

# Xerox Nuvera® 100/120/144 MX Production System

Produce Consistent, Durable and  
Secure Financial Documents



# Your jobs demand image quality that sparks instant character recognition

**The content of your checks and other financial output will never be in doubt when you produce your critical applications with the Xerox Nuvera® 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 recognizable by reader/sorters and by your customers. Available in 100, 120 or 144 ppm, this system offers the flexibility, productivity and reliability you expect for all of your jobs.

## Ideal for your Transactional applications

You can rely on the Xerox Nuvera® MX to efficiently handle your demanding MICR Transactional applications such as checks, financial forms and negotiable documents. And you can expand your enterprise capabilities with Transactional Promotional (TransPromo) documents that add value and impact while significantly enhancing your return on investment.

## The best read rates of any MICR lines

Your characters will maintain uniform signal strength plus the durability to last in high-speed readers/sorters. Expect read rates consistently exceeding 99.5 percent for your applications printed on the Xerox Nuvera® MX – the highest read rates in the industry. Our use of industry-leading MICR technologies ensures more of your checks will be accepted, avoiding costly delays and fees. Your checks and negotiable documents will surpass the demanding quality standards established by entities such as the American Bankers

Association, American National Standards Institute, Canadian Payments Association, and International Standard Organization.

## Check safeguards your auditors will appreciate

If you print MICR, you need to protect your check stock from diversion and ensure the integrity of your check runs. To that end, you can choose from two check integrity options, Media Log and Check Production Integrity.

- Media Log enables you to track paper stock from the time sheets are fed to their subsequent disposition. With the reports generated from Media Log, your auditors can account for every piece of paper, including valid output, purged and spoiled sheets, and sheets delivered to the sample tray.
- Resource Security, part of Media Log, supports password protection of resources required for your check printing, whether LCDS/Metacode, PostScript or PCL. These resources, which may include the E-13B font, logos and signatures, are saved in an encrypted form when not in use. Supervisor authorization is required to decrypt the resources, providing you another point of control.

- Check Production Integrity includes Media Log and Resource Security, plus MICR Print Validation.\* MICR Print Validation enables you to confirm the total number of checks in a run and reports the content on every check delivered as valid output. If serial or warrant numbers are present and sequential, MICR Print Validation can ascertain if any number in a check sequence is missing, duplicated or out of order.

\*Ask your Xerox Representative for availability information. Also available is Barcode Print Validation for LCDS customers who implemented Print Assurance.

## Customize to suit your business

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

- **Feeding options.** Air shuttle feed technology ensures you excellent paper handling. Reload-while-run capabilities increase your continuous productivity. Choose up to two Standard Sheet-feed Modules to suit your workflow.
- **Inserting options.** You can add value and impact to your output by inserting color covers, inserts or specialty media with our Post-print Insertion Module.

- **Finishing options.** The Basic Finisher Module is designed for your production print environment. Dual Basic Finishers can be configured to not only deliver outstanding stack quality but enable the productivity benefits of unload-while-run. Also, the Finishing Transport Module gives you quick and easy access to a number of industry leading third-party stacking and finishing devices.

In addition to check stock, you can choose from an expansive range of substrates, including coated stock up to 140gsm, to match your application requirements and build your application capabilities.

## Xerox MICR Check Performance Guarantee

In the event we are unable to resolve an issue, we will reimburse you for fees you are required to pay to your bank for excessive rejects of checks printed after Xerox was notified of the problem, and where it is verified by Xerox that Xerox MICR materials or printer-related check defects are the cause of the imposition of the fees.



### Powerful productivity and image processing

The powerful Xerox FreeFlow® DocuSP® Print Controller is integrated right into the Xerox Nuvera® 100/120/144 MX Production System, providing you with excellent job control and time-saving efficiency in your Transactional and TransPromo environments. You'll 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 to take you easily through every stage of managing your jobs, from creation to final output. Integrating with the Xerox Nuvera® MX, this suite of optional solutions enables you to enhance, automate and simplify your existing workflow, increasing productivity and making the most of your investment.

### Enhance your output with excellent image quality

Many factors contribute to the long-lasting, consistently excellent image quality you will achieve with the Xerox Nuvera® MX, including:

- **Trickle Charge Development.** You'll achieve longer-lasting, more consistent image quality because toner and developer are mixed together in the toner canister. You can also 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.

### You can change toner less often with dual toner cartridges

Each of two large volume canisters yields up to 110,000 of the highest quality MICR prints. You'll change toner less frequently. And with change-while-run cartridge replacement, you'll enjoy more uptime.

### You'll get excellent resolution in a clean environment

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

- RIPs at 1200 x 1200 dots per inch (dpi)
- 4,800 x 600 dpi printing
- Halftone screens available at 85, 106, 125, 134 and 156 lines per inch (lpi) – ensure smooth grays, more realistic pictures and sharper details.

### TELER Registration keeps sheets in place

You'll see 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 your financial documents where placement of the MICR line is critical. Our 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 traveling through the paper path. In this way, it ensures each sheet is in exactly the right position to receive the latent image.

### Reliably productive for you

We offer these options to ensure you enjoy maximum uptime from your Xerox Nuvera® MX.

#### Xerox Productivity Plus Integrated Maintenance Program

The Xerox Productivity Plus Integrated Maintenance Program gives your operators a powerful maintenance alternative, enabling them to perform routine preventive maintenance and tune-ups right in your production print environment. It puts you in control so you can maximize image quality and reliability for more profitable up-and-running time.

#### Xerox prInteract<sup>SM</sup> Remote Service Offerings

Remote service is available through a secure, online connection between Xerox engineering staff and your Xerox Nuvera® MX. Using this connection, we can quickly respond to your service needs, enabling us to:

- Easily access equipment data to provide realtime recommendations and help optimize overall performance
- Automatically generate up-to-the-day accurate meter reads with MeterAssistant™

**Be sure all of your financial applications are readable and secure**

The Xerox Nuvera® 100/120/144 MX Production System offers you outstanding MICR capabilities and top read rates, plus flexibility, productivity and reliability for all of your jobs. You'll achieve the image quality you need for instant recognition!

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



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