

Xerox Nuvera® 100/120/144 EA Production System

Optional Integrated Document Scanning

Scan Rate

Speed based on 8.5" x 11"/A4-sized media:

- One sided: 120 images per minute
- Two sided: 120 images per minute (dual scan heads)

Resolution

- Optical 600 x 600 dpi scan (copy)
- 8-bit Gray (256 shades)
- Maximum scan from platen: 12.0" x 18.0" (305 mm x 457 mm)
- High resolution, high signal-to-noise image sensor
- Scan to file resolution: 300, 400, 600, 1200 dpi

Automatic Document Feeder

- Capacity: 300 sheets (20 lb bond/75 gsm)
- Sizes: 5.5" x 8.5" to 11" x 17" (A5 to A3)
- Weights: 13 lb bond to 80 lb cover (49–220 gsm)

Print Controller

RIP

- Xerox FreeFlow® Print Server
- Server Class Processors:
 - Opteron™ Technology
 - Sun Solaris 10
- 2.4 GHz CPU with 1 GB memory
- Color flat panel monitor (attached), USB keyboard, USB mouse
- Data Stream Options:
 - TIFF, PCL6 (standard)
 - Adobe® PostScript® Level 3, PDF, ASCII, VIPP®
 - PostScript, PPML, LCDS and IPDS (optional)
- Connectivity:
 - Ethernet interface (10/100BaseT; 1 GB)
 - IBM Bus and Tag (optional)

Storage

- Memory: 1 GB
- Hard Drive: 160 GB SATA
- DVD+RW Drive (CD write only)
- Second Hard Drive: 400 GB SATA (optional)

Print Submission Drivers

- Microsoft Windows® 95 through Windows® Vista
- Apple Macintosh® OS 8 through Macintosh® OS X
- Sun Microsystems® Solaris® 2.6, 7.x, 8.x, 9.x, 10.x
- Linux® 2.x
- FreeFlow Print Manager
- Xerox Web User Interface

Management Tool Support

- IBM® Tivoli®
- CA™ Unicenter®
- HP OpenView
- SNMP V.1, IETF and Xerox MIB's, Trap Support
- CentreWare® Web

Printer Module

Image Quality

- 1200 x 1200 dpi RIP resolution
- 4800 x 600 dpi print resolution
- Halftone screens: 125 lpi standard; Optional enhanced line screens: 85, 106, 134, 156 lpi
- Operator adjustable settings: light/dark, contrast, sharpness, Toner Saver
- Semi Conductive Magnetic Brush Technology (SCMB) with Emulsion Aggregation (EA) Toner
- Silicon/Teflon® fusing for sharper halftones
- Dual diode Raster Output System (ROS)
- Print path image-to-sheet and front-to-back registration ± .65 mm

Print Speed

- Xerox Nuvera® 100 EA Production System:
 - 8.5" x 11"/A4-sized media: 100 images per minute
 - 11" x 17"/A3-sized media: 60 images per minute
- Xerox Nuvera® 120 EA Production System:
 - 8.5" x 11"/A4-sized media: 120 images per minute
 - 11" x 17"/A3-sized media: 72 images per minute
- Xerox Nuvera® 144 EA Production System:
 - 8.5" x 11"/A4-sized media: 144 images per minute
 - 11" x 17"/A3-sized media: 72 images per minute

Media Feeding & Insertion Options

Sheet-feed & Insertion Modules*

- 4-tray
- Total 5,800 sheets per module
- Vacuum Air Shuttle feed system
- Optional second module available
- Tray 1: 1,600 sheets; 5.5" x 8" to 9" x 12.6" (140 mm x 203 mm to 229 mm x 320 mm)
- Tray 2: 3,100 sheets; 5.5" x 8" to 9" x 12.6" (140 mm x 203 mm to 229 mm x 320 mm)
- Tray 3 & 4: 550 sheets each; 7.2" x 8" to 12.6" x 18.5" (182 mm x 203 mm to 320 mm x 470 mm)

Oversized High Capacity Sheet-feed & Insertion Modules*

- 2-tray
- Total 3,200 sheets per module
- Vacuum Air Shuttle feed system
- Optional second sheet-feed module available
- Tray 1: 1,600 sheets; 7.2" x 8" to 12.6" x 18.5" (182 mm x 203 mm to 320 mm x 470 mm)
- Tray 2: 1,600 sheets; 7.2" x 8" to 12.6" x 18.5" (182 mm x 203 mm to 320 mm x 470 mm)

* Capacity based on 20 lb bond/75 gsm

Media Latitude

- Weights:
 - Coated: 60 lb text to 90 lb cover (90 – 250 gsm)
 - Uncoated: 16 lb Bond to 90 lb cover (56 – 250 gsm)



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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

Xerox Nuvera® 100/120 EA only

- Top tray: 250 sheet capacity (20 lb bond/75 gsm)
- Stacker: 2,000 sheet capacity (20 lb bond/75 gsm)
- Staple sets of 2 – 100 pages
 - Choice of 50 or 100 sheet staple cartridge
- C-fold (single sheet) 8.5" x 11"/A4
- Z-fold (single sheet) 8.5" x 11"/A4
- Bi-fold (up to 5 sheets) 8.5" x 11"/A4, 8.5" x 13", 8.5" x 14", 11" x 17"/A3
- Saddle-stitch booklet making up to 15 sheets/60 imposed page images (20 lb bond/75 gsm)
- Media Latitude: Uncoated 16 lb bond to 120 lb index (56-220 gsm)

