

Specifications for Xerox® Color 800/1000 Presses

Image Resolution

- 2400 x 2400 dpi VCSEL ROS
- Halftone Screens:
 - 150 Clustered Dot
 - 200 Clustered Dot
 - 300 Clustered Dot
 - 600 Clustered Dot
 - 200 Rotated Line Screen
 - Stochastic

Technology

- Xerox® EA Low Melt Dry Ink
 - CMYK Plus Clear Dry Ink Imaging (rated speed)
 - Imaging System with VCSEL Technology
- Customizable Electronic Aligner Adjustments (profiles)
- Custom Paper Setup
- Dual wire rotations with auto cleaning technology
- Advanced Belt Fuser technology
- Advanced inline cooling module
- Advanced Single Pass Decelerator (belt and roll technology) optimal sheet flatness
- Seamless IBT (Intermediate Belt Transfer) with retractable Bias Transfer Rollers
- Long life photo receptors
- Modular feeding and finishing
- Advanced center registration technology for tight front-to-back registration of +/- 0.5 mm
- Integrated Customer Care Design—Xerox® Productivity Plus (Basic)

Color 800/1000 Presses Productivity/

Print Speeds—AWM

- 80/100 ppm (8.5" x 11"/A4 letter), all weights
 - 55–350 gsm (15 lb Bond to 130 lb Cover)
- 4800/6000 full process color A4 (letter) 4/0 impressions per hour
- 44/50 ppm (11" x 17"/A3–12" x 18"/SRA3), all weights
 - 55–350 gsm (15 lb Bond to 130 lb Cover)
- 2400/3000 (11" x 17"/A3–12" x 18"/SRA3 tabloid) 4/0 impressions per hour and 4800/6000 (8.5" x 11"/A4) IMP

Paper Format/Sizes

- Maximum Sheet Size: 13" x 19.2" (330 x 488 mm)
- Minimum Sheet Size: 7.2" x 7.2" (182 x 182 mm), tray inserter kit supports for 4" x 6" (102 mm x 152 mm); see Optional High Capacity Feeder
- Maximum Print Area: 12.83" x 19.05" (326 mm x 484 mm)
- Maximum Print Image Assurance: 12.48" x 19.05" (317 mm x 484 mm)

Paper Flexibility/Weights

- Coated and uncoated papers, bright papers, DocuCard®, labels, business cards, glossy brochures, window decals, durable/synthetic papers, greeting cards, tabs, embossed, polyesters and custom solutions
- Mixed stock jobs supported
- 55–350 gsm (15 lb Bond to 130 lb Cover)

Paper Capacity and Handling

- Standard Paper Trays: Two at 2,000 sheets each
 - Note: Tray capacity is based on 24 lb (90 gsm) substrate
- 55–350 gsm (15 lb Bond to 130 lb Cover) coated/uncoated
 - Minimum Sheet Size: 7.2" x 7.2" (182 x 182 mm) to Maximum Sheet Size: 13" x 19.2" (330 x 488 mm), optional tray inserter kit supports 4" x 6" (102 mm x 152 mm) minimum sheet size
- Auto-Tray Switching/Reload While Run Capability
- Auto-Perfecting (4/4 impressions) from all trays up to 350 gsm (130 lb Cover) at full rated speed

For more information, call 1-800-ASK-XEROX or visit us on the Web at www.xerox.com.

Printed on a Xerox® Color 800/1000 Press on Xerox® Digitally Optimized Paper

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Electrical

- Base Configuration: 200–240 VAC, 50/60 Hz, 50A (sole use)/single phase/Hubbell C8264-C
- Additional electrical required for print server, feeding/finishing devices:
 - 115 VAC 15 Amp for 60 Hz or 220 VAC 10 Amp for 50 Hz (Western Hemisphere)
 - 200–240 Volts, 10 Amp, 50 Hz (Europe)

Size

- Base Printing System (without RIP and/or feeding/finishing devices):
 - 118.5" (W) x 43" (D) x 74" (H)
 - 3,009 mm (W) x 1,092 mm (D) x 1,865 mm (H)
 - Weight: 3,027 lb (1,373 kg) (weight is without dry ink, PC-UI)

Duty Cycle

Color 800 Press

- 1.5 million

Color 1000 Press

- 1.75 million

Choice of Color Servers

- Xerox® FreeFlow® Print Server
- Xerox® EX Print Server, Powered by Flety®
- Xerox® CX Print Server, Powered by Creo Print Server Technology

