

**XEROX**<sup>®</sup>

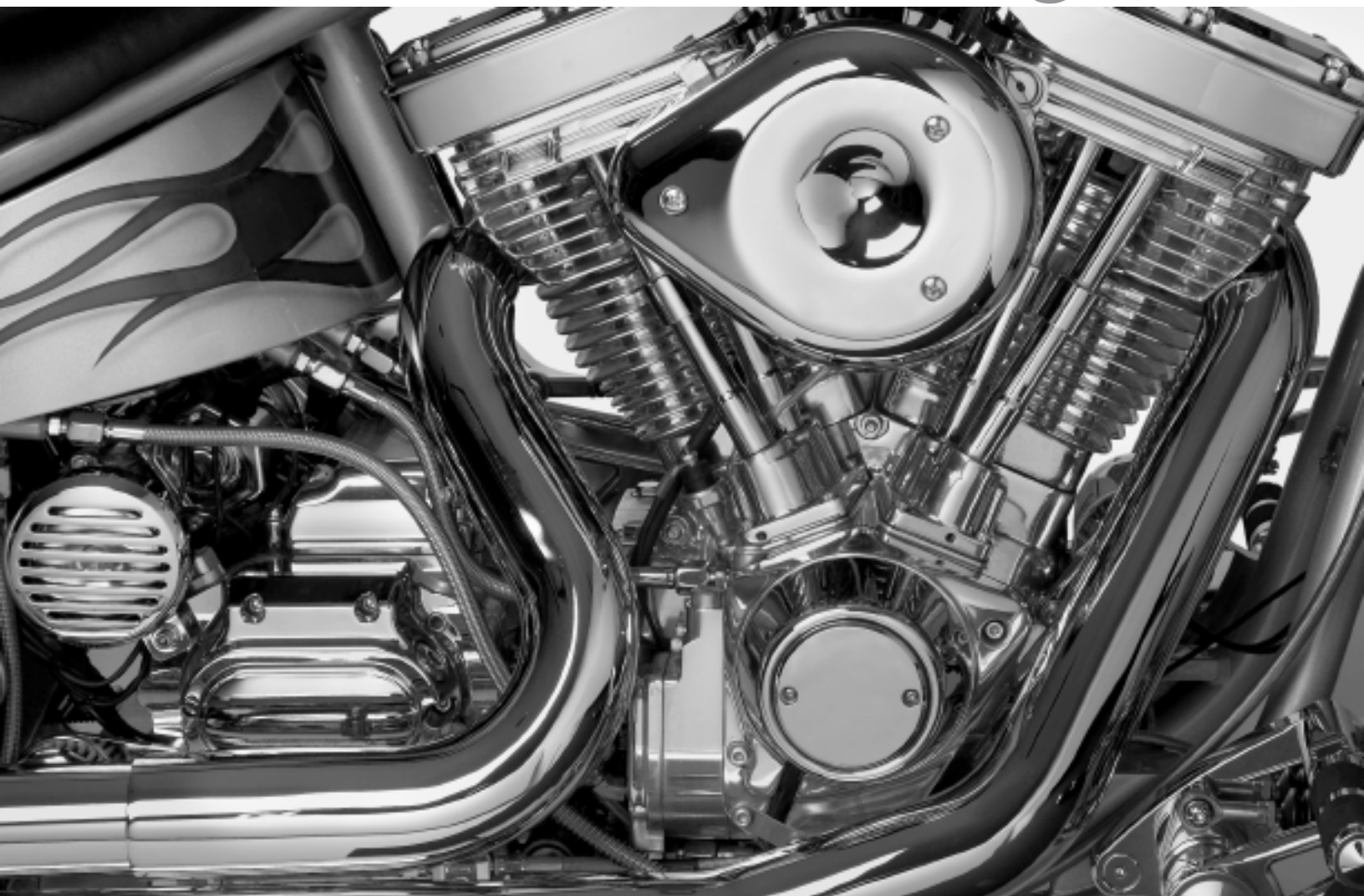
Technology | Document Management | Consulting Services

