mm) POD Deck-A1 + Secondary POD Deck-A1: 172 5/8" x 44 3/4" (4,384 mm x 1,135 mm)

6.5 Paper Deck-AC1

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 110 lb cover (64 to 300 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum
Paper Deck Capacity	3,500 sheets (20 lb bond (80 g/m^2))
Power Source	200 to 240 V AC, 50/60 Hz, 1.2 A; from the main unit
Maximum Power Consumption	280 W maximum (including the deck heater)
Dimensions (H x W x D)/ Weight	22 1/2" x 23 5/8" x 24 1/2" (570 mm x 601 mm x 621 mm) Approximately 112.4 lb (51 kg)
Installation Space (W x D)	125 1/2" x 44 3/4" (3,187 mm x 1,135 mm)

6.6 Stack Bypass-A1 (Soon to Be Released)

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 (5 31/64" x 7 1/8" to 13" x 19 13/64” (139.7 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 17 lb bond to 110 lb cover (64 to 300 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum
Paper Capacity	100 sheets (20 lb bond (80 g/m^2))

6.7 Finisher-AB1

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 (5 31/64" x 7 1/8" to 13" x 19 13/64" (139.7 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 17 lb bond to 110 lb cover (64 to 300 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum
Capacity Per Tray	No Collating, Collate, or Group Mode Tray A: If the High Volume Stack Mode is set to 'Off': 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC: 1,000 sheets (or 5 3/4" (147 mm) in height) If the High Volume Stack Mode is set to 'On': (The maximum stack volume may vary, depending on the paper type.) (When the optional Booklet Trimmer-C1 is attached, the High Volume Stack Mode is not available.) LTR, LTRR, STMTR, EXEC: 3,000 sheets (or 16 5/8" (423 mm) in height) 11" x 17", LGL: 1,500 sheets (or 8 1/2" (216 mm) in height) 13" x 19", 12" x 18": 1,000 sheets (or 5 3/4" (147 mm) in height) Tray B: LTR, LTRR, EXEC: 2,000 sheets (or 11 1/4" (285 mm) in height) 12" x 18", 11" x 17", LGL: 1,000 sheets (or 5 3/4" (147 mm) in height) Staple Mode Tray A: (When the optional Booklet Trimmer-C1 is attached, Tray A is not available for the Staple mode.) 11" x 17", LGL, LTR, LTRR, EXEC: 1,000 sheets/100 sets (or 5 3/4" (147 mm) in height) Tray B: LTR, LTRR, EXEC: 2,000 sheets/100 sets (or 11 1/4" (285 mm) in height) 11" x 17", LGL: 1,000 sheets/100 sets (or 5 3/4" (147 mm) in height) No Collating, Collate, Group, and Staple Modes with Different Paper Sizes: 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC: 1,000 sheets/100 sets (or 5 3/4" (147 mm) in height) - The Staple mode cannot be used with 12" x 18" and STMTR paper - STMTR cannot be output to Tray B

Finisher-AB1 Table Continued

Item	Specifications
Max. Stapling Capacity/Available Staple Size	When the Standard Staple Cartridge Is Attached: (The maximum stapling capacity may vary, depending on the paper type and weight.) LTR, EXEC: 100 sheets (20 lb bond (80 g/m^2)) or Heavy paper stacked less than 1/2" (11 mm) high 98 sheets (20 lb bond (80 g/m^2)) + 2 sheets (73 lb cover (200 g/m^2)) 11" x 17", LGL, LTRR: 50 sheets (20 lb bond (80 g/m^2)) or Heavy paper stacked less than 1/4" (5.5 mm) high 48 sheets (20 lb bond (80 g/m^2)) + 2 sheets (73 lb cover (200 g/m^2)) Corner Stapling: 11" x 17", LGL, LTR, LTRR, EXEC Double Stapling: 11" x 17", LGL, LTR, LTRR, EXEC
Power Source/Maximum Power Consumption	From the main unit. Approximately 250 W
Dimensions (H x W x D)/Weight	46 1/2" x 31 1/2" x 31 1/4" (1,180 mm x 800 mm x 792 mm) Approximately 277.7 lb (126 kg)
Installation Space (W x D)	175 3/4" x 44 3/4" (4,463 mm x 1,135 mm) (when the optional POD Deck-A1 is attached)