Options

Feeding

- Oversized High Capacity Feeder:
 - Two Paper Trays at 2,000 sheets each
 - Note: Tray capacity is based on 24 lb (90 gsm) substrate
 - 55–350 gsm (15 lb Bond to 130 lb Cover) coated/uncoated
 - Minimum Sheet Size: 7.2" x 7.2" (182 x 182 mm) to Maximum Sheet Size: 13" x 19.2" (330 x 488 mm)
 - Automatic Tray Switching/Reload While Run Capability
 - Automatic perfecting (4/4 impressions) from all trays up to 350 gsm (130 lb Cover) at rated full rated speed

Stacking

- Catch Tray—with 500 sheet capacity
- High Capacity Stacker (HCS)
 - 500 sheet top tray up to 13" x 19.2" (330 x 488 mm)
 - 5,000 sheet offset stacking, 7.2" x 8.3" up to 13" x 19.2" (85 LEF to SRA3)
 - 55–350 gsm (15 lb Bond to 130 lb Cover) coated/uncoated
 - Available in Single or Dual combinations with unbound-while-run capability
 - Includes one removable cart for offline finishing/ additional carts available

Finishing

- Standard Finisher
 - 55–300 gsm (15 lb Bond to 110 lb Cover) coated/uncoated
 - Stacker capacity of 3,000 sheets (20 lb Bond/80 gsm), top tray 500 sheets (20 lb Bond/80 gsm)
 - Multi-position single or dual 100 sheet variable length stapling (coated and uncoated)
 - 2 and 3 hole punch (North America; 2 and 4 hole punch Europe and South America; 4 hole Swedish punch)
 - 200 sheet interposer for pre-printed and full bleed sheets

Booklet Maker Finisher

- Includes features of the Standard Finisher with a 2,000 sheet stacker tray plus:
 - Automatically creates booklets of up to 25 sheets (100 imaged sides with saddle stitching) from 13" x 12" x 18"/SRA3, 11" x 17"/A3, 8.5" x 14/784 or 8.5" x 11"/A4
- Xerox® SquareFold® Trimmer Module
 - Square fold up to 25 sheets (100 pages)
 - Face trim between 2–20 mm in 0.1 mm increments
 - 64–300 gsm (uncoated); 105–300 gsm (coated)
 - Accepts paper sizes: 8.5" x 11" SEF (216 mm x 279 mm) minimum; 13" x 18" (330 mm x 457 mm) maximum
 - Available with Booklet Maker Finisher only
- Xerox® Perfect Binder
 - 20–400 page books (80 gsm paper)
 - Covers: 90 gsm–300 gsm coated and uncoated, up to 13" x 19.2" (330 mm x 488 mm) sheets; B5–SRA3
 - Body pages
 - Uncoated 64–105 gsm
 - Coated 90–105 gsm
 - Coated 106–163 gsm can be used as interleaf (maximum of 10 sheets per book)
 - Can use mixed media
 - Standard book sizes
 - Trade: 5.5" x 8.5" (139.7 mm x 215.9 mm)/6" x 9" (152.4 x 229 mm)
 - Manuals: 8.5" x 11"/A4
 - Custom: 5.86" x 6.88" (148.8 mm x 174.8 mm) min–10.1" x 12.6" (256.5 mm x 320 mm) max

Folding/Punching

- C-Z Folder
 - C-fold and Z-fold 8.5" x 11"/A4
 - Print on inside or outside of folded paper
 - Folds 11" x 17"/A3 Z-fold for insertion into letter/A4 document sets (Engineering Z-fold)
 - Available with Standard Finisher, Booklet Maker Finisher and Standard Finisher Plus
- GBC AdvancedPunch
 - Paper supported: 8.5" x 11" (A4) Long Edge Feed (11" /297 mm side only)
 - 20 lb Bond to 80 lb Cover (80 gsm–216 gsm)
 - Several customer replaceable die sets available

