

# Xerox Nuvera® EA

## Digital 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–80 lb. cover (49–220 gsm)

### Print Controller

#### RIP

- Xerox FreeFlow® DocuSP®
- Server Class Processors:
  - Optron™ Technology
  - Sun Solaris 10
- 2.4 GHz CPU with 1 GB memory
- 15" 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

Nuvera 100 EA Digital Production System:

- 8.5" x 11"/A4-sized media: 100 images per minute
- 11" x 17"/A3-sized media: 60 images per minute

Nuvera 120 EA Digital Production System:

- 8.5" x 11"/A4-sized media: 120 images per minute
- 11" x 17"/A3-sized media: 72 images per minute

Nuvera 144 EA Digital Production System:

- 8.5" x 11"/A4-sized media: 144 images per minute
- 11" x 17"/A3-sized media: 72 images per minute

Average Monthly Print Volume (AMPV):

- Nuvera 100/120 EA Digital Production System: 100K–1.5M/month
- Nuvera 144 EA Digital Production System: 150K–2M/month

Duty Cycle: maximum recommended monthly copy/print volume

- Nuvera 100/120 EA Digital Production System: up to 3.2M/month
- Nuvera 144 EA Digital Production System: up to 3.7M/month

### Media Input Options

#### Input Capacity

##### Sheet-feed Module:

- Trays per feed module: 4
- Total 5,800 sheets per module (20 lb. bond/75 gsm)
- Vacuum Air shuttle feed system
- Optional second module available

Capacity based on 20 lb. bond/75 gsm:

- 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 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 Module:

- Trays per feed module: 2
- Total 3,200 sheets per module (20 lb. bond/75 gsm)
- Vacuum Air shuttle feed system
- Optional second module available

Capacity based on 20 lb. bond/75 gsm:

- 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)

#### Media Latitude <sup>1,2,3</sup>

Weights:

- Coated: 60 lb. text to 12 pt. cover (90–250 gsm)
- Uncoated: 38 lb. book to 90 lb. cover (56–250 gsm)

Paper Types:

- Coated: gloss, silk, matte
- Uncoated: book, text, bond, cover, Bristol, index offset
- Specialty: tabs, envelopes, preprinted offset forms, carbonless, never-tear

<sup>1</sup> Consult Xerox for expectations and unique performance parameters. Coated papers under 120 gsm may experience degraded performance.

<sup>2</sup> Consult in-line device specifications for capabilities and requirements.

<sup>3</sup> Printing on preprinted offset forms requires special handling.

# Xerox Nuvera® EA Digital Production System

For more information on Xerox Nuvera® EA Digital Production System, call toll-free **1-800-ASK-XEROX** or visit us on the web at [www.xerox.com](http://www.xerox.com)

## 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

## Insertion Module

**Insertion Module:**

- Trays per feed module: 4
- Total 5,800 sheets per module (20 lb. bond/75 gsm)
- Vacuum Air shuttle feed system

*Capacity based on 20 lb. bond/75 gsm:*

- 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 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 Insertion Module:**

- Trays per feed module: 2
- Total 3,200 sheets per module (20 lb. bond/75 gsm)
- Vacuum Air shuttle feed system

*Capacity based on 20 lb. bond/75 gsm:*

- 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)

## Multifunction Finisher Professional and Multifunction Finisher Pro Plus

*Nuvera 100/120 EA Digital Production System 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) and Basic Finisher Module Plus

- Top tray: 250 sheet capacity (20 lb. bond/75 gsm) *Basic Finisher Module only*
- Stacker: 3,000 sheet capacity (20 lb. bond/75 gsm); 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)

## Finishing Transport Module (FTM)

- Top tray: 250 sheets (20 lb. bond/75 gsm)
- Document Finishing Architecture (DFA) compliant
- Interface to in-line production finishing devices

## 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 BFMs) included
  - FTM and DFA Finishers will 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 will 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/CSA-C222.2 No. 60950-1-3 and IEC 60950-1
- As an Energy Star partner, Xerox Corporation has determined that Nuvera EA Digital Production System meets the Energy Star guidelines for energy efficiency.

## Physical Characteristics

**Sheet Feed Module and Insertion Module**

Width	Depth	Height	Weight
31.7"	28"	44.6"	423 lbs.
805 mm	711.2 mm	1,132.8 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**

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

*\*With consumables loaded.*

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



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