

Xerox Nuvera 144 MX  
Production System  
Overview



Xerox Nuvera<sup>®</sup> 144 MX  
Production System  
Produce consistent, durable and  
secure transactional documents



# Jobs demand image quality that ensures instant character recognition

**The content of cheques and other transactional output will never be in doubt when you produce your critical applications with the Xerox Nuvera® 144 MX Production System.** With over 300 patents and industry-leading Magnetic Ink Character Recognition (MICR) technologies, the Xerox Nuvera MX delivers image quality that is instantly recognisable by reader/sorters and by your customers. These systems offer the flexibility, productivity and reliability you expect for all of your jobs.

## Why MICR?

MICR printing provides a more reliable reading process over OCR or bar codes. MICR encoded documents can be read through over stamping, pen and pencil marks, etc. With the increase in volumes of cheque and remittance information being processed, using MICR provides security, quality, cost and speed benefits for both encoding and recognition. Using MICR reduces processing errors and shortens the time to capturing revenue. With Xerox®, adding MICR is even

more cost-effective, as the printing of cheques and remittance documents, such as credit card statements, utility bills and loan payments, can be done in a single pass for both normal text and MICR fonts.

## The best read rates of any MICR lines

Characters will maintain uniform signal strength plus the durability to last in high-speed readers/sorters. Expect read rates consistently exceeding 99.5 per cent for applications printed on the Xerox Nuvera MX – the highest read rates in the industry. Use

of industry-leading MICR technologies ensures more of your cheques will be accepted, avoiding costly delays and fees. Cheques and negotiable documents will surpass the demanding quality criteria established by entities such as the American Bankers Association, American National Standards Institute, Canadian Payments Association, International Organization for Standardization and Association for Payment Clearing Services.



Xerox Nuvera® 144 MX Production System

# Affordable MICR printing and finishing expands applications and business

## MICR extends from cheques to any form of document processing

**information.** From internal bank documents to remittance documents, such as a payment coupons and transactional applications, add MICR for more accurate, secure, fast processing. With the Xerox Nuvera® 144 MX Production System, it's one pass printing for reduced operational costs. Xerox Nuvera can be customised to suit business needs, accommodating a range of applications.

### Ideal for Transactional Applications

The Xerox Nuvera MX can handle demanding MICR transactional applications such as cheques, financial forms and negotiable documents. Expand your enterprise capabilities with transactional promotional (TransPromo) documents that add value and impact while significantly enhancing return on investment.

### Customise to suit your business

The Xerox Nuvera MX is modular so choose the feeding, inserting and finishing options that best meet all of your needs.

- **Feeding options.** Air shuttle feed technology ensures excellent paper handling. Reload-while-run capabilities increase continuous productivity. Choose up to three Standard Sheet-feed Modules to suit the workflow.
- **Inserting options.** Add value and impact to output by inserting colour covers, inserts or speciality media with Post-print Insertion Module.

### Finishing Options

The Xerox® Production Stacker delivers maximum efficiency in a very small footprint, setting a new standard for print shop productivity. It delivers 2,750 sheet stacks at waist height and runs continuously until an operator unloads it. Once unloaded, this process repeats over and over until the entire print run is complete. The device's optional Stack Cart easily removes and transports stacks printed on Xerox Nuvera and iGen4® devices for near-line or off-line finishing. The cart is also uniquely designed to integrate with the Xerox® Production Stacker and features an adjustable delivery plate that can be fine-tuned from 20 mm to 200 mm from floor level.

The DS3500 Stacker can stack up to 3,500 sheets while, at the same time, serving as a transport module that rotates, orients and delivers sheets of paper to downstream in-line finishers.

The Basic Finisher Module (BFM) stacks and staples documents and works well with all stackers in the finishing portfolio. All BFMs

are capable of stacking up to 3,000 sheets (80 gsm) and can staple up to 100 sheets, using one or two staples. The BFM comes in a tandem configuration for those who need maximum productivity for stapled sets. The BFM+ and BFM-Direct Connect can also pass paper to downstream third-party finishers or any stacker in the Xerox Nuvera finishing portfolio.

## Powerful productivity and image processing

The powerful Xerox® FreeFlow® Print Server is integrated right into the Xerox Nuvera®144 MX Production System, providing excellent job control and time-saving efficiency in transactional and TransPromo environments. Enjoy feature benefits such as:

- Efficient queue management.
- Integration with a robust stock library.
- Imposition software.
- Sophisticated variable data capabilities.
- The ability to handle a wide range of data streams including LCDS, PCL and IPDS.

## Workflow Options

The Xerox FreeFlow Digital Workflow Collection is designed for easy management of jobs at every stage, from creation to final output. Integrating with the Xerox Nuvera MX, this suite of optional solutions enables enhancement, automation and simplification of existing workflow.

## Enhance Output With Excellent Image Quality

Many factors contribute to the long-lasting, consistently excellent image quality achieved with the Xerox Nuvera MX, including:



**Woodstone-Smith Imaging, Inc.**  
5200 Delaware Avenue • Buffalo, NY 14340  
716.555.1234

### INVOICE

Statement Date May 15, 2009  
Page 1 of 2

Amount Due **\$20.00**  
Due Date **June 18, 2009**

Insurance has paid their portion of this invoice. You are responsible for the balance. Please make payment in full by the date above.

