XEROX®

Technology | Document Management | Consulting Services

DocuColor® 242/252/260
Evaluator Guide

ABOUT THIS GUIDE

This guide will introduce you to the Xerox® DocuColor® 242/252/260 colour laser printer-copier and aid you in your evaluation process.

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Introducing the Xerox DocuColor 242/252/260 Printer-Copier

PRODUCT OVERVIEW

The DocuColor 242/252/260 printer-copier is a single-pass, colour laser printer-copier product made for colour professionals. It offers impeccable image quality, fast speed and incredible value.

It's also versatile. Xerox offers a selection of input devices, advanced finishers, high-performance controllers and more. So whether you're a commercial printer, graphic arts environment or centralised reproduction department, you can tailor the DocuColor 242/252/260 printer-copier to meet your specific needs.

PERFORMANCE

The DocuColor 242/252/260 printer-copier offers three printing speed options to meet the print volumes of your workgroups. The DocuColor 242 delivers print speeds of up to 40 ppm colour and 55 ppm black and white; the DocuColor 252 delivers print speeds of up to 50 ppm colour and 65 ppm black and white; the DocuColor 260 is a new addition to this product family and takes print speeds to new heights, with up to 60 ppm colour and 75 ppm black and white. All three products feature first-page-out times as fast as 10.7 seconds for colour and 4.3 seconds for black and white.

IMAGE QUALITY

The DocuColor 242/252/260 printer-copier provides 2400 x 2400 dpi for terrific print and copy output. You can also take advantage of Enhanced Gloss mode for output that stands out from the crowd.

Plus, these devices give you all the colour tools you need to get the colour you expect. High quality calibration gives you sharp results, day in and day out, and profiling options enable you to emulate different output devices through the proofing process.

FLEXIBILITY

There are so many options with the DocuColor 242/252/260, printer-copier from advanced finishing options to professional colour tools and security features. Busy environments have a choice of high-capacity feeders for fewer interruptions.

FEATURE SET

DOCUCOLOR 242 / 252 / 260
STANDARD FEATURES

- Up to 40 ppm colour, 55 ppm black and white (DocuColor 242)

- Up to 50 ppm colour, 65 ppm black and white (DocuColor 252)

- Up to 60 ppm colour, 75 ppm black and white (DocuColor 260)

- First-page-out time as fast as 10.7 seconds colour, 4.3 seconds black and white

- True 2400 x 2400 dpi printing and copying

- Monthly duty cycle of up to 300,000 pages

- Feed up to SRA3 media from the 250-sheet Bypass Tray (Tray 5)

- Enhanced Gloss mode

- Electronic precollation

- Standard 250-sheet DADF

- Up to 3,260-page paper capacity (plus an additional 2,000 sheets with a choice of optional high-capacity feeders)

- Large toner capacity for extended job runs

- Full-panel, colour touch screen

- Choice of colour servers including EFI® Fiery® bustled controller, EFI Splash® RPX-ii colour server, Xerox FreeFlow® DocuSP® colour server, EFI Fiery colour server, or Creo® Spire™ colour server

DOCUCOLOR 242 / 252 / 260
OPTIONAL FEATURES

- Choice of four finishing options delivering 50- and 100-sheet stapling, hole punching, saddle-stitching with centre fold, cover sheets, C- and Z-folding, and interposing

- 2,000-sheet feeder (A4)

- 2,000-sheet oversize high-capacity feeder (SRA3)

- EFI Fiery bustled controller optional features:
  – Splash RPX-ii software solution
  – 512 MB memory
  – Secure Erase
  – Hotfolders/Virtual Printers (standard on DocuColor 260)
  – Colour Profiler
  – Impose
  – Xerox® Scan to PC Desktop®

- Foreign device interface kit for coin ops, card readers and accounting solutions

- Convenience stapler

- Mobility plate

Evaluating Colour Laser Printer-Copiers

For colour professionals, there's nothing more vital than a device that can produce speedy, precise colour printouts. Xerox invented laser printing and printer-copier devices, so we know how to deliver. We've invested years of research and development in designing devices that offer fast, accurate and affordable colour.