6.8 Saddle Finisher-AB2

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 (5 31/64" x 7 1/8" to 13" x 19 13/64" (139.7 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 17 lb bond to 110 lb cover (64 to 300 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Transparency, Labels, Coated, Texture Paper, Vellum
Capacity Per Tray	No Collating, Collate, or Group Mode Tray A: If the High Volume Stack Mode is set to 'Off': 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC: 1,000 sheets (or 5 3/4" (147 mm) in height) If the High Volume Stack Mode is set to 'On': (The maximum stack volume may vary, depending on the paper type.) (When the optional Booklet Trimmer-C1 is attached, the High Volume Stack Mode is not available.) LTR, LTRR, STMTR, EXEC: 3,000 sheets (or 16 5/8" (423 mm) in height) 11" x 17", LGL: 1,500 sheets (or 8 1/2" (216 mm) in height) 13" x 19", 12.60" x 17.72", 12" x 18": 1,000 sheets (or 5 3/4" (147 mm) in height) Tray B: LTR, LTRR, EXEC: 2,000 sheets (or 11 1/4" (285 mm) in height) 12" x 18", 11" x 17", LGL: 1,000 sheets (or 5 3/4" (147 mm) in height) Staple Mode Tray A: (When the optional Booklet Trimmer-C1 is attached, stapled sheets cannot be sent to Tray A.) 11" x 17", LGL, LTR, LTRR, EXEC: 1,000 sheets/100 sets (or 5 3/4" (147 mm) in height) Tray B: LTR, LTRR, EXEC: 2,000 sheets/100 sets (or 11 1/4" (285 mm) in height) 11" x 17", LGL: 1,000 sheets/100 sets (or 5 3/4" (147 mm) in height) No Collating, Collate, Group, and Staple Modes with Different Paper Sizes: 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC: 1,000 sheets/100 sets (or 5 3/4" (147 mm) in height) - The Staple mode cannot be used with 12" x 18" and STMTR paper - STMTR cannot be output to Tray B Saddle Stitch Mode 2 to 20 sheets/30 sets maximum

Saddle Finisher-AB2 Table Continued

Item	Specifications
Max. Stapling Capacity/ Available Staple Size	When the Standard Staple Cartridge Is Attached: (The maximum stapling capacity may vary, depending on the paper type and weight.) LTR, EXEC: 100 sheets (20 lb bond (80 g/m^2)) or Heavy paper stacked less than 1/2" (11 mm) high 98 sheets (20 lb bond (80 g/m^2)) + 2 sheets (73 lb cover (200 g/m^2)) 11" x 17", LGL, LTRR: 50 sheets (20 lb bond (80 g/m^2)) or Heavy paper stacked less than 1/4" (5.5 mm) high 48 sheets (20 lb bond (80 g/m^2)) + 2 sheets (73 lb cover (200 g/m^2)) Corner Stapling: 11" x 17", LGL, LTR, LTRR, EXEC Double Stapling: 11" x 17", LGL, LTR, LTRR, EXEC
Power Source/Maximum Power Consumption	From the main unit. Approximately 250 W
Dimensions (H x W x D)/Weight	46 1/2" x 31 1/2" x 31 1/4" (1,180 mm x 800 mm x 792 mm) Approximately 392 lb (178 kg)
Installation Space (W x D)	182 3/8" x 44 3/4" (4,633 mm x 1,135 mm) (when the optional POD Deck-A1 is attached)

6.9 Punch Unit-V1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, or EXEC Weight: 17 lb bond to 73 lb cover (64 to 200 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Bond Paper, Tab Paper, Coated, Texture Paper, Vellum
Punch Hole Quantity, Hole Diameter	Two holes: 3/8" (8 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 and LTRR Three holes: 11" x 17", LTR, and EXEC
Punch Waste Tray Capacity	When approximately 5,000 sheets of paper have been punched.
Power Source	From the finisher.
Weight	Approximately 6.6 lb (3 kg) inside the finisher

