

MPA4-1 Digital scanner

Read on screen, print on paper, scan to PC. The digital era gives you powerful new ways to use microform information. Now there's a microform scanner that makes it easy to do all three.

The Minolta MPA4-1 gives you dual output, to switch from PC scanning to high-speed laser printing at the touch of a button. Connected to a PC, the MPA4-1 allows scanning at up to 800 dpi to use and distribute your microform information in websites, emails, faxes and desktop publishing.

There's a wide range of microform media options for film, fiche, jacket and card formats. Modular scanner and printer design lets you set up your system to suit your workspace, and two scanners can even share a single printer, for extra cost-efficiency in multi-user applications.

Applications:

The MPA4-1 is the ideal digital solution for a wide range of high-productivity microform applications in libraries, reference collections, education, government, or business. It combines more ways to use your microform archive: on-screen reading, high-resolution laser printing, or scanning direct to your PC for using and distributing your microform information in websites, emails, faxes and desktop publishing.

Specifications:

Type: Desktop Universal Digital Microform Scanner

Type of Film: Microfiche, jackets, aperture cards, 16mm & 35mm roll film, 16mm film cartridges

Screen: 12" x 12" (300mm x 300mm)

Magnification Lenses: Fixed lens: 7.5x; Zoom lenses: 9 - 16x, 13 - 27x, 23 - 50x zoom ratios

Focus Control: Manual

Image Rotation: Prism rotation (auto, prism lens included); Carrier rotation (fiche carrier)

Scanning Density: 200, 300, 400, 600, 800 dpi

Optical Resolution: 400 dpi

Electronic Zooming: 50% - 200%

Multiple Printing: 1-19 prints (LED countdown identification) w/ MSP 3000 and MSP 2000 printers

Hardware Interface: Video (Direct Print), SCSI-2 (PC) (switchable on front panel)

Exposure: Auto, manual

Scanning Features: Auto Centering, Auto Frame Masking, Auto Image Rotation, Auto Skew Correction, Date Stamp Annotation (optional, w/printer), Footswitch Support, Front-Panel Scanning ("Push" scanning), Greyscale Support (optional), Manual Masking (trimming & masking: optional)

Halogen Lamp: 20 V, 150 W
Power Requirements: AC 100 V, 50-60 Hz; AC 120 V, 60 Hz; AC 230 V, 50 Hz
Power Consumption: 350 W
Dimensions (W x D x H): 19-3/4" x 32-3/8" x 28-1/4" (503mm x 821mm x 716mm)
Weight: 86 lbs. (39 kg)

MSP3000 Printer Specifications

Printing Method: Laser electrostatic
Developing System: Minolta Fine Micro-Toning (Fine-MT) system
Print Resolution: 600 dpi
First Print Speed: 13 seconds (8-1/2" x 11" or A4; landscape)
Print Speed: 20 sheets per minute (8-1/2" x 11" or A4, 400 dpi)
Print Size: 8-1/2" x 11" (A4) landscape, 8-1/2" x 11" (A4) portrait, 8-1/2" x 14" (B4) landscape, 11" x 17" (A3) portrait
Paper Supply: 150-sheet universal paper tray; 250-sheet universal cassette; 500-sheet letter-size cassette (optional); 3rd paper tray with 250-sheet universal capacity (optional)
Maximum Paper Capacity: 1,150 sheets
Warm-Up Time: Less than 70 seconds
Power Consumption: 750 W
Printer Dimensions (W x D x H) 22" x 20-1/2" x 16" (561mm x 521mm x 409mm)
Printer Weight: 61 lbs. 12 oz. (28 kg) (including imaging cartridge)

MSP2000 Printer Specifications

Printing Method: Laser electrostatic
Developing System: Minolta Fine Micro-Toning (Fine-MT) system
Print Resolution: 400 dpi
First Print Speed: 19 seconds (8-1/2" x 11" or A4; landscape)
Print Speed: 8 sheets per minute (8-1/2" x 11" or A4, 400 dpi)
Print Size: 8-1/2" x 11" (A4) landscape
Paper Supply: 250-sheet multi-purpose paper tray; manual feeding (1 sheet at a time)
Maximum Paper Capacity: 250 sheets
Warm-Up Time: Less than 20 seconds
Power Consumption: 580 W or less
Printer Dimensions (W x D x H) 15-1/2" x 11-2/5" x 19-2/3" (394mm x 446mm x 327mm) (without face-up tray)
Printer Weight: 15 lbs. 7 oz. (7 kg) (including imaging cartridge)

Design & specifications are subject to change without notice.

