Xerox Nuvera®
100/120/144/157 EA
and MX Production Systems

PRINT CONTROLLER
RIP
• Xerox® FreeFlow® Print Server
• Server Class Processors:
  – AMD® Opteron™ Technology
  – Sun® Solaris® 11 OS
• 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®5e and PCL6/ASCII-standard Adobe® PDF; Adobe PostScript® Level 3; Multi-page TIFF; PPML; LCDS/Metacode; IPDS™—includes support for QR barcodes, True Type® fonts (UTF-8)
• Connectivity:
  – Ethernet interface (10/100BaseT; 1 GB)

STORAGE
• Memory: 8 GB (RAM)
• Hard Drive: 500 GB SATA
• DVD+RW Drive (CD write only)
• Optional: 1 TB SATA Drive

SECURITY
• Solaris 11 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® Windows® up to Windows 10
• Apple® Macintosh® through OS X®
• Sun Microsystems® Solaris 2.6, 7.x, 8.x, 9.0, 10
• Linux® 2.x
• Web User Interface

PRINTER MODULE
Image Quality
• 1200 x 1200 dpi RIP resolution
• 6800 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 Toner: 210,000 prints/9 lb bottle (one bottle per system, second optional)
• MICR Toner: 90,000 prints/11.1 lb bottle (two 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**
• Four trays
• Total 5,800 sheets per module
• Vacuum Air Shuttle feed system
• Optional second module available
• Tray 1: 1,600 sheets; 7.2 x 8" to 12.6 x 19.3" (182 x 203 mm to 320 x 491 mm)
• Tray 2: 1,600 sheets; 7.2 x 8" to 12.6 x 19.3" (182 x 203 mm to 320 x 491 mm)

EA MEDIA LATITUDE
• Uncoated: 44–300 gsm
• Coated: 90–300 gsm

MICR MEDIA LATITUDE
• Uncoated: 52–300 gsm
• Coated: 90–140 gsm

*Capacity based on 20 lb Bond/75 gsm
**157 IPM and 78 IPM not available on MX configuration
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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**
(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 five 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 Stock 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" (350.5 mm)

- **Media Sizes:**
  - Top Tray: 5.5 x 8.3" to 12.6 x 19.3" (139.7 x 210 mm to 320 x 491 mm)
  - Bypass with Rotation: 7 x 8" to 12.6 x 14.3" (177.8 x 203.2 mm to 320 x 364 mm)
  - Bypass without Rotation: 5.5 x 8" to 12.6 x 19.3" (139.7 x 203.2 mm to 320 x 491 mm)
  - Stacker: 7 x 8" to 12.6 x 19.3" (177.8 x 203.2 mm to 320 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® INTEGRATED PLUS 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 inline 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

**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

For more information, visit [www.xerox.com](http://www.xerox.com)