Based on our in-depth understanding of customer needs in colour-critical environments, Xerox recommends you consider the following criteria in the evaluation process of a colour printer-copier product:

PERFORMANCE AND PRINT SPEED

Can it keep up with the demands of multiple jobs and client deadlines?

IMAGE QUALITY

Does it produce colour and clarity that exceed the expectations of colour professionals?

FLEXIBILITY

Can it be customised to the specific needs of your business?

This section of the Evaluator Guide will examine each of these areas and suggest ways you can evaluate colour printer-copiers against these requirements. Do this for all of the colour printer-copiers you consider, and you'll see how the DocuColor 242/252/260 printer-copier exceeds expectations on all counts.

For graphic arts and light production environments, **overall system speed and performance** are critical considerations. **Print speeds** are critical in light production environments, where longer print jobs are regularly produced. In graphic arts and colour-intensive environments, **processing speed and overall performance** will help avoid bottlenecks and quickly process large jobs. Lastly, consider the **consumables** for the printer-copiers you are evaluating, and whether they will help you avoid downtime.

THE XEROX ADVANTAGE

HOW THE DOCUCOLOR 242 / 252 / 260 EXCEEDS THE PERFORMANCE AND PRINT SPEED REQUIREMENT:

PRINT SPEED

Ever think your printer could print as fast in colour as it does in black and white? The DocuColor 242/252/260 printer-copier comes close, while delivering print speeds you probably haven't experienced before. The DocuColor 242 features print speeds of up to 40 ppm for colour and 55 ppm for black and white. The DocuColor 252 delivers print speeds of up to 50 ppm for colour and 65 ppm for black and white. The DocuColor 260 brings the performance of the Xerox colour product line to new heights, with colour print speeds of up to 60 ppm and black and white print speeds up to 75 ppm. With first-page-out times (FPOT) as fast as 10.7 seconds for colour and 4.3 seconds for black and white, your jobs not only print fast, but also get started quickly.

PROCESSING POWER

The bustled controller in the DocuColor 242/252/260 utilises a 2.8 GHz Intel® Celeron® processor and 512 MB of standard memory, upgradeable by a further 512 MB to 1GB. This EFI Fiery bustled controller can also be configured with the EFI Splash RPX-ii software solution.

For environments with pre-existing workflows or specific processing needs, Xerox offers three additional external colour server options. All of your processing and workflow requirements can be met by a DocuColor 242/252/260.

OVERALL PERFORMANCE

No matter how big or complex the mix of print jobs, the DocuColor 242/252/260 can handle it. With fast print speeds, quick FPOT, a fast network connection and powerful image processing, these printer-copiers have the horsepower to handle your workload. With five standard paper trays, optional high-capacity feeders, and a 250-sheet DADF, your large print and scan jobs are also handled with minimal interventions.

CONSUMABLES

The DocuColor 242/252/260 printer-copier utilises Xerox SMart Kit™ customer replaceable units so that regularly replaced supplies can be replaced without requiring a service call. Further, these copier-printers are designed so that you can replace toner cartridges while the machine is still copying or printing — avoiding interruptions that occur when toner cartridges run completely empty. The DocuColor 242/252/260 also utilises two black toner cartridges, doubling the capacity of the most often used toner colour.

EVALUATE IMAGE QUALITY

Image quality takes into account a number of factors. The image quality of a colour printer-copier is directly tied to the **imaging technology** it is based on. **Colour management features** that allow you to fine-tune the output of your printer-copier will also ensure you get the **vibrant, accurate colour** your applications require.

THE XEROX ADVANTAGE

HOW THE DOCUCOLOR 242 / 252 / 260 EXCEEDS THE IMAGE QUALITY REQUIREMENT:

IMAGING TECHNOLOGY

With 2400 x 2400 dpi resolution for both copy and print, you can be sure you're getting high-quality output with excellent fine-line detail and crisp text. This high resolution is enabled by Xerox VCSEL technology, which utilises a 32-beam laser to write data at a quicker rate and at a higher resolution.

