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
- 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 half tones
- 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
- MICR Toner: 90,000 prints/11.1 lb bottle

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; 5.5 x 8.3" to 9 x 12.6" (140 x 210 mm to 229 x 320 mm)
  - Tray 2: 3,100 sheets; 5.5 x 8.3" to 9 x 12.6" (140 x 210 mm to 229 x 320 mm)
  - Tray 3 and 4: 550 sheets each; 7.2 x 8" to 12.6 x 18.5" (182 x 203 mm to 320 x 470 mm)

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

*Capacity based on 20 lb Bond/75 gsm

HIGH CAPACITY SHEET-FEED AND INSERTION MODULES*
- Two trays
- Total 3,200 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
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 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 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’ (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 8.3' 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
- 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

**Physical Characteristics**

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<th>Width</th>
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<th>Height</th>
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*Capacity based on 20 lb Bond/75 gsm
**With consumables loaded

For more information, visit www.xerox.com

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