Xerox Nuvera™  
Digital Production System

Overview



# Tune up your image.

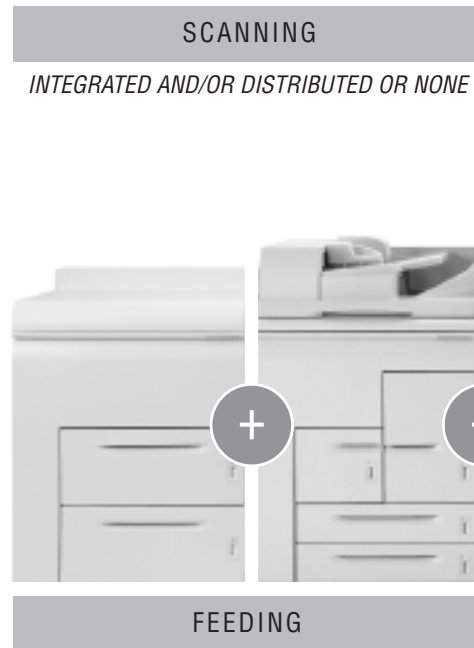


Because your **black-and-white** documents are a reflection on you.



Now, black-and-white documents have a whole new image with the Xerox Nuvera™ Digital Production System. Higher resolution makes text, photos, charts and diagrams gleam. The ability to accept common data streams means what you expect to see is exactly what you get. With speeds up to 144 ppm, nothing can slow you down now. Best of all, you have the freedom to design a machine that meets your needs.

The Nuvera Digital Production System family offers unsurpassed image resolution—plus wide media latitude—so you can achieve a new level of quality with every monochrome document you produce. Your customers will notice the remarkable difference. When you improve the image of your documents, it improves the image of your entire organization.



### Print with pride.

Traditional thinking says that day-to-day business documents, the ones you produce in black and white, may not need a high-quality image. But competition in business is fierce. Everyone's looking for a way to differentiate themselves. Improve your everyday documents to reflect your sharper image.

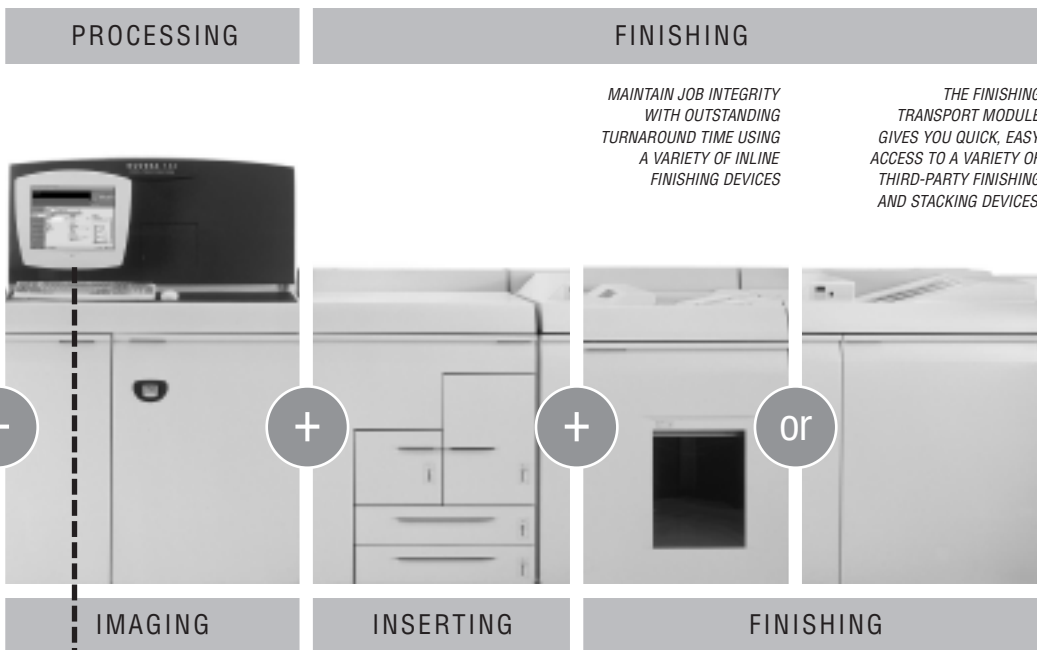
### The beauty is in the details.