6.10 Document Insertion Unit-C1

Item	Specifications
Paper Size/Weight/Type	Upper Tray: LTR, LTRR, EXEC, and Irregular Size (7 1/8" x 7 1/8" to 11" x 13" (182 mm x 182 mm to 297 mm x 330.2 mm)) Lower Tray: 13" x 19", 12.60" x 17.72", 12" x 18", 11" x 17", LGL, LTR, LTRR, EXEC, and Irregular Size (7 1/8" x 7 1/8" to 13" x 19 13/64" (182 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 17 lb bond to 110 lb cover (64 to 300 g/m^2) Type: Thin, Plain, Heavy, Recycled, Color, Pre-punched, Bond Paper, Coated, Texture Paper, Vellum
Paper Capacity	Upper Tray: 200 sheets (20 lb bond (80 g/m^2)) Lower Tray: 200 sheets (20 lb bond (80 g/m^2))
Power Source/Maximum Power Consumption	From the finisher. 72 W
Dimensions (H x W x D)/ Weight	8 3/8" x 24 5/8" x 26 1/4" (213 mm x 625 mm x 667 mm) Approximately 37.4 lb (17 kg)

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)/ Weight	1 1/4" x 3 1/2" x 4" (32 mm x 88 mm x 100 mm) Approximately 10.4 oz (295 g)

6.12 High Capacity Stacker-C1

Item	Specifications
Paper Capacity	6,000 sheets maximum
Number of Trays	2 trays
Tray Capacity	Proof Tray: 1,000 sheets Stack Tray: 5,000 sheets
Paper Size/Weight	Size: 13” x 19.2” maximum Weight: 17 lb bond to 110 lb cover (64 to 300 g/m^2)
Stacking Modes	Straight, Offset
Power Source	120 to 127 V, 50/60 Hz, 10 A
Dimensions (H x W x D)/ Weight	48 7/8" x 33 7/8" x 30 1/8" (1,240 mm x 860 mm x 765 mm) Approximately 440 lb (200 kg)

6.13 Booklet Trimmer-C1

Item	Specifications
Margin Trimming Method	Open-End only
Trim Amount	0.08” to 0.78” (2 mm to 20 mm)
Trim Thickness	40 sheets
Output Tray Capacity	Conveyor belt - 30 booklets (or 2,400 pages double-sided) maximum
Booklet Waste Tray Capacity	1,500 sheets of trimmed strips
Acceptable Paper Sizes	11” x 17”, LGL, LTRR
Acceptable Paper Weights	17 lb bond to 110 lb cover (64 to 300 g/m^2)
Power Source	From the finisher.
Dimensions (H x W x D)/ Weight	41" x 52 3/8" x 30 3/8" (1,040 mm x 1,330 mm x 770 mm) (without expansion tray) Approximately 335 lb (152 kg)

7. System Options

You can expand the functionality of your imagePRESS C7000VP 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

The Color UFR II/PCL/PS Printer Kit 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 C7000VP 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 A2000

The imagePRESS Server A2000 is a high-performance controller for the imagePRESS C7000VP digital press. The Canon imagePRESS Server A2000 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 loaded with standard features, such as the Graphic Arts Package and Impose, and is configurable with optional packages, such as Production Printing Package and the Graphic Arts Package, Premium Edition. The hardware specifications for the imagePRESS Server A2000 are:

- Intel® Pentium® 4, 3.2 GHz Dual Core Processor
- 2 GB SDRAM
- 800 MHz System Bus (Front Side Bus)
- 160 GB Hard Disk
- DVD/CD-RW Drive

7.3 imagePRESS Server A3000

The imagePRESS Server A3000 is the most powerful and highest performing controller for the imagePRESS C7000VP. The imagePRESS Server A3000 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 (PrintMIS) workflow integration via JDF (Job Definition Format). The imagePRESS Server A3000 comes fully loaded with standard features, such as the Graphic Arts Package, Premium Edition, Impose, and the Production Printing Package.