Multifunction Finisher Pro Plus only

Insertion Tray

- 200 sheet capacity (20 lb bond/75 gsm)
- Minimum paper size: 7" x 10"/B5
- Maximum paper size: Ledger/A3

Hole Punch

- 2/3 (standard) or 2/4 (optional) Customer Replacement Unit for North America
- 2/4 (standard) or 2/3 (optional) Hole Punch Customer Replacement Unit for Europe
- Minimum paper size: 7" x 10"/B5
- Maximum paper size: 12" x 18"/SRA3
- Media Latitude: Uncoated 16 lb bond to 110 lb index (56-200 gsm)

Basic Finisher Module (BFM), Basic Finisher Module Plus, and Basic Finisher Module-Direct Connect (BFM-DC)*

- Top tray: 250 sheet capacity (BFM only)
- Stacker: 3,000 sheet capacity; offset between sets or jobs
- One or two staples, up to 100 sheets
- Size: 5.5" x 8.5" (A5 and SRA3, papers > 12" in cross process direction to top tray only)
- Size: 7" x 10" to 12" x 18" (B5 to A3)
- BFM-DC is Document Finishing Architecture (DFA) compliant and provides direct connection to center-registered finishing devices such as the Xerox Tape Binder, C.P.Bourg (Watkins) PowerSquare™ 200, and CEM DocuConverter™
- BFM-DC top tray: 5.7" – 19.3" (144 mm x 491 mm)

*Capacity based on 20 lb bond/75gsm

Finishing Transport Module

- Top tray: 250 sheets (20 lb bond/75 gsm)
- DFA compliant
- Interface to in-line production finishing devices for stacking, booklet making, perfect binding, punching, thermal binding and more.

Xerox Tape Binder*

- Book size: 15 to 125 sheets (20 lb bond/75 gsm)
- Speed: up to 144 sheets per minute
- Binder Tape Strips: 100/cartridge (Black, Dark Blue and White)
- Compatible with BFM-DC or FTM with bypass capability for in-line access to other finishing devices

*Not compatible with Multi-function Finishers

Media Latitude

- Weights:
 - 60 gsm – 220 gsm uncoated (body and inserts)
 - 60 gsm – 250 gsm uncoated (covers only)
 - 90 gsm – 220 gsm coated and transparency (covers only)
- 8.5" x 11"/A4
- Tabs up to 0.5" (12.5mm) wide

Electrical Requirements

- 187–240 VAC (Nominal), 50 Amp, 50/60 Hz wall service for North America
 - Printer, Feeders, Sheet Enhancement Module, Insertion Module and Finishers (MFF and BFM) included
 - FTM and DFA Finishers require additional power
- 187–240 VAC (Nominal) 30 Amp + 20 Amp (2), 50/60 Hz wall service for Europe
 - Feeders and Finisher modules (BFMs) will require additional power
 - FTM and DFA Finishers require additional power
- Power consumption: 0.658 kw (standby); 4.150 kw (running)
- Consult the *Installation Planning Guide* for detailed power requirements

Environmental Requirements

- Temperature: 50° to 87° F (10° to 31° C)
- Relative humidity: 15 % to 85 %; wet bulb limitation 77° F
- 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
31.7"	28"	44.6"	423 lbs
805 mm	711.2 mm	1,133 mm	192 kg
Feeder Module with Integrated Scanner			
Width	Depth	Height	Weight
31.7"	28"	49.5"	505 lbs
805 mm	711.2 mm	1,257.3 mm	229 kg
Print Engine			
Width	Depth	Height	Weight
43"	29"	61.6"	793 lbs*
1,092.2 mm	737 mm	1,565 mm	359.23 kg*
Sheet Enhancement Module			
Width	Depth	Height	Weight
15"	28"	41.5"	168 lbs
381 mm	711.2 mm	1,054 mm	76.2 kg
Basic Finisher Module			
Width	Depth	Height	Weight
33"	28"	44.6"	369 lbs
838 mm	711.2 mm	1,133 mm	167.4 kg
Basic Finisher Module Plus & Basic Finisher Module-Direct Connect			
Width	Depth	Height	Weight
49"	28"	44.6"	560 lbs
1,233 mm	711.2 mm	1,133 mm	254 kg
Finishing Transport Module			
Width	Depth	Height	Weight
35.6"	28"	46.3"	319 lbs
904.2 mm	711.2 mm	1,176 mm	145 kg
Multifunction Finisher Professional			
Width	Depth	Height	Weight
56.4"	28"	41.5"	445 lbs
1,433 mm	711.2 mm	1,054 mm	202 kg
Multifunction Finisher Pro Plus			
Width	Depth	Height	Weight
56.4"	28"	46.3"	485 lbs
1,433 mm	711.2 mm	1,176 mm	220 kg
Xerox Tape Binder			
Width	Depth	Height	Weight
34.1"	28"	42.4"	352 lbs
870 mm	708 mm	1080 mm	160kg

*With consumables loaded.

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

For more information on the Xerox Nuvera® EA, please contact your Xerox representative, call (1-800-ASK-XEROX), or visit us online at www.xerox.com.

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