The DocuColor 242/252/260 printer-copier utilises Xerox Emulsion Aggregate High Grade (EA-HG) toner, which is chemically grown rather than ground. EA-HG toner features smaller and more uniformly sized particles, resulting in fine colour detail and smooth transitions. There is even an Enhanced Gloss Mode for printing and copying to add higher gloss levels to print and copy jobs.

You will also get consistent colours with the DocuColor 242/252/260. Developer material, or carrier, is included in the toner cartridges, enabling fresh developer to be constantly added and resulting in consistent print quality print after print and copy after copy.

COLOUR MANAGEMENT

Xerox delivers advanced colour management and profiling options with the DocuColor 242/252/260. These options allow you to proof your documents against other mediums like printing presses, web pages, copiers or digital presses. You can optimise the colour output of your document throughout the design process and eliminate surprises in the production phase.

An array of advanced colour-management and colour-matching utilities is also available with the optional external colour servers. Optional colour servers available for the DocuColor 242/252/260 include the Xerox FreeFlow® DocuSP® Colour Server, EFI Fiery Colour Server and the Creo® Spire™ Colour Server.

Flexibility and scalability are critical for printer-copiers deployed into graphic arts and light production departments. Consider the **range of controller options** available, and whether these options can deliver the features and performance you need most. Are **finishing options** available to automate document production? Is the **paper capacity** expandable to keep up with your highest printing volumes? Flexibility also pertains to **media flexibility** — think about your applications and whether the printer-copiers you're evaluating support the media you need.

THE XEROX ADVANTAGE

HOW THE DOCUCOLOR 242 / 252 / 260 EXCEEDS THE FLEXIBILITY REQUIREMENT:

COLOUR SERVER OPTIONS

With graphic arts and colour-intensive applications, Xerox understands that there is no single controller that meets the needs of all customers. The DocuColor 242/252/260 offers you a wide choice of colour servers that deliver the power and flexibility you need in your business. Each colour server features different colour tools, workflow capabilities, processing speed, and colour management — making the DocuColor 242/252/260 a good fit in almost any environment.

- EFI® Fiery® Bustled Controller — World-class colour and easy-to-use workflow, and the inclusion of Command WorkStation® 4.5 make it easy to program, monitor and manage workflows. Precise colour-management tools enable accurate colour from any application, platform or format.

- EFI Splash® RPX-ii Software Solution — This server software option for the EFI Bustled Controller gives graphic arts professionals the colour-document and production-management features they need for their most demanding creative assignments. It is designed for use in Mac OS® environments with G5- or Intel-based systems.
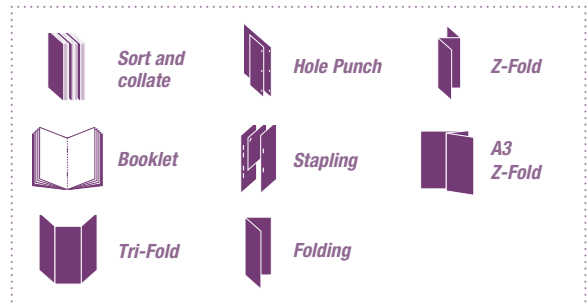
- Xerox FreeFlow® DocuSP® Colour Server — User-friendly colour server combines advanced colour management with unmatched security features and system management. With features that fit easily in today's demanding colour environments, push the envelope of key applications, and help you deliver outstanding colour, this server is a great fit in graphic arts and light production environments.

- EFI Fiery Colour Server — With outstanding colour-management tools and fast RIP speeds, this server delivers impressive productivity and flexibility in virtually any printing environment. Multiple upgrade options are available to fine-tune the features to your specific requirements.

- Creo® Spire™ Colour Server — Available in both attached and standalone versions, this server lets you easily perform everything from preflight checks to proofing, imposition to short-run production, and much more. Available upgrades include the Professional Kit and a control station.

FINISHING OPTIONS

Whether you are printing a brochure, newsletter, presentation or direct mail piece, you want to put your best face forward. The DocuColor 242/252/260 gives you multiple finishing options for creating professional, ready-to-distribute documents.