The hardware specifications for the imagePRESS Server A3000 are:

- Xeon® 5160 3.0 GHz Dual Core Processor
- 2 GB SDRAM
- 1,333 MHz System Bus (Front Side Bus)
- (1) 250 GB Hard Disk
- (1) 80 GB Hard Disk
- DVD/CD-RW Drive
- Advanced Controller Interface Kit

7.4 Color Universal Send Kit (Soon to Be Released)

The Color Universal Send Kit enables you 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 (Soon to Be Released)

The Universal Send PDF Security Feature Set improves the performance of PDF files created on the machine. It enables you to encrypt PDF files and set a password to send them 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 (Soon to Be Released)

The Universal Send PDF Advanced Feature Set improves the performance of PDF files created on the machine. It also enables the Compact PDF, Trace & Smooth, and Searchable PDF modes.

7.7 Digital User Signature PDF Kit (Soon to Be Released)

The Digital User Signature PDF Kit improves the performance of PDF files created on the machine. It also 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

The Secure Watermark option enables you 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

The HDD Data Encryption Kit is a tool that enables you 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

The HDD Data Erase Kit enables you 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.

NOTE

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

7.12 Encrypted Secure Print Software

The Encrypted Secure Print Software enables you to encrypt print data sent from a computer using the Secured Print function and decrypt it at the machine. This enables you to strengthen the security of print data by preventing the content of your 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 UFRII/PCL/PS Printer Kit-T1 must be installed.

7.13 Access Management System Kit (Soon to Be Released)

The Access Management System Kit enables you to restrict the various features of the Copy, Print, Mail Box, and Send functions that each user can use.

7.14 Remote Operator's Software Kit

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 C7000VP 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 C7000VP 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

8.1 Installation Time

The time required to install the imagePRESS C7000VP 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 two experienced technicians.

Description	Estimated Time
imagePRESS C7000VP – Main Unit	120 Minutes
POD Deck-A1	40 Minutes
Secondary POD Deck-A1	50 Minutes
High Capacity Stacker-C1	30 Minutes
Finisher-AB1/Saddle Finisher-AB2	30 Minutes
Booklet Trimmer-C1	45 Minutes
Color Image Reader-H1	30 Minutes
DADF-R1	20 Minutes
Document Insertion Unit-C1	25 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. Consumable Items

Consumable items are all products and materials that are consumed with regular use and cannot be reused. Such consumables are included but not limited to paper, chemicals, and toner.

A number of factors go into the approximate life expectancy of a consumable, including paper size and the amount of coverage per page.

The tables below state estimated life expectancy yields based on LTR size paper. Using paper larger than LTR will impact the supply yields and parts life accordingly.

9.1 Usage Conditions

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	50,000 to 300,000
Image Ratio	40% total: 10% each color

9.2 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, etc. An estimated consumable parts life is provided below to assist you in your initial parts/supplies planning. Consumable parts do not have a warranty, and Canon U.S.A., Inc. cannot guarantee a minimum life.

NOTE

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

9.2.1 Consumables

Item	Part Number	Quantity	Estimated Life[*1] (Copies/Prints)	Remarks
IPQ-2 Drum	0444B003AA	4	740,000	
IPQ-2 Black Toner	0436B003AA	1	35,000	10% image ratio[*2]
IPQ-2 Cyan Toner	0437B003AA	1	35,000	
IPQ-2 Magenta Toner	0438B003AA	1	35,000	
IPQ-2 Yellow Toner	0439B003AA	1	35,000	
imagePRESS C7000VP Black Starter	0440B001AA	1	500,000	
imagePRESS C7000VP Cyan Starter	0441B001AA	1	500,000	
imagePRESS C7000VP Magenta Starter	0442B001AA	1	250,000	
imagePRESS C7000VP Yellow Starter	0443B001AA	1	500,000	

*1 Estimated life is based on LTR paper.

*2 At an 8.75% image ratio, the toner cartridges will yield approximately 40,000 sheets.

10. Toner Container and Hopper Unit Yields

A toner container holds approximately 1,200 grams of toner, and will yield approximately 35,000 impressions at 10% coverage per color totaling 40%.

The hopper unit holds approximately 2,100 grams, and will yield approximately 40,000 impressions.