Not only do you get the highest monochrome resolution of any production printing system on the market today, it also features Xerox cyclone cleaning technology, which automatically removes stray toner and particles. A clean environment ensures crisp, sharp text and images.

### Easy to customize. Easy to operate.

The Nuvera Digital Production System is the most flexible and customizable digital production printing system you can buy. Based on your applications and preferred workflow, you can select the scanning, feeding, imaging and finishing options you need. You also get six print engines to choose from, including three Magnetic Ink Character Recognition (MICR) offerings.

What's more, every model is driven by the Xerox FreeFlow™ DocuSP® Controller. It features a simple, powerful and familiar interface that puts you and your operators in total control.



*MAINTAIN JOB INTEGRITY WITH OUTSTANDING TURNAROUND TIME USING A VARIETY OF INLINE FINISHING DEVICES*

*THE FINISHING TRANSPORT MODULE GIVES YOU QUICK, EASY ACCESS TO A VARIETY OF THIRD-PARTY FINISHING AND STACKING DEVICES.*

*INSERT COVERS AND COLOR PAGES*

- Booklet Makers
- Staplers
- Perfect Binders
- Punchers
- Stackers
- Inserters
- Thermal Binders
- Spiral Binding



Distributed scanning with the Xerox FreeFlow™ Scanner 665, Makeready, Process Manager and Web Services software.

*Faster than ever and completely customizable, the Nuvera Digital Production System takes monochrome to a whole new level.*

# Details make the difference.

With a proven production printing heritage plus industry-leading technology—the Xerox Nuvera™ Digital Production System is engineered to deliver high-performance images that demand attention.

## Image quality your customers will notice at every turn.

With a Nuvera Digital Production System driving your print applications, every page of every job demonstrates outstanding image quality. So your documents are clearer. More powerful. More compelling.

## Join the high-resolution revolution.

Dots per inch (dpi) and lines per inch (lpi) are essential to great image quality. But there's more to it. This system RIPs at 1200 x 1200 dpi and prints at 4800 x 600 dpi. So you get remarkably crisp text, high-quality graphics and stunning photos fast.

## What to look for in a black-and-white image:

When you judge the quality of black-and-white printing, you're looking for several things—

excellent image rendition with a wide range of gray levels, outstanding detail, even lines with smooth curves and blends, highly detailed text rendering (even at the smallest point sizes) plus uniform blacks that give your images excellent contrast. To see the image quality of the Nuvera Digital Production System firsthand, ask your Xerox representative for print samples today.



**Enjoy smoother halftones.**

With line screening up to an unprecedented 156 lpi, you get smoother grays, more realistic pictures, increased sharpness and detail—a look that is close to magazine quality. Screens of 85, 106, 125 and 134 lpi are also available.

**Print smarter.**

Our SmartPress™ imaging technology provides consistently accurate images and precise registration— $\pm .65$  mm image-to-sheet and front-to-back registration—at up to 144 ppm.

**Don't stop to replenish toner and developer.**

When you need to replace toner and developer, you can do so while the machine is running, so there's no downtime. Uniquely combined in a single container, it is conveniently replenished without placing a service call.

**Non-contact approach enhances image quality.**

Hybrid Jumping Development technology actually places toner on the photoreceptor without any contact, extending the life of several critical imaging components and enhancing image quality.

**Print on a wide variety of media.**

The machine's ability to print on a wide range of substrates—including oversized coated papers—enables the highest levels of image quality on various papers. So you can choose the one that's right for your production application.