Questions? Call 716.555.1234

Account Number **1234 56 7890**  
Patient Name Jennifer Gallagher  
Referring Doctor Mary Johnson, MD

Service Details				
Date	Practitioner	Code	Description	Amount
04/06/09	Williams	74249	Contrast MRI U&LGI Tract L2	\$221.85
04/06/09	Williams	74250	Contrast MRI U&LGI Tract L3	\$221.85
04/06/09	Williams	74246	MRI of UGI Tract	\$821.33
04/06/09	Williams	74246	MRI of LGI Tract	\$821.33
04/09/09	Havensport	74246	Process INT. Digital Film Transport	\$25.85
04/14/09	Havensport	74246	Primary Internal Consultation	\$421.00
04/14/09	Havensport	89508	Internal Admin. Follow-up	\$50.00
Payment Details				
04/06/09		2010	Patient Co-Pay	-20.00
04/28/09		3399	Managed Care HMO Contractual Adj	-2086.36
04/28/09		3314	Blue Choice HMO Payment	-242.10
05/28/09		3314	Supplemental Aetta Ins. Payment	-210.25
<b>Balance</b>				<b>\$24.15</b>

▼ Detach here and mail payment coupon with your payment. ▼

Account Number **1234 56 7890**  
Patient Name Jennifer Gallagher

Card Used  VISA  MASTERCARD  DISCOVER  AMEX  
Card Number \_\_\_\_\_  
Signature \_\_\_\_\_  
Exp. Date \_\_\_\_\_  Check here if address or insurance information is incorrect and indicate change on reverse side.

#### PAYMENT COUPON

Amount Due **\$20.00**  
Due Date **June 18, 2009**  
Amount Enclosed \$

Make checks payable to:

**JENNIFER GALLAGHER**  
26 HILLSIDE ROAD  
WEBSTER NY 14580-1234

**WOODSTONE-SMITH IMAGING**  
PO BOX  
BUFFALO NY 14240-1234

⑆ 56 7890 1 234 56 7890 ⑆ ⑆ 0 1 234 56 7890 ⑆

▼ Detach here and mail payment coupon with your payment. ▼

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⑆ 56 7890 1 234 56 7890 ⑆ ⑆ 0 1 234 56 7890 ⑆



**DXA Scans Can Detect Osteoporosis**

Osteoporosis is a disease of the skeleton whereby the bones become brittle. Osteoporosis can occur in both men and women of all ages and ethnicities. Until recently, a fracture was the only way to tell if a patient could have osteoporosis, but with the technology of bone densitometry testing (DXA scan), we can be proactive in detecting low bone mass.

**Talk to your doctor about whether a DXA scan is right for you or call us at 716-555-5678.**

- **Trickle Charge Development.** Achieve longer-lasting, more consistent image quality because toner and developer are mixed together in the toner canister. Plan on fewer service calls because it eliminates the need for a technician to replace the developer – developer is replenished continuously.

- **Hybrid Jumping Development.** Places toner on the photoreceptor without any contact, extending the life of several critical imaging components and delivering truly outstanding image quality, with uniform halftones.

# Economical, secure digital MICR – high-quality printing in any quantity

**Print transactional and TransPromo applications as you need them. Digital MICR printing eliminates the need to run large quantities.** Advanced paper handling capabilities of the Xerox Nuvera® 144 MX Production System allow you to print on all paper stocks - including coated - opening up possibilities that never before existed. Coupled with advanced security for E-13B and CMC7 fonts, Xerox Nuvera MX delivers the all-around solution for MICR printing needs.

## Reliably Productive

The Xerox Nuvera 144 MX offers these options to ensure maximum uptime.

## Change toner less often with dual toner cartridges

Each of two large volume canisters yields up to 90,000 of the highest quality MICR prints. You'll change toner less frequently. Enjoy more uptime with change-while-run cartridge replacement.

## Excellent resolution in a clean environment

The Xerox Nuvera® MX offers the highest monochrome resolution of any digital production printing system currently available.

- RIPs at 1200 x 1200 dots per inch (dpi).
- 4800 x 600 dpi printing.
- Halftone screens available at 85, 106, 125, 134 and 156 lines per inch (lpi) – ensure smooth greys, more realistic pictures and sharper details.

## TELER (Translating Electronic Registration) keeps sheets in place

Achieve superior image-to-sheet ( $\pm 0.65$  mm) and front-to-back ( $\pm 0.65$  mm) registration, which meets or exceeds general publishing standards. This is particularly important for financial documents where placement of the MICR line is critical. TELER registration (Translating Electronic Registration) precisely controls the position of each sheet of paper according to the image on the photoreceptor, and the speed of each sheet travelling through the paper path. In this way, it ensures each sheet is in exactly the right position to receive the latent image.

## Paper Handling for accuracy

MICR printing is one of the most quality conscious applications within the printing industry. It must meet strict security requirements for negotiable documents. MICR processing is not subjective – the quality of the printing is judged by a machine. To be effective, MICR must be exact. The Xerox Nuvera® 144 MX Production System have paper handling designed for the highly accurate registration required for precise placement of the MICR line to maximise readability during processing.

## Be sure all transactional applications are readable and secure

The Xerox Nuvera® 144 MX Production System offers outstanding MICR capabilities and top read rates, plus flexibility, productivity and reliability for all jobs. Achieve the image quality needed for instant recognition!

[www.xerox.com](http://www.xerox.com)