11. Waste Toner Container Yields

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

The customer 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 prints). The waste toner bottle may be replaced during normal machine operation. The waste toner hopper will allow waste toner from approximately ten thousand 8 1/2" x 11” prints to accumulate, providing enough time to replace the full waste toner bottle while the machine is in operation. Should the waste toner hopper fill, the imagePRESS C7000VP will shut down.

The Dealer should empty the full waste toner bottle and dispose of the toner waste only in a manner as required by the State law in which machine is located. The emptied bottle should then be returned to the customer prior to the next waste toner is full alert.

Since collected waste toner can be accumulated in the collected toner buffer temporarily, even when the collected waste toner bottle becomes full, printing can be continued for 5,000 sheets of 11” x 17” (A3) paper or 8,400 sheets of LTR (A4) paper.

When the collected waste toner buffer becomes full, this machine stops.

The approximate number of prints that can be output from the time you are notified that the collected waste toner buffer is full to when this machine stops is provided below. However, these numbers are provided as a guide, and may change, depending on your usage conditions.

-10,000 prints: Calculated with a small-size document of 1% image ratio (Large size: 5,000 prints)
-5,000 prints: Calculated with a small-size document of 5% image ratio (Large size: 2,500 prints)
-2,500 prints: Calculated with a small-size document of 10% image ratio (Large size: 1,250 prints)

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 following performance standards are for reference purposes only, and are based on LTR size paper.

Item	Estimated Life
Reader Unit	1,000,000 sheets (LTR)
Printer[*1]	18,000,000 sheets (LTR) or 5 years, whichever comes first[*2]

*1 A high-durability parts change is required at 9,000,000 sheets.

*2 The machine will continue operating after 18 million sheets; however, performance, copy quality, maintenance costs, etc. cannot be guaranteed.

13. Machine Reliability and Productivity

The imagePRESS C7000VP should deliver 95% uptime under the following conditions:

- Genuine Canon parts and supplies are used exclusively.
- Your installation and operating environment meets the specifications detailed in this document and other Canon service documentation.
- Service is provided by an authorized Canon dealer.
- Use of Canon approved media.
- Monthly print volume falls within the optimal performance range specified in this manual.

IMPORTANT

- The uptime calculation is based on an 8-hour work day, Monday through Friday, and over 90 days (quarterly).
- The uptime calculation does not include dealer response time, emergency calls, or customer service functions, such as toner and paper replacement.
- Use of heavy media, as described in the *Service Guide* does not exceed 70% volume output.

13.1 Print Speed

One of the key features of the imagePRESS C7000VP is its print speed technology. The imagePRESS C7000VP maintains print speed regardless of paper weight. A letter-sized sheet of paper weighing 17 lb bond (64 g/m²) will print at 70 ppm. Also, the same sized sheet at 110 lb cover (300 g/m²) will print at 70 ppm.

Most stocks will maintain their speed regardless of their weight. However, a few stocks require extra time when passing through the second fusing section, which may result in a decrease in print speed. This applies to all paper stocks smaller than 8.5" x 11", and when heavier weights are placed into the machine. The heat of the rollers cannot disperse the heat correctly when paper smaller than 11" is run through the press. This will cause blistering and image deformity.

The table below describes the printing speeds one should expect when printing on the indicated paper size and weight.

Paper Weight	Letter	Letter-R	A4-R	Legal	A3	11 x 17	13 x 19.2
64-105 g/m²	70 ppm	53.2 ppm	50.1 ppm	41.8 ppm	36 ppm	35 ppm	31 ppm
106-170 g/m²	70 ppm	42.4 ppm	39.9 ppm	33.3 ppm	36 ppm	35 ppm	31 ppm
171-300 g/m²	70 ppm	31.9 ppm	30 ppm	25.1 ppm	36 ppm	35 ppm	31 ppm

The table below describes the printing speeds one should expect when printing one- or two-sided documents on the indicated paper size.