# Built to perform. Custom designed by you.

## Scanning options to fit into any workflow

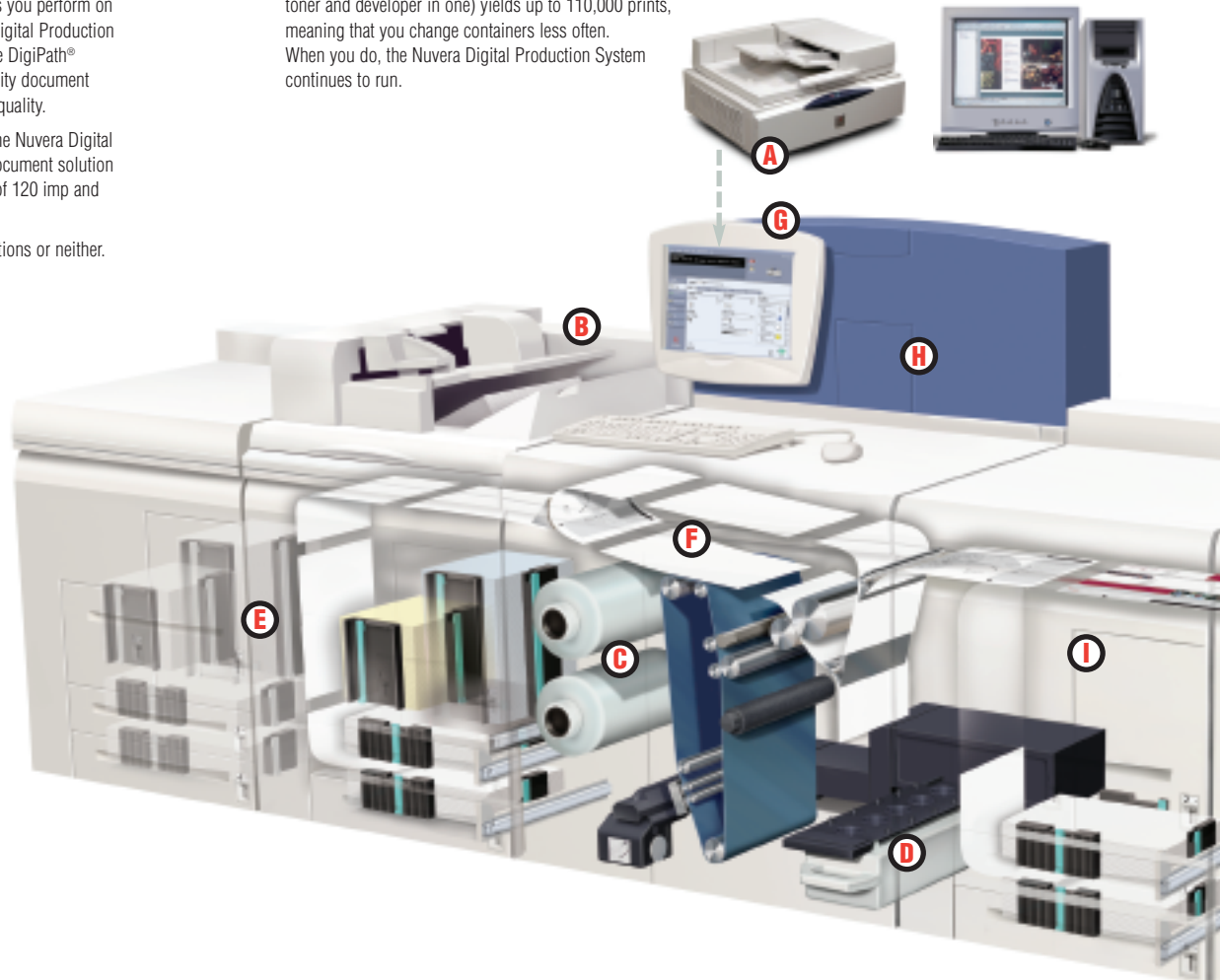
**A** Distributed scanning with the Xerox FreeFlow™ Scanner 665 makes all of the prepress functions you perform on digital documents easier. The Nuvera Digital Production System also fits into workflows that use DigiPath® Production Software or other high-quality document scanners delivering astounding image quality.