- Simple Catch Tray
  - 500 sheets
- Offset Catch Tray
  - 500 sheets
- Advanced Finisher —
  - 3,000-sheet stacker, 500-sheet top tray
  - 50-sheet multiposition stapling and hole punching
- Professional Finisher —
  - 1,500-sheet stacker, 200-sheet top tray
  - 50-sheet multiposition stapling and hole punching
  - 15-sheet V-folding with saddle-stitching
- Light-Production Finisher —
  - 1,500-sheet stacker, 500-sheet top tray
  - 100-sheet multiposition stapling and hole punching
  - V-folding with saddle-stitching
  - 200-sheet interposer
  - Active decurling for heavyweight media
- Light-Production Finisher with Folder —
  - 1,500-sheet stacker, 200-sheet top tray
  - 100-sheet multiposition stapling and hole punching
  - V- / C- / Z- / Engineering Z-folding with saddle-stitching
  - 200-sheet interposer
  - Active decurling for heavyweight media

Sort and collate Hole Punch Z-Fold
Booklet Stapling A3 Z-Fold
Tri-Fold Folding

Advanced Finisher | Professional Finisher | Light-Production Finisher | Light-Production Finisher with Folder

PAPER INPUT OPTIONS

The DocuColor 242/252/260 boasts an impressive 3,260-pages of standard paper capacity in five trays. For the highest volume environments, Xerox offers two high-capacity feeder options that add capacity and further reduce interventions during heavy printing.

- High-Capacity Feeder —
  - 2,000-sheet capacity
  - Supports A4 paper
- Oversize High-Capacity Feeder —
  - 2,000-sheet capacity
  - Supports up to SRA3 paper

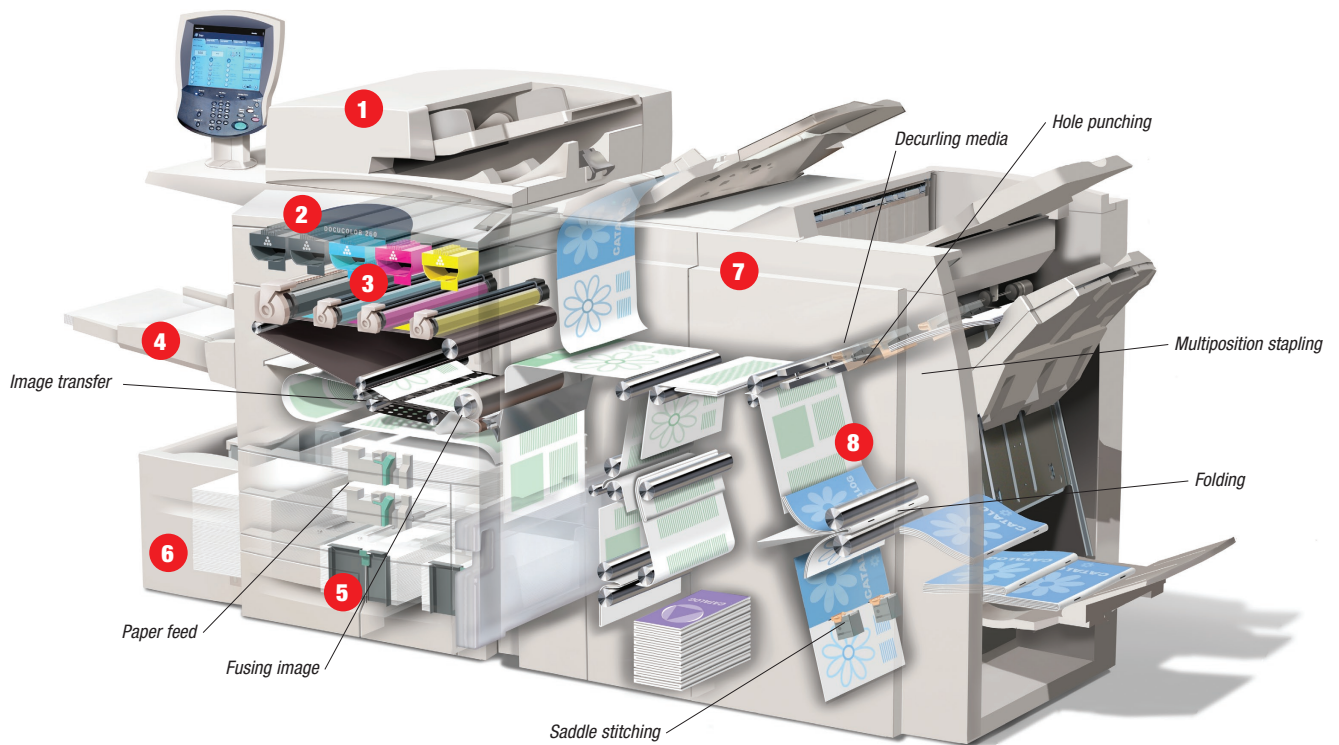High-Capacity Feeder Oversized High-Capacity Feeder