Additional (DFA) Finishing Solutions

- Standard Finisher Plus
 - Stacker capacity of 2,000 sheets (20 lb Bond/80 gsm)
 - Some features as Standard Finisher with integrated DFA architecture required to enable a variety of third party inline finishing options including those listed below
- Plockmatic Pro 30 Booklet Maker
 - Saddle stitch and fold from 2 sheets to 30 sheets producing up to a 120 page (20 lb Bond/80 gsm) booklet or simply fold a single sheet
 - SquareFold, Trimmer and Cover Feeder available (available with Standard Finisher Plus configurations only)
- GBC eBinder 200
 - Stack, punch and bind lay flat (8.5" x 11"/A4) booklets from 5 to 100 sheets
 - Self-adjusting bind elements (one size fits all) available in black, navy blue, white and frost/clear
 - Pass through capability permits chaining with other finishing alternatives (available with Standard Finisher Plus configurations only)



Xerox Nuvera[®] 120/144/157 EA and MX Production Systems

Sheet Enhancement Module

- Post process module provides:
 - Outstanding stack quality
 - Sheet flatness for enhanced reliability of finishing options (booklet makers, perfect binders, stackers, etc.)
 - Automatically adjusts per individual media type
 - Standard with all Basic Finisher Modules and Finishing Transport Module configurations

Multifunction Finisher Professional and Multifunction Finisher Pro Plus

(Available on Xerox Nuvera 120 EA only)

Multifunction Finisher Professional

- Top tray: 250 sheet capacity 75 gsm
- Stacker: 2,000 sheet capacity 75 gsm
- Staple sets of 2 – 100 pages
 - Choice of 50 or 100 sheet staple cartridge
- C-fold (single sheet) A4
- Z-fold (single sheet) A4
- Bi-fold (up to 5 sheets) A4, A3
- Saddle-stitch booklet making up to 15 sheets/60 imposed page images 75 gsm
- Media Latitude: Uncoated 56 – 220 gsm

Multifunction Finisher Pro Plus also includes:

Insertion Tray

- 200 sheet capacity 75 gsm
- Minimum paper size: B5
- Maximum paper size: A3

Hole Punch

- 2/4 (standard) Hole Punch Customer Replacement Unit for Europe
- Minimum paper size: B5
- Maximum paper size: SRA3
- Media Latitude: Uncoated 56 – 200 gsm

Xerox[®] Production Stacker[†]

Maximum stack capacity
(2,850/2,600 with Stack Cart Kit)

Stack-nesting design enables the delivery of up to 2,850 sheets at a time – without interruption. Unload while run (with one/each unit) keeps production moving.

- Top Tray: 250 sheets (80 gsm)
- Xerox[®] DS3500 Stacker: 3,500 single sheets (80 gsm), 7,000 dual sheets (80 gsm)

[†]Capacity based on 75 gsm

- Media Sizes:
 - Top Tray: 139.7 mm x 210 mm to 320 mm x 491 mm
 - Bypass with Rotation: 177.8 mm x 203.2 mm to 320 mm x 364 mm
 - Bypass without Rotation: 139.7 mm x 203.2 mm to 320 mm x 491 mm
 - Stacker: 177.8 mm x 203.2 mm to 320 mm x 491 mm
- Specialty Media: Carbonless, Tabs, NeverTear and Pre-printed Offset
- Compatibility: Xerox Nuvera 120/144/157 EA and MX
- Maximum number of stackers per configuration: 3
- Optional Stack Cart

Xerox[®] IntegratedPLUS Finishing Solution for Booklets

- Eliminates the need for skilled prepress operators to prepare files according to finisher specifications.
- Eliminates manual programming at the finishing device and reduces the risk of error because the necessary parameters (e.g., page imposition, page ordering and trimming) are set automatically when a job enters your workflow.
- Extends the convenience and cost effectiveness of automated finishing to multiple printers (Xerox[®] and non-Xerox[®]) without the need for multiple, dedicated in-line finishing devices.
- Maximises productivity by enabling prints to be output to stack carts at full rated print speed, while available finishing device binds other jobs at its full rated speed.
- Easy to manage a mix of jobs that includes diverse finishing requirements and short print runs.