**B** The optional onboard scanner makes the Nuvera Digital Production System a fully integrated document solution with industry-leading scanning speed of 120 imp and outstanding productivity.

You can also choose both scanning options or neither.

## Change toner and developer less often and without interruption

Each of two large-volume containers (which combines toner and developer in one) yields up to 110,000 prints, meaning that you change containers less often. When you do, the Nuvera Digital Production System continues to run.



## G Built-in power ... the integrated Xerox FreeFlow™ DocuSP® Controller

The next generation FreeFlow DocuSP Controller is built into the Nuvera Digital Production System. So there's no need to consume valuable space with a separate workstation. You benefit from stronger security features, native data-stream support and improved disk usage control.

## H Flexibility in accepting jobs

The system can accept jobs in many ways, including:

- CD-RW/DVD
- Ethernet interface (10/100 BaseT; 1 GB)
- IBM Bus and Tag

## I Insertion module

Insert covers and color pages. The Nuvera Digital Production System excels at producing unique workflow jobs that require the post-insertion of color covers, inserts or specialty media. The inserter can be integrated, so you simply load the preprinted stock and run your job.

## K The Finishing Transport Module gives you an open road to several robust finishing options.



### Booklet Makers

SquareFold® Booklet Maker  
C.P. Bourg BDFX  
ASF SquareFold



### Perfect Binders

C.P. Bourg BBF 2005

The Xerox Nuvera™ Digital Production System becomes your unique digital production solution because you choose how it's designed. We build it to support the custom applications you produce.

**D Image quality and reliability from a clean imaging environment**

The Nuvera Digital Production System maintains a pristine imaging environment. Xerox cyclone cleaning technology removes stray toner, paper dust and particles from the imaging unit. It automatically cleans the corotron wires, critical in achieving its industry-leading image quality.

**E Robust feeding—more jobs and continuous operation**

Xerox technology employs heaters, blowers and a shuttle vacuum feed to handle a wide range of media types. Tiltatron technology supports production of Xerox DocuCard® applications. Additionally, the high-capacity sheet-feed module runs applications with two oversize trays. Different sheet-feed module types can be combined to enable up to eight pick points to support complex production runs. Whenever one tray runs out of media, the system automatically switches to another holding the same type.

**F Outstanding registration—enabled by Translating Electronic Registration (TELER)**

TELER registration precisely controls:

- The position of each sheet of paper according to the image on the photoreceptor.
- The speed of each sheet traveling through the paper path to assure that it is in exactly the right position to receive the latent image.

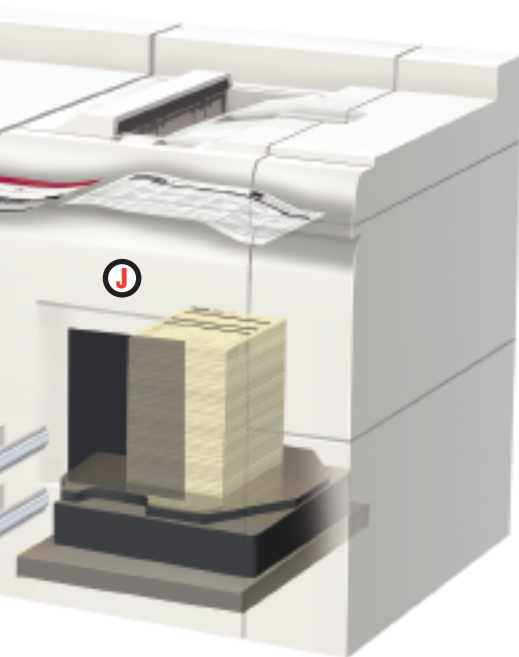
The result is superior image-to-sheet (±.65 mm) and front-to-back (±.65 mm) registration.