	A4	Letter	Letter–R	Legal	B4	11 x 17	13 x 19
Simplex	70 ppm	70 ppm	53.2 ppm	41.8 ppm	40.9 ppm	35 ppm	31.3 ppm
Duplex	65.4 ipm	64 ipm	45 ipm	41.8 ipm	40.9 ipm	35 ipm	31 ipm

13.2 Two Hour Unattended Operation

The imagePRESS C7000VP was designed for true production environments. With its new productivity and reliability enhancements and technologies, the press can run up to two hours with no operator intervention. Before beginning an unattended run, the operator should check the following conditions:

1. The paper decks must be full (2-POD decks, 2-High Capacity Stackers; any paper weight)
2. Toner coverage area averages 10% for each color
3. Toner bottle can be empty, but hopper must be full
4. Both stackers are empty

Any simplex or duplex job may be produced without any operator intervention during the two hours. In fact, if you are running a two-sided job on LTR paper (or any larger size paper), only one POD Deck and one High Capacity Stacker is required.

13.3 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 C7000VP 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. Copies between Calls

imagePRESS C7000VP performance depends on certain variables, such as the type of media and paper used, the amount of toner and image coverage, environmental conditions, average monthly volume, and how well the imagePRESS C7000VP has been serviced and maintained. While it is difficult to forecast performance targets under all conditions, it is possible to establish a performance target for an imagePRESS C7000VP used within the mid-range of its performance capabilities. For example, an imagePRESS C7000VP used within the optimum monthly print/copy volume, and used with media and image coverage ratios at the high end of their ranges.

The actual number of prints/copies between calls will vary, depending on usage and conditions, examples of which are provided above, as well as customer knowledge. Using paper larger than LTR will have an impact on the prints/copies between calls that can be expected.

15. Optimum Monthly Print/Copy Volume

The optimum monthly print/copy volume is 50,000 – 300,000 impressions per month. This is the range of print/copy volume 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.

16. Media Usage/Compatibility

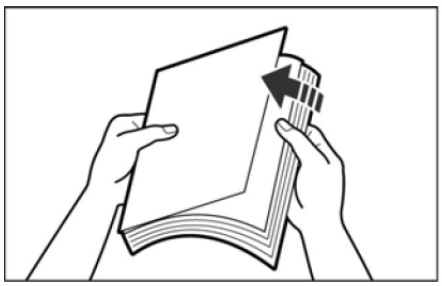
The imagePRESS C7000VP maintains reliable, predicable, and high-quality output. Consistency of the output is dependent on knowing and compensating for variables of a print job. The imagePRESS C7000VP incorporates many control systems which compensate for environmental and print process conditions. Another variable is the print media. Knowing the characteristics of the media guarantees optimal print output.

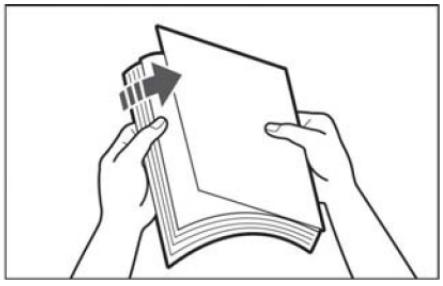
16.1 Media Characteristics by Media Library Parameters

- Size (dimensions)
- Type (Normal, Tab Paper, or Pre-punched)
- Weight (g/m^2)
- Finish (Uncoated, Coated, etc.)
- Creep Displacement (Correction Adjustment)
- Curl Correction (Concave or Convex)
- Paper Separation Fan Output Adjustment (Air Assist equipped Paper Decks only)
- Secondary Transfer Voltage (fine adjustment of the image density)

16.2 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.





16.3 Selecting the Correct Media

Canon USA publishes an imagePRESS C7000VP 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

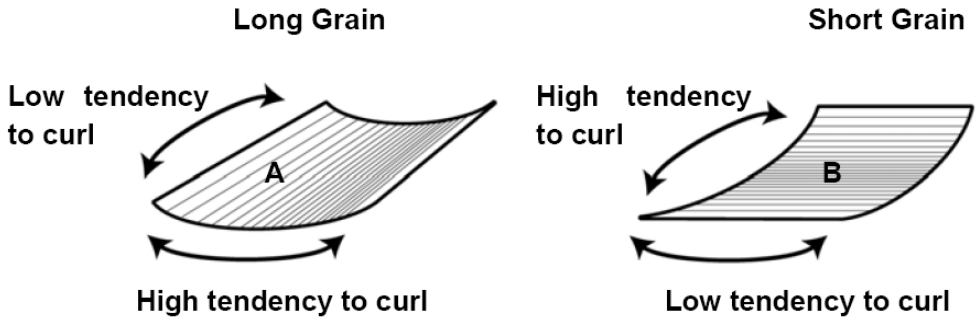
To obtain the Specialty Media Handling Guide for the imagePRESS C7000VP, please contact your local authorized Canon dealer.

