

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

Optional Integrated Document Scanning*

Scan Rate

Speed based on A4:

- Simplex: 120 images per minute
- Duplex: 120 images per minute

Resolution

- 600 x 600 dpi
- 8-bit grey (256 shades)
- Maximum scan from platen: 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 (75 gsm)
- Sizes: A5 to A3
- Weights: 49 – 220 gsm

Print Controller

RIP

- Xerox[®] FreeFlow[®] Print Server
- Server Class Processors:
 - AMD Opteron[™] Technology
 - Sun[™] Solaris[™] 10
- 3.0 GHz Dual Core Processor with 8 GB memory
- 19" colour flat panel monitor (attached), USB keyboard, USB mouse
- Data Stream Options:
 - TIFF/PCL[®] 5e & PCL6/ASCII-standard
 - Adobe[®] PDF; Adobe PostScript[®] Level 3;
 - Multi-page TIFF; PPML; LCDS/Metacode; IPDS
- Connectivity:
 - Ethernet interface (10/100BaseT; 1 GB)

Storage

- Memory: 8 GB (RAM)
- Hard Drive: 500 GB SATA
- DVD+RW Drive (CD write only)
- Second Hard Drive: 1 TB SATA Drive (optional)

Security

- Solaris 10 OS
- Four administrator-selectable security modes and levels
- Fully customisable profiles for each level
- Encrypted job-submission modes
- Secure print mode (restricts page reprints)
- IP address access filtering
- Strong password support
- Data overwrite option

Print Submission Drivers

- Microsoft[®] Windows[®] 95 through Windows 7.0
- Apple Macintosh[®] OS 8 through Macintosh OS X[®]
- Sun Microsystems[™] Solaris 2.6, 7.x, 8.x, 9.0, 10
- Linux[®] 2.x
- FreeFlow Print Manager for direct PDL submission
- Xerox[®] Web User Interface

Management Tool Support

- IBM[®] Tivoli[®]
- CA Unicentre[®]
- HP[®] OpenView[®]
- SNMP V.1, IETF and Xerox[®] MIBs, 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 beam Raster Output Scanner (ROS)
- Print path image-to-sheet and front-to-back registration ± 0.65 mm

Toner

- EA 210,000 prints/4 kg bottle (1 bottle per system, second optional)
- MICR 90,000 prints/5 kg bottle (2 bottles per system)

Print Speed

- Simplex/duplex A4 speeds of 120, 144 or 157 impressions per minute
- Simplex/duplex A3 speeds of 72 or 78 impressions per minute

Media Feeding and Insertion Options

Sheet-feed and Insertion Modules**

- 4-tray
- Total 5,800 sheets per module
- Vacuum Air Shuttle feed system
- Optional second module available
- Tray 1: 1,600 sheets; 140 mm x 210 mm to 229 mm x 320 mm
- Tray 2: 3,100 sheets; 140 mm x 210 mm to 229 mm x 320 mm
- Tray 3 and 4: 550 sheets each; 182 mm x 203 mm to 320 mm x 470 mm

High Capacity Sheet-feed and 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; 182 mm x 203 mm to 320 mm x 491 mm
- Tray 2: 1,600 sheets; 182 mm x 203 mm to 320 mm x 491 mm

EA Media Latitude

- Coated: 90 – 280 gsm
- Uncoated: 56 – 280 gsm

MICR Media Latitude

- Coated: 140 gsm or less
- Uncoated: 56 – 280 gsm

*Not available on MX configuration



**Capacity based on 75 gsm

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)

- 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
- Speciality 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

- 187 – 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
- 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	1,133 mm	237kg
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 consumables loaded.

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

*Capacity based on 75 gsm