See the Nuvera Digital Production System specification sheet for more information and available system configurations.

**Coated ... uncoated ... the stocks customers want**

**Type**—Coated paper, bond, bristol, cover, index, offset, recycled, transparencies, carbonless, labels, tabs and preprinted forms, all of which can be loaded in any paper tray.

**Size**—From 8" x 10" to 12.6" x 18.5" (203 mm x 254 mm to 320 mm x 470 mm).



OR



**J Inline finishing that gives you more choice**

The basic finishing module:

- **Stacks** up to 3,000 sheets (20 lb/75 gsm)
- **Staples** with single or dual staple positions in sets of up to 100 sheets.
- **Size** from 7" x 10" to 12" x 18" (B5–A3)



**Punchers**  
GBC® Fusion Punch II



**Stackers**  
DS5000



**Thermal Binders**  
DB120-D



# Faster, more powerful for the long run.

We built the Xerox Nuvera™ Digital Production System to be one of the *most versatile, most durable, most productive* production printing solutions on the market. More than a machine, the system features everything you need to do great work.

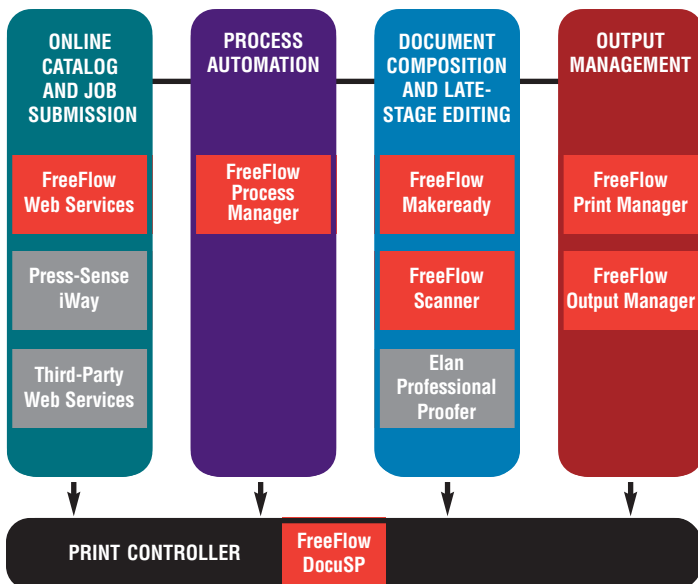


## Accelerate the performance of your workflow.

The Nuvera Digital Production System works in conjunction with the Xerox FreeFlow™ Digital Workflow Collection—a growing suite of workflow software solutions from Xerox and from partner companies. Developed to open industry standards, FreeFlow solutions enable you to leverage your existing workflow and increase productivity and profitability. FreeFlow products allow scanning, web submission, process management, advanced makeready and late-stage editing capabilities, print job and printer management.

To add even greater value, optimal workflows for specific printing opportunities have been developed:

- Print on Demand/Web-to-Print
- Book Publishing
- Promotional Transactional
- Personalized Communications
- Unified Offset and Digital



## Simple, superior control—Xerox FreeFlow™ DocuSP® Controller.

Exceptional productivity begins with the Xerox DocuSP software that powers the Xerox Nuvera™ Digital Production System and a fleet of other Xerox production devices. Advantages include:

- **Resource-based scheduling.** Assures the resources for printing are present before the job is scheduled.
- **250 virtual printers.** Enable the batching of jobs and automate workflows since job properties can be attached to the virtual printer.
- **Page-level programming.** Applies specific programming to each page within a job, giving the operator total control even for the most complex jobs.
- **Remote workflow.** Allows control of any number of DocuSP-based printers and management of jobs from a single location anywhere on the worldwide network.
- **SmartPress™ PLUS Paper Handling.** A stock library within DocuSP allows you to define the characteristics of a stock once. When selecting a stock for any tray, SmartPress™ PLUS Paper Handling understands the unique characteristics of that stock and automatically makes adjustments to successfully print each job.