BROAD MEDIA SUPPORT

The DocuColor 242/252/260 was designed to expand your options, rather than limit them. These printer-copiers include support for a wide range of media — up to 300 gsm. In addition to heavy media, specialty media support includes transparency, synthetic, coated, DocuCard™ and transfer media. In addition to media weights and types, the DocuColor 242/252/260 features very broad media size support, with custom sizes all the way up to SRA3 paper so you can produce A3 full-bleed prints.

DocuColor 242/252/260 Feature Review

Decurling media

Hole punching

Image transfer

Multiposition stapling
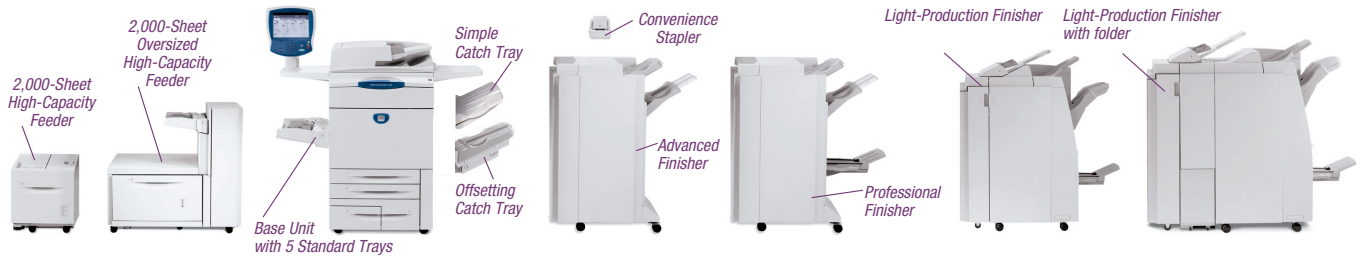
Folding

Paper feed

Fusing image

Saddle stitching

The DocuColor 242/252/260 printer-copiers enable the production of all types of documents and are ideal for a wide array of printing environments.

1 250-sheet Duplex Automatic Document Feeder (DADF) simplifies the copying and scanning of large jobs, offering scan speeds up to 50 ppm colour and 80 ppm black and white.

2 Extra toner capacity. Two black toner SMart Kit™ replaceable units (including fusers) keep replenishment interventions to a minimum and productivity at its highest. All toner cartridges are load-while-run, allowing you to replenish the toner without interrupting the job.

3 Trickle-charge development system—unique to Xerox—maintains print consistency throughout the workday.

4 A short and straight paper path provides production performance, a heavier media-feeding capability, and increased reliability.

Centre-registered feeding results in accurate registration.

5 Five standard trays have an amazing 3,260-sheet capacity.

6 Optional high-capacity feeders are available for long job runs, including a 2,000-sheet Oversized High-Capacity Feeder (OHCF) that can handle sheet sizes up to SRA3 and can increase feeding capacity to 5,260 sheets.

7 Optional finishers (Light-Production Finisher shown above) lets you produce more documents in-house.

8 With 2400 x 2400 dpi resolution, you enjoy excellent image clarity in both prints and copies. To maintain this consistently brilliant image quality, the unit employs an automatic Charge Corotron Cleaning Assembly.