16.4 Paper Grain and Curl

Paper grain and curl can dramatically affect the reliability of machines utilizing an electrostatic process like the imagePRESS C7000VP. 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 C7000VP 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 optional 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/m^2, we recommend using paper with a grain perpendicular to the feeding direction of the paper.
- If you are using 12 point, 243 g/m^2 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.

16.5 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 “17.4 Paper Grain and Curl,” on p. 40.

16.6 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 Weight)	Paper Source			
	Paper Decks of the Main Unit: (64 to 300 g/ m^2)	Stack Bypass-A1: (64 to 256 g/ m^2)	POD Deck-A1/Secondary POD Deck-A1 (64 to 300 g/ m^2)	Paper Deck-AC1: (64 to 300 g/ m^2)
Thin (64 to 79 g/m^2)	✓	✓	✓	✓
Plain (80 to 105 g/m^2)	✓	✓	✓	✓
Recycled 1 (64 to 79 g/m^2)*1	✓	✓	✓	✓
Recycled 2 (80 to 105 g/m^2) *1	✓	✓	✓	✓
Recycled 3 (210 to 256 g/m^2) *1	✓	✓	✓	✓
Color (64 to 79 g/m^2)	✓	✓	✓	✓
Heavy 1 (106 to 128 g/m^2)	✓	✓	✓	✓
Heavy 2 (129 to 150 g/m^2)	✓	✓	✓	✓
Heavy 3 (151 to 180 g/m^2)	✓	✓	✓	✓
Heavy 4 (181 to 209 g/m^2)	✓	✓	✓	✓
Heavy 5 (210 to 256 g/m^2)	✓	✓	✓	✓
Heavy 6 (257 to 300 g/m^2)	✓	✓	✓	✓
1-Sided Coated 1 (80 to 105 g/m^2)*2	✓	✓	✓	✓
1-Sided Coated 2 (106 to 128 g/m^2)*2	✓	✓	✓	✓
1-Sided Coated 3 (129 to 150 g/m^2)*2	✓	✓	✓	✓
1-Sided Coated 4 (151 to 180 g/m^2)*2	✓	✓	✓	✓
1-Sided Coated 5 (181 to 209 g/m^2)*2	✓	✓	✓	✓
1-Sided Coated 6 (210 to 256 g/m^2)*2	✓	✓	✓	✓
1-Sided Coated 7 (257 to 300 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 1 (80 to 105 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 2 (106 to 128 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 3 (129 to 150 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 4 (151 to 180 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 5 (181 to 209 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 6 (210 to 256 g/m^2)*2	✓	✓	✓	✓
2-Sided Coated 7 (257 to 300 g/m^2)*2	✓	-	✓	✓

*1 Use of 100% recycled paper is acceptable.

*2 If you are using the stack bypass, feed one sheet of paper at a time.