Electrical Requirements

- 200 – 240 VAC (Nominal) 30 Amp + 20 Amp, 50/60 Hz line service
 - Feeders and Finisher modules (BFMs) will require additional power
 - DS3500 and DFA Finishers require additional line service and power
- Power consumption: 0.658 kW (standby); 4.150 kW (running)
- Consult the *Installation Planning Guide* for detailed power requirements

Environmental Requirements

- Temperature: 10° to 31° C
- Relative humidity: 15% to 85%
- Run mode heat emissions: configuration dependent; consult *Installation Planning Guide*

Certifications

- Section 508 of the Rehabilitation Act
- Corporate Environmental Leadership Team policy of maintaining a waste-free customer office
- UL 60950-1, C-UL Approved for Canada CAN/CSAC222.2 No. 60950-1-3 and IEC 60950-1
- As an Energy Star partner, Xerox Corporation has determined that Xerox Nuvera EA meets the Energy Star guidelines for energy efficiency.

Physical Characteristics**

Sheet Feed and Insertion Module			
Width	Depth	Height	Weight
805 mm	711 mm	1,133 mm	192 kg
Feeder Module with Integrated Scanner			
Width	Depth	Height	Weight
805 mm	711 mm	1,258 mm	229 kg
Print Engine			
Width	Depth	Height	Weight
1,092 mm	737 mm	1,565 mm	359.23 kg*
Sheet Enhancement Module			
Width	Depth	Height	Weight
381 mm	711 mm	1,054 mm	76.2 kg
Xerox [®] Production Stacker			
Width	Depth	Height	Weight
889 mm	769 mm	1,150 mm	237 kg
Multifunction Finisher Professional			
Width	Depth	Height	Weight
1,433 mm	711 mm	1,054 mm	202 kg
Multifunction Finisher Pro Plus			
Width	Depth	Height	Weight
1,433 mm	711 mm	1,176 mm	220 kg

**With covers/modules loaded.

Please reference the specification sheets for Xerox[®] FreeFlow Makeready[®], FreeFlow Process Manager[®] and FreeFlow[®] Web Services for complete details.

Appendix B

Pricing Matrix for the Nuvera 120 EA PS

Monthly Rental Cost excluding Clicks	\$2,538.93
Monthly Maintenance	\$1,075.00
Click Charges	\$0.0033 ea.
Delivery and Removal	No Charge
Training	No Charge
All consumables except paper and staples included	No Charge
Professional analysts Consulting	No Charge

Nuvera 120 has a rated monthly duty cycle of 3.2 million clicks

Pricing Matrix for the Color Press 1000

Monthly Rental Cost excluding Clicks	\$5,415.26
Monthly Maintenance	\$1,250.00
Click Charges:	

Billing Meter #	Meter Nickname	What Meter Counts	Rate
1	Small Color	Every printed image using any Cyan, Magenta or Yellow dry ink	\$ 0.0470
2	Small Black	Every printed image using only Black dry ink	\$ 0.0099
3	Large Color	Every printed image using any Cyan, Magenta or Yellow dry ink that exceeds 14.74" in the process direction (e.g. 11x17" or 12x18" sheets)	\$ 0.0100
4	Large Black	Every printed image using only Black dry ink that exceeds 14.74" in the process direction (e.g. 11x17" or 12x18" sheets)	\$ 0.0001

Examples: Sheet size and image color content	Impression Cost
1. Sheet size of 12 x 18" with color image = Meter 1 + Meter 3 =	\$ 0.0570
2. Sheet size of 12 x 18" with Black Only image = Meter 2 + Meter 4 =	\$ 0.0100
3. Sheet size of 8.5 x 11" with color image = Meter 1 =	\$ 0.0470
4. Sheet size of 8.5 x 11" with Black Only image = Meter 2 =	\$ 0.0099

Delivery and Removal	No Charge
Training	No Charge
All consumables except paper and staples included	No Charge
Professional analysts Consulting	No Charge