Features:

- Proven Technology: The MPA4-1 builds upon experience to give you one of the most reliable, user-friendly microform systems on the market
- Simple Dual Output: Simple front-panel controls let you switch from high-quality laser prints at up to 20 sheets per minute to scanning into your PC at up to 800 dpi resolution
- Anti-Glare Screen: A high-resolution 12" x 12" anti-glare screen with adjustable screen brightness makes reading microform information easier on your eyes
- Ergonomic Controls: All important controls are right at your fingertips and operation is simple and intuitive, even for first-time users
- Fast Front-Panel Scanning: "Push" scanning lets you initiate scanning and make all your scan adjustments right from the front panel of your MPA4-1, so you don't have to move from scanner to PC keyboard
- Auto Imaging Convenience: Motorized image rotation, Auto Skew Correction, Auto Centering and Auto Frame Masking are all standard features
- Manual Masking: Optional side-screen LED lights provide visual cues to allow you to manually select print or scan areas, as well as define the areas to be masked or cut
- Multifilm Versatility: The MPA4-1 supports multiple film and fiche carriers: Universal Carriers UC-2, UC-5, UC-6, UC-7 for quick changeover from 16mm or 35mm reels to fiche, aperture cards or jackets; Fiche Carrier 5 to accommodate fiche, jackets and aperture cards; Roll Film Carrier 9B, 11, 15A, and 22A (for ANSI) or 15M (for M-type) cartridges, or Roll Film Carrier 21 (both ANSI and M-type) with auto load/rewind. (Carriers are interchangeable with Minolta MicroSP-Series and 600-Series reader/printers.)
- Interchangeable Lenses: Choose from four types of lenses that provide all the magnification ratios you'll need from a single-focus 7.5x lens, to zoom lenses that span 9 - 16x, 13 - 27x, or 23 - 50x zoom ratios. (Lenses are interchangeable with Minolta RP605Z/RP603Z models.)
- PC Upgrade Kit: The optional PC Upgrade Kit transforms your MPA4-1 into a computer peripheral scanner that lets you bring microfilm and microfiche images into your PC and use them in website, email, fax, and desktop publishing applications
- PC Connection: Standard SCSI Interface with TWAIN software driver lets you use Windows 95/98, Windows ME, even Windows NT/Millennium; a powerful SCSI-32 connection allows faster transfer rates through standard cables
- Greyscale Support: The optional greyscale upgrade Kit lets you output 8-bit greyscale images to your PC, with 256 greyscale levels that reveal more detail in halftones and allow low-contrast images to be captured as accurately as possible
- MARS Control Capability: When using Minolta roll film carriers RFC-15A, RFC-15M, RFC-21, or RFC-22A, the Minolta MARS 4 or MARS Mini 2 Controller enables your computer-aided retrieval software to automatically search, retrieve and print your blipped microfilm images

- Compact Modular Design: The scanner unit fits easily on tabletop or counter; modular design lets you position scanner and printer separately

MSP3000 Printer Features

- High-Speed Output: Prints up to 20 pages per minute, with first print (8-1/2" x 11") in just 13 seconds to reduce waiting time in busy libraries, schools, archives, and government agencies
- Superior Print Quality: Minolta's exclusive Fine Micro-Toning (Fine-MT) System uses precision laser technology to reproduce fine details other printers might miss
- Three Print Modes: Select Text mode for legible text, Photo mode to make halftone images more vivid, and Fine Mode for maximum image detail with complex visuals or to clean and enhance old or fading film images
- Printer Sharing: A single MSP3000 printer can be shared by two reader units, increasing your productivity
- High Paper Capacity: Standard 150-sheet paper tray and 250-sheet universal cassette give you 400-sheet capacity and with options, your MSP3000 printer holds a maximum of 1,150 sheets for longer service with less frequent paper reloading
- Simple Maintenance: An all-in-one imaging unit and a short paper feed path makes changing toner and clearing jams quick and easy
- Dedicated Workstation: When desktop space is limited, you can take advantage of an optional workstation with over-and-under design that places the reader above and the printer below.

Optional Accessories:

- MSP3000 Digital Laser Printer: 20-ppm output speed, 1,150-sheet maximum paper capacity, first copy in just 13 seconds
- MSP2000 Digital Laser Printer: 8-ppm output speed, 250-sheet paper capacity, first copy in 19 seconds
- Greyscale Kit: 256 levels, 8-bit output to PC provides high-quality scanned images of halftones and graphics
- Lenses: Single-focus 7.5x, Zoom 9 - 16x, 13 - 27x, or 23 - 50x; all lenses are the same as used by MPA4-3 & MPA4-4
- Fiche Carrier: Fiche Carrier 5 (FC-2) for fiche only
- Universal Carriers: UC-2, UC-5, UC-6, and UC-7 to handle both 16mm and 35mm open-reel film and Roll Film Carriers: RFC-9B and RFC-11 to handle open-reel 16mm and 35mm film; RFC-15A, RFC-22A to handle 16mm ANSI film clips; RFC-15M to handle M-type cartridges; RFC-21 to handle both 16mm M-type and ANSI cartridges
- Manual Frame Masking Kit: Allows you to use convenient front-panel control buttons on your MPA4-1 to trim and mask images
- MARS Controllers: MARS Controller 4, MARS Mini Controller 2
- PC Interface Kit: Lets you scan microform images direct to your PC.
- Workstations: With space-saving over-and-under design
- Footswitch: For convenient foot operation.

