MINOLTA

MS6000 Microform Scanner

Overview

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 MS6000 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 MS6000 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.

MSRP

The MSRP for the MS6000 Microform Scanner is $5,420.00. Please see your authorized Minolta dealer for additional information.

Features

Proven Technology:
The MS6000 builds upon Minolta's experience with the popular MicroSP2000 and MS2000 Reader/Printers 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 MS6000, 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.

Multiform Versatility:
The MS6000 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 MS6000 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.

Grayscale Support:
The optional Grayscale Upgrade Kit lets you output 8-bit grayscale images to your PC, with 256 grayscale 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.

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; Auto (optional)

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), Grayscale 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.

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.

Grayscale 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 Minolta MicroSP 2000, MS2000, RP603Z and RP605Z.

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 fiche (universal carriers are interchangeable with Minolta MircoSP-Series and 600-Series Reader/Printers).

Roll Film Carriers: RFC-9B and RFC-11to 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 (film carriers are interchangeable with Minolta MicroSP-Series and 600-Series Reader/Printers).

Manual Frame Masking Kit: Allows you to use convenient front-panel control buttons on your MS6000 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.

Applications

Minolta's MS6000 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.

FAQs

Does the MS6000 work with both microfilm and microfiche?
Yes. As with nearly all Minolta reader-printers, The main unit is sold separately from the film/fiche carriers. The MS6000 is compatible with the UC-2, UC-5, UC-5M and UC-6 universal carriers, all of which support the use of open reel film and fiche.

If I upgrade my old Reader-Printer can I use any of my existing lens or carriers with the MS6000?
If you are upgrading from a MicroSP 2000, MS2000, RP603Z or 605Z reader-printer, then all the carriers will be compatible. In addition, you can use the same zoom lenses from the MicroSP 2000, MS2000 and RP603Z or RP605Z.

Do you sell workstations for the MS6000?
Yes, we do sell a workstation for the MS6000 and your Minolta dealer may also be able to provide alternative workstations as well.

Can I use the MS6000 to digitize my microforms?
The MS6000 offer an optional PC Upgrade Kit that allows you to convert it to a PC-connectable scanner which can be used to digitize your microforms.

Can I use my own printer with the MS6000?
No, the MS6000 can only utilize the MSP 3000 or MSP 2000 printer. Minolta's proprietary video connection ensures a high-speed solution.