Color Press 1000 has a rated monthly duty cycle of 1.75 million clicks

Appendix C

	B & W	Color
Does this equipment and consumables comply with the requirements of the European Union Directive 2002/95/EC Restriction on Hazardous Substances (RoHS Directive)?	<p>The Nuvera units and all new parts on the Nuvera family are RoHS compliant.</p> <p>However, due to the fact that there are common parts to older versions of the Nuvera fleet, we cannot guarantee that all spare parts in the field are RoHS compliant.</p> <p>Xerox has long worked toward minimizing the use of hazardous substances in our products. In support of this objective, we apply strict internal standards and have deployed requirements to our suppliers governing the use of chemicals in Xerox products, parts and supplies.</p> <p>The standard, EHS&S 1001: Xerox Environment, Health, Safety, and Sustainability Supplier Requirements: Chemical Bans/Restrictions and Part Marking, establishes requirements for regulatory compliance, chemical bans and restrictions and parts marking for parts and materials intended for use in electronic products. All suppliers must meet these requirements as a condition of doing business with Xerox.</p> <p>Xerox also strictly controls the chemical content of our consumable items (toner and paper) that further restricts the use of substances.</p> <p>(Please see attached ROHS and REACH statements for additional information – in Sustainability Tab)</p>	Yes
Does this equipment comply with Version 1.1 ENERGY STAR Imaging Equipment specifications	Yes – The Nuvera EA is Energy Star 1.1 qualified	No. Energy Star's focus is on consumer products and office equipment (copiers, faxes, small printers and small multifunction) segments. The purpose and requirements of digital presses are

Appendix C

(effective July 1, 2009)?		<p>significantly different than those of office equipment. While there are many energy saving technologies incorporated, these system are designed to keep heating/fusing elements at the ready for the next print job. These elements must remain in a consistent state for consistent color output. Productivity, reliability and output image quality are paramount with these presses.</p> <p>In the case of Xerox equipment, our list of Energy Star rated products is long. But for products that meet CCSF's ReproMail requirements (such as the Color Press or IGen), this rating is not pursued or applicable.</p>																					
What is the continuous (or "standby") mode electrical energy consumption for this equipment in watts?	<p>Standby: .668 kw Running: 7.570 kw</p>	<p>Standby Mode: 1.88 kVA Including warm up time Printing Mode: 7.6 kVA</p>																					
If an Energy Star specification exists for this equipment, and includes a Typical Energy Consumption (TEC) limit, what percentage of Energy Star TEC limit does this product use?	<p>Nuvera 120 is 71% of TEC limit</p> <p>TEC # for Nuvera 120 was 38,513 WH – Target TEC # was 54,000 WH .</p>	n/a																					
Does equipment offer service contracts that do not prohibit the use of post consumer recycled paper. Paper quality requirements such as EN12281:2002 "Printing and Business paper. Requirements for copy paper for dry toner imaging processes" may be specified in warranties and service contracts	<p>Yes. High quality, recycled paper is supported on the press and by our service techs. Note that recycled stocks can impact image quality and machine performance (jams, etc.).</p>	<p>Yes. High quality, recycled paper is supported on the press and by our service techs. Note that recycled stocks can impact image quality and machine performance (jams, etc.).</p>																					
Does equipment meet emissions rate thresholds as defined by RAL-UZ 122 and manufacturer must provide a full test report of the RAL-UZ 122 standard test in accordance with ISO/IEC 28360:2007 from a laboratory that is ISO 17025 accredited.	<p>Chemical Emission Test per: ECMA 328</p> <p>The machine was tested under the conditions as specified in the standard inslde a room of 57.5 m3 with 2 air changes per hour.</p> <p>PARAMETER</p> <table border="1" data-bbox="591 1709 967 1814"> <thead> <tr> <th>PARAMETER</th> <th>CONCENT(mg/m3)</th> <th>EMISSN (mg/h)</th> </tr> </thead> <tbody> <tr> <td>TVOC:</td> <td>0.009</td> <td>0.846</td> </tr> <tr> <td>Dust:</td> <td>0.025</td> <td>2.350</td> </tr> </tbody> </table>	PARAMETER	CONCENT(mg/m3)	EMISSN (mg/h)	TVOC:	0.009	0.846	Dust:	0.025	2.350	<p>Chemical Emission Test per: RAL - UZ122</p> <p>The machine was tested under the conditions as specified in the standard inside a room of 86 m3 with 2 air changes per-hour.</p> <p>PARAMETER</p> <table border="1" data-bbox="989 1671 1409 1814"> <thead> <tr> <th>PARAMETER</th> <th>CONCENT(mg/m3)</th> <th>EMISSN (mg/h)</th> </tr> </thead> <tbody> <tr> <td>TVOC:</td> <td>0.11</td> <td>19</td> </tr> <tr> <td>Dust:</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Ozone:</td> <td>0.02</td> <td>6.3</td> </tr> </tbody> </table>	PARAMETER	CONCENT(mg/m3)	EMISSN (mg/h)	TVOC:	0.11	19	Dust:	N/D	N/D	Ozone:	0.02	6.3
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