

# Xerox Nuvera<sup>®</sup> 100/120/144/157 EA and MX Production Systems

## Optional Integrated Document Scanning\*

### Scan Rate

Speed based on 8.5" x 11"/A4:

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

### Resolution

- 600 x 600 dpi
- 8-bit gray (256 shades)
- Maximum scan from platen: 12" x 18" (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<sup>®</sup> FreeFlow<sup>®</sup> Print Server
- Server Class Processors:
  - AMD Opteron<sup>™</sup> Technology
  - Sun<sup>™</sup> Solaris<sup>™</sup> 10
- 3.0 GHz Dual Core Processor with 8 GB memory
- 19" color flat panel monitor (attached), USB keyboard, USB mouse
- Data Stream Options:
  - TIFF/PCL<sup>®</sup> 5e & PCL6/ASCII-standard
  - Adobe<sup>®</sup> PDF; Adobe PostScript<sup>®</sup> Level 3;
  - Multi-page TIFF; PPML; LCDS/Metacode; IPDS<sup>™</sup> – includes support for QR barcodes, TrueType fonts (UTF-8)
  - S/370 or S/380 Bus and Tag (optional)
- 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)

\*Not available on MX configuration

## Security

- Solaris 10 OS
- Four administrator-selectable security modes and levels
- Fully customizable 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<sup>®</sup> Windows<sup>®</sup> 95 through Windows 7.0
- Apple<sup>®</sup> Macintosh<sup>®</sup> OS 8 through Macintosh OS X<sup>®</sup>
- Sun Microsystems<sup>™</sup> Solaris 2.6, 7.x, 8.x, 9.0, 10
- Linux<sup>®</sup> 2.x
- FreeFlow Print Manager for direct PDL submission
- Xerox<sup>®</sup> Web User Interface

## Management Tool Support

- IBM<sup>®</sup> Tivoli<sup>®</sup>
- CA Unicenter<sup>®</sup>
- HP<sup>®</sup> OpenView<sup>®</sup>
- SNMP V.1, IETF and Xerox<sup>®</sup> MIBs, Trap Support
- CentreWare<sup>®</sup> 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/9 lb bottle (1 bottle per system, second optional)
- MICR 90,000 prints/11.1 lb bottle (2 bottles per system)

## Print Speed

- Simplex 8.5" x 11"/A4 speeds of 100, 120, 144 or 157 impressions per minute
- Simplex 11" x 17"/A3 speeds of 60, 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; 5.5" x 8.3" to 9" x 12.6" (140 mm x 210 mm to 229 mm x 320 mm)
- Tray 2: 3,100 sheets; 5.5" x 8.3" to 9" x 12.6" (140 mm x 210 mm to 229 mm x 320 mm)
- Tray 3 and 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)

### 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; 7.2" x 8" to 12.6" x 19.3" (182 mm x 203 mm to 320 mm x 491 mm)
- Tray 2: 1,600 sheets; 7.2" x 8" to 12.6" x 19.3" (182 mm x 203 mm to 320 mm x 491 mm)

### EA Media Latitude

- Coated: 60 lb text to 90 lb cover (90 – 280 gsm)
- Uncoated: 16 lb bond to 90 lb cover (56 – 280 gsm)

### MICR Media Latitude

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



\*\*Capacity based on 20 lb bond/75 gsm

# Xerox Nuvera® 100/120/144/157 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 100/120 EA)

### Multifunction Finisher Professional

- 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 also includes:

#### 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) 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)

## 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) and 13.8 in. (350.5 mm)

\*Capacity based on 20 lb bond/75 gsm

- Media Sizes:
  - Top Tray: 5.5" x 8.3" to 12.6" x 19.3" (139.7 mm x 210 mm to 320 mm x 491 mm)
  - Bypass with Rotation: 7" x 8" to 12.6" x 14.3" (177.8 mm x 203.2 mm to 320 mm x 364 mm)
  - Bypass without Rotation: 5.5" x 8" to 12.6" x 19.3" (139.7 mm x 203.2 mm to 320 mm x 491 mm)
  - Stacker: 7" x 8" to 12.6" x 19.3" (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 100/120/144/157 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.
- Maximizes 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), 50 Amp, 50/60 Hz line service for North America
  - DS3500 and DFA Finishers require additional line service and power
- 187 – 240 VAC (Nominal) 30 Amp + 20 Amp, 50/60 Hz line service for Europe
  - 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: 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 lb
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 lb
805 mm	711.2 mm	1,257.3 mm	229 kg
Print Engine			
Width	Depth	Height	Weight
43"	29"	61.6"	793 lb*
1,092.2 mm	737 mm	1,565 mm	359.23 kg*
Sheet Enhancement Module			
Width	Depth	Height	Weight
15"	28"	41.5"	168 lb
381 mm	711.2 mm	1,054 mm	76.2 kg
Xerox® Production Stacker			
Width	Depth	Height	Weight
35"	30.25"	44.6"	532 lb
889 mm	768.4 mm	1,133 mm	237kg
Multifunction Finisher Professional			
Width	Depth	Height	Weight
56.4"	28"	41.5"	445 lb
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 lb
1,433 mm	711.2 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.



For more information on the Xerox Nuvera EA and MX Production Systems, call 1-800-ASK-XEROX or visit us at [www.xerox.com](http://www.xerox.com).