**One solution for publishing or transaction environments.** With its ability to handle multiple data streams—including native LCDS and IPDS support—Nuvera Digital Production System is especially suited for transactional applications. Additional data-stream options include:

- LCDS
- PostScript®
- PDF
- Multi-page TIFF
- PPML
- IPDS
- TIFF
- ASCII
- VIPP®/PostScript®
- PCL6

## Experience exhilarating cut-sheet speed—up to 144 ppm.

Unmatched print quality is now available at true production speeds. Choose 100, 120 or 144 ppm. The Nuvera Digital Production System accepts a variety of data streams. The FreeFlow DocuSP controller enables fast first set printing and complex jobs won't slow you down.

## Optimize your operation with Xerox Productivity Plus.

The Nuvera Digital Production System is a remarkable device, offering super-tuned image quality and benchmark reliability. Now, with the Xerox Productivity Plus Integrated Maintenance Program, you have the freedom to optimize the way you run your business. Productivity Plus gives your team the power to perform routine preventive maintenance and tune-ups, ensuring maximum running time.



## Xerox prInteract™

### Remote Service Offerings

## Breathe easy with Xerox prInteract™ Remote Service Offerings.

Through a secure, online connection between Xerox engineering staff and your Nuvera Digital Production System, we can quickly respond to your service needs enabling us to:

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

# Create beautifully engineered documents, start to finish.



**High speed and gorgeous image quality are what you need to get started. Add the right paper-handling and finishing options, and you're on the highway to success.**

**Paper Feeding**—Standard modules of two or four paper trays enable you to have as many as eight pick points for imaging, supporting long print runs and complex, multi-stock jobs. A four-tray post-print insertion module can feed preprinted and specialty stocks into jobs, giving you a total feeding capacity of up to 12 pick points. The ability to reload paper without interrupting a job delivers incredible levels of continuous productivity.

For large production runs, including oversized coated stocks, the High Capacity Sheet-Feed Module is a perfect choice, it provides two oversized sheet-feeder trays with 1,600 sheets per tray capacity at up to 12.6" x 18.5" (320 x 470 mm and SRA3), for a capacity of 3,200 sheets.

**Finishing**—The Basic Finishing Module staples and stacks up to 3,000 sheets, providing incredible productivity for either inline or offline finishing. The optional Finishing Transport Module increases the range of inline finishing options.

## MICR\* capability drives safe, secure financial applications.

Xerox Nuvera™ Digital Production Systems are also available in MICR versions. And no one knows more about MICR printing than Xerox. Consider all the advantages of Xerox MICR:

- **Unmatched image quality**—especially important when printing checks or other financial documents because, when it comes to money, there's no room for fuzzy images.
- **Simple, effective security**—with a removable hard drive, it's easy to control the sensitive data that drives your MICR applications.
- **Peace of mind**—Xerox is committed to making sure that your MICR images maintain uniform signal strength from character to character and check to check, and that images are durable enough to hold up in high-speed readers/sorters.



\*Available only in North America.

## 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.

## Special requirements? We'll find a way.

Xerox continues to research and provide solutions for customers with applications that require additional capabilities to those standard on Xerox products—including the capability to run additional stock types or sizes, specialized workflow components, specific security enablers, integrity assurance tools, operational enhancements and custom printer solutions. If you currently run—or are thinking of—an application that requires special hardware, software or media, ask your Xerox representative for more information.





For more information on Xerox Nuvera™ 100/120/144 Digital Production System, call **1-800 ASK XEROX** or visit us on the web at: [www.xerox.com](http://www.xerox.com)

## Xerox Nuvera™ Digital Production Systems are on a roll.

If you're thinking about expanding your monochrome printing capabilities, why wait? With higher resolution for superior image quality, incredible hardware, software and data-stream flexibility—plus speeds up to 144 ppm—the Nuvera Digital Production System puts your black-and-white documents ahead of the pack.

Contact your Xerox representative to discuss your specific monochrome needs today.