Configurations, Specifications, Supplies, Support and Information Sources

DOCUCOLOR 242 / 252 / 260 CONFIGURATION SUMMARY

		DocuColor 242	DocuColor 252	DocuColor 260
Speed (Colour/Black and white)		Up to 40 ppm/55 ppm	Up to 50 ppm/65 ppm	Up to 60 ppm/75 ppm
Duty Cycle*		Up to 200,000 pages per month	Up to 200,000 pages per month	Up to 300,000 pages per month
Average Monthly Print Volume**		10,000 to 40,000 pages per month	10,000 to 40,000 pages per month	20,000 to 60,000 pages per month
Paper Handling Paper input	Standard	250-sheet Bypass Tray; Two 500-sheet A3 Paper Trays; One 870-sheet A4 Paper Tray; One 1,140-sheet A4 Paper Tray (Total 3,260 sheets)		
	Optional	**2,000-sheet High-Capacity Feeder** – A4 **2,000-sheet Oversize High-Capacity Feeder** – up to SRA3 and up to 300 g/m²		
Paper output	Optional	**Simple Catch Tray (SCT):** 500 sheets **Offsetting Catch Tray (OCT):** 500 sheets **Advanced Finisher:** 500-sheet top tray, 3,000-sheet stacker tray, Hole punching, and Multiposition stapling **Professional Finisher:** 500-sheet top tray, 1,500-sheet stacker tray, Hole punching, Multiposition stapling, Bifold booklet making, Saddle-stitch booklet maker **Light-Production Finisher:** 200-sheet top tray, 1,500-sheet stacker tray, Hole punching, Multiposition stapling, Bifold, Saddle-stitch booklet maker, Interposer **Light-Production Finisher with Folder:** 200-sheet top tray, 1,500-sheet stacker tray, Hole punching, Multi-position stapling, Bi-fold, Saddle-stitch booklet maker, Interposer, Tri-fold and Z-fold (A4 and A3)		
Copy Precollation memory		256 MB plus 80 GB hard disk drive		
First-page-out time		As fast as 10.7 seconds colour/4.3 seconds black and white		
Copy resolution		2400 x 2400 dpi		
Copy features		Reduce/Enlarge (25% – 400%), Enhanced gloss level, Book copying/two-sided book copying, Mixed-sized originals, Image rotation, Edge erase, Mirror/negative images, Image shift, ID Card Copy, Bates stamping, Booklet creation, Multi-Up, Annotation and set numbering, Covers, Poster mode, Repeat Image, Build Job, Delete inside/outside editing		
Print Print Resolution		2400 x 2400 dpi		
Scan Scan Resolution		200 x 200 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi		
Other Options		Foreign Interface Kit, Convenience Stapler		

*Duty Cycle - Maximum volume capacity expected in any one month. Not expected to be sustained on a regular basis.

**Average Monthly Print Volume - Expected regular monthly throughput.

Specifications

Print Driver Support	Fiery Driver 2.5 (bidirectional) support for: Windows® 2000, Windows® XP, Windows® 2003 Server Mac OS® 9.2, Mac OS® 10.2.3 and later
Media Handling Supported Sizes:	Trays 1 & 2 — Custom sizes up to A3 Trays 3 & 4 — Custom sizes up to A4 Bypass Tray (Tray 5) — Custom sizes up to SRA3
Supported Weights:	Trays 1 through 4 — 64 to 220 gsm Bypass Tray (Tray 5) — Up to 300 gsm
Maximum Image Size	Print — 323 x 480 mm Copy — 297 x 432 mm
Electrical	DocuColor 242 — 10 amp (220/240) DocuColor 252 — 10 amp (220/240) DocuColor 260 — 12 amp (208/240)
Physical Dimensions (width x depth x height)	Minimum Footprint — 623.3 mm x 914.4 mm x 1,369.2 mm Maximum Footprint — 2,982 mm x 914.4 mm x 1,369.2 mm