✓: Available - : Unavailable

Paper Type (Paper Weight)	Paper Source			
	Paper Decks of the Main Unit: (64 to 300 g/ m^2)	**Stack Bypass-A1: (64 to 256 g/ m^2)**	**POD Deck-A1/Secondary POD Deck-A1 (64 to 300 g/ m^2)**	**Paper Deck-AC1: (64 to 300 g/ m^2)**
Texture Paper 1 (80 to 105 g/m^2) *2	✓	✓	✓	✓
Texture Paper 2 (106 to 128 g/m^2) *2	✓	✓	✓	✓
Texture Paper 3 (129 to 150 g/m^2) *2	✓	✓	✓	✓
Texture Paper 4 (151 to 180 g/m^2) *2	✓	✓	✓	✓
Texture Paper 5 (181 to 209 g/m^2) *2	✓	✓	✓	✓
Texture Paper 6 (210 to 256 g/m^2) *2	✓	✓	✓	✓
Texture Paper 7 (257 to 300 g/m^2) *2	✓	-	✓	✓
Vellum 1 (80 to 105 g/m^2)	✓	✓	✓	✓
Vellum 2 (106 to 128 g/m^2)	✓	✓	✓	✓
Transparency *3	✓	✓	✓	✓
Labels (151 to 180 g/m^2)	✓	✓	✓	✓
Bond Paper (80 to 105 g/m^2)	✓	✓	✓	✓
Tab Paper 1 (151 to 180 g/m^2)	✓	✓	✓	-
Tab Paper 2 (181 to 209 g/m^2)	✓	✓	✓	-
Pre-punched 1 (64 to 79 g/m^2)	✓	✓	✓	✓
Pre-punched 2 (80 to 105 g/m^2)	✓	✓	✓	✓

*2 If you are using the stack bypass, feed one sheet of paper at a time.

*3 Use only LTR transparencies made especially for machines which use the electrostatic process to transfer images.

16.7 Paper Sizes and Feed Location Chart

The table below represents the available paper sizes and feed locations. The Stack Bypass-A1, POD Decks, and Paper Deck-AC1 are optional.

✓: Available - : Unavailable

Paper Size	Width x Length	Paper Source			
		Paper Decks of the Main Unit	Stack Bypass-A1	POD Deck-A1/Secondary POD Deck-A1	Paper Deck-AC1
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 1	12” x 7 1/8” to 13” x 19 13/64” (304.9 mm x 182 mm to 330.2 mm x 487.7 mm)	✓	✓	✓	-
Irregular Size 2	7 1/8” x 7 1/8” to 12” x 19 13/64” (182 mm x 182 mm to 304.8 mm x 487.7 mm)	✓	✓	✓	-
Irregular Size 3	5 31/64” x 7 1/8” to 7 11/64” to 19 13/64” (139.7 mm x 182 mm to 181.9 mm to 487.7 mm)	-	✓	-	-

17. 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 C7000VP 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 C7000VP.

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.	The most demanding customers may occasionally perceive a small amount of mottling in large uniform image areas. 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 haloing of characters.
Level of Back Grounding	Stray toner in nonimage areas will be unperceivable.	Environmental conditions, such as low-humidity, can increase levels of back grounding.
Gloss Level	The gloss level of the final document will be 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.

17.1 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 Device Management Settings and Paper Type Management Settings modes which provide adjustment functions to help maintain the desired color consistency for each job. These settings also aim at reproducing optimal images under any variable factors (i.e., changes in the environment, deterioration due to aging, etc.).

17.1.1 Device Management Settings

The Device Management Settings mode is for customers who want to make fine adjustments to the printed image. There is a special menu that must be activated by your authorized service dealer for you to be able 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* that came 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
- Color Cast Correction
- Tail End Color Fading/Graininess Correction
- White Gap Correction
- Fixing Temperature Mode Switch
- Low Temperature Environment Mode
- Uneven Gloss Correction
- Fixing Roller Auto Refresh Level

IMPORTANT

- The user should perform an auto gradation adjustment 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/m^2) 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, or if a job requires the optional Document Insertion Unit-C1. Productivity may be improved by setting the Fixing Temperature Mode Switch mode to ‘Productivity Priority’.

17.1.2 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 irregular paper type that is registered in the machine. There is a special menu that must be activated by your authorized service dealer for you to be able 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
- Paper Fiber Direction Selection
- Image Location Adjustment
- Secondary Transfer Voltage
- ITB Paper Detachment Adjust.
- ITB Image Clear Adjustment
- Saddle Stitch Position Adjust
- Hole Punch Position Adjust
- Tail End White Patch Correct.

18. Responsibility Matrix

	Responsibility	
Action	**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 (i.e., drum cartridges, toner, etc.).		
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.		

Primary customer applications for using this equipment:

_____

_____

_____

_____

Special considerations or performance limitations:

_____

_____

_____

_____

I have received a copy of this document.

_____

Customer: _____

Sales Person: _____