Consumables and Routine Maintenance Items

Description	Details	Part Number
DocuColor 242/252/260 Toner Cartridges	Black	006R01223
	Cyan	006R01226
	Magenta	006R01225
	Yellow	006R01224
DocuColor 242/252/260 Black Drum Cartridge	150,000 prints	013R00602
DocuColor 242/252/260 CMY Drum Cartridge	65,000 prints	013R00603
DocuColor 242/252 Fuser Assembly (220 V)	160,000 impressions (Heat roller fuser belt, NC sensor, thermostat, lamp and baffle)	008R12989
DocuColor 242/252/260 CC Assembly	For Black Drum Cartridge	013R00630
DocuColor 260 Fuser Assembly (220 V)	160,000 impressions (Heat roller fuser belt, NC sensor, thermostat, lamp and baffle)	008R13039
Staple Refill	For Finishers and Convenience Stapler	008R12941
Staple Cartridge	For Professional and Advanced Finishers and Convenience Stapler	008R12964
Staple Cartridge	For Light Production Finishers	008R13029
Staple Cartridge	For Advanced and Light Production Finishers with Booklet Maker	008R12925

Options/ Upgrades/ Accessories	Description	Details	Part Number
	Simple Catch Tray	500-sheet capacity	497K02440
	Offset Catch Tray	500-sheet capacity	497K02420
	Advanced Finisher	3,500-sheet capacity (stacking, hole-punching, multiposition stapling)	097S03843
	Professional Finisher	2,000-sheet capacity (stacking, hole-punching, multiposition stapling, bifold/saddle-stitch booklet making)	097S03842
	Light-Production Finisher	1,700-sheet capacity (stacking, hole-punching, multiposition stapling, bifold/saddle-stitch booklet making, interposing)	097S03787
	Light-Production Finisher with Folder	1,700-sheet capacity (stacking, hole-punching, multiposition stapling, bifold/saddle-stitch booklet making, interposing, C- and Z-folding)	097S03862
	Convenience Stapler (220 V)		498K09260
	High-Capacity Feeder	2,000-sheet capacity (up to A4)	097S03304
	Oversize High-Capacity Feeder	2,000-sheet capacity (up to SRA3)	097S02796
	Foreign Device Interface Kit		498K14460
	Mobility Plate Kit	For DocuColor 242/252/260	498K12240
	Mobility Plate Kit	For Advanced and Professional Finishers	498K12251
	Mobility Plate Kit	For Light Production Finisher	498K15810
	Mobility Plate Kit	For High-Capacity Feeder	498K16290
	Mobility Plate Kit	For Oversize High-Capacity Feeder	498K14390

RECOMMENDED MEDIA

Xerox offers the broadest portfolio of digitally optimised paper and specialty media under one brand, making it easy for you to maximise the capabilities of your Xerox DocuColor 242/252/260 printer-copier and generate new revenue opportunities. Whether you need to create and print a customised newsletter, brochure, transparency, label, ID card, or durable document, Xerox paper and specialty media is your best choice.

INFORMATION SOURCES

The DocuColor 242/252/260 Training and Information CD (packaged and shipped with the product) is an interactive method to instruct the user on how to master copy and print operations.

SYSTEM CONFIGURATION PAGES
Printed when the system is powered up for the first time.

SUPPORT
Additional help, software and driver updates available at:
www.XEROX.COM/OFFICE/SUPPORT

WEB LINKS
Xerox provides many resources to help you learn more about your Xerox printer-copier device. Use these web sites to obtain information about your Xerox product:

- To link to product and supplies information, download printer drivers, view documents, and access support information:
  www.XEROX.COM/OFFICE

- To access the troubleshooting knowledge base used by Xerox Customer Support staff:
  www.XEROX.COM/OFFICE/INFOSMART

- To find your local sales and support center:
  www.XEROX.COM/OFFICE/CONTACTS

Questions?
Comments?
Problems?

If you have any questions, please
contact your Xerox sales representative,
call **00 800 9000 9090**, or visit us on
the web at **www.xerox.com/office**.

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