# MS 7000

**Minolta Microfilm Scanner**

MINOLTA

**MINOLTA DIGITAL MICROFORM SCANNER**

**TYPE:** DESKTOP UNIVERSAL SCANNER

**SCREEN SIZE:** 303mm X 440mm(12" X 17")

**RESOLUTION:** 200, 300, 400, 600, 800 dpi

**SCAN SPEED:** 5 SECONDS

**MEDIA:** MICROFICHE, JACKETS, APERTURE CARDS
16mm & 35mm ROLL FILM, 16mm CARTRIDGES

MS
7000
SCAN | READ | PRINT

## MS 7000: YOUR WIDESCREEN SOLUTION
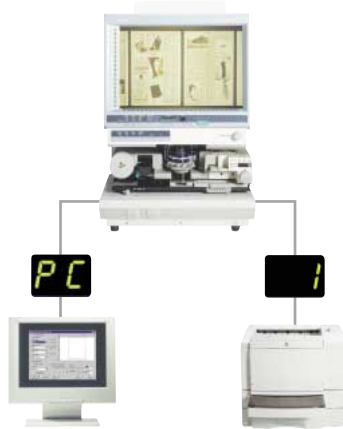## FOR FASTER MICROFORM SCANNING & PRINTING.

In a wide range of high-productivity information environments, speed means productivity. Minolta's MS 7000 Digital Microform Scanner is your ideal solution — because it gives you widescreen scanning that lets you review more information in less time at a higher magnification.

The MS 7000 also makes it easier to scan and print. With dual output, you can switch from PC scanning to laser printing at the touch of a button. Vertical stacking lets you automatically combine front and back of checks on a single print. And high-resolution PC scanning at up to 800 dpi lets you use and distribute microform information in web sites, e-mails, faxes, and desktop publishing.
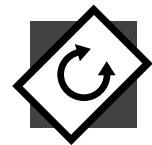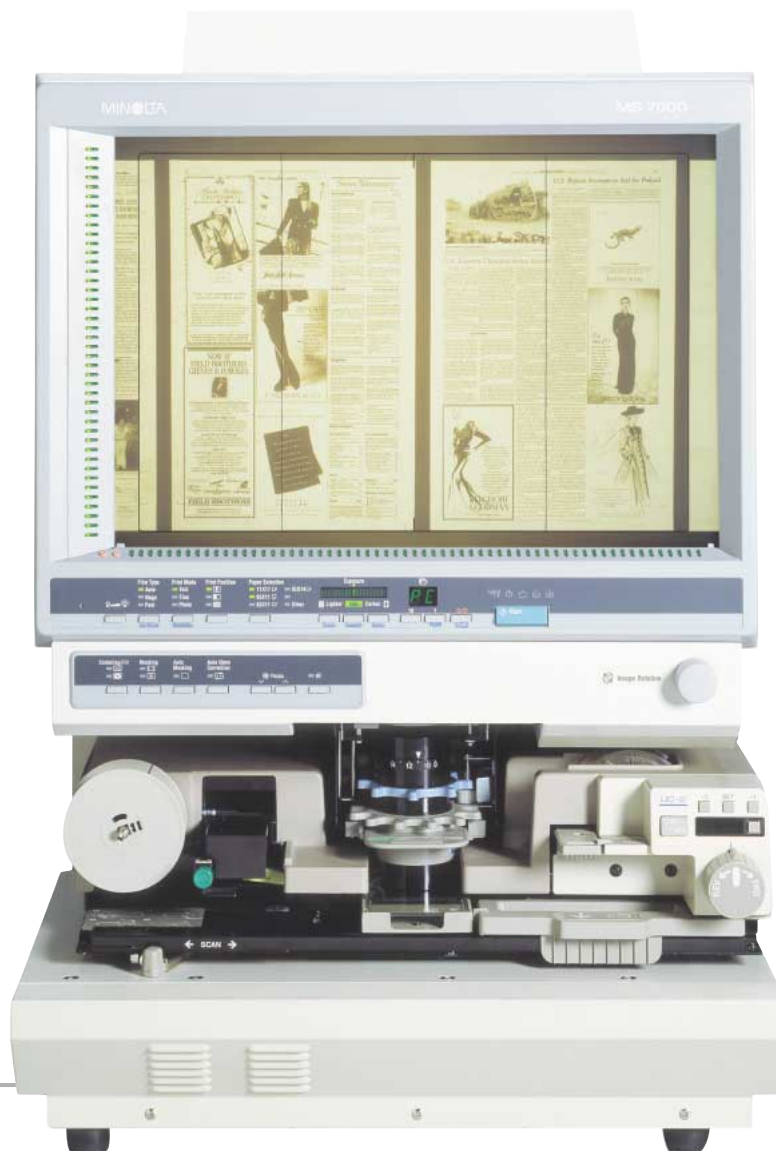
Professionals in finance and business applications, education, government and libraries already count on Minolta microform scanners for quality optics and sturdy construction. With the MS 7000, we've combined multiple microform capabilities in a single cost-effective system that's easier to use and more reliable in action. Solution: Minolta!

**DUAL OUTPUT FUNCTION:** Prints or scans images through simple front-panel controls, giving you a computer peripheral that lets you scan microfilm and microfiche images into your PC at up to 800 dpi resolution for use in web sites, e-mail, faxes, desktop publishing and electronic distribution.

**303 X 440 mm (12" X 17") SCREEN:** A wide anti-glare screen lets you see more microform information at a glance — more checks, more pages, more graphics.

**AUTO IMAGING CONVENIENCE:** Motorized image rotation, auto skew correction, auto centering and auto frame masking are all standard features.

**PROVEN TECHNOLOGY:** The MS 7000 builds on the success of the popular Minolta MicroSP 3000 and MS 3000. We took all we learned from a track record of proven success at some of today's leading high-production and financial applications to make the MS 7000 even better — with a combination of modern features and field-tested technology that gives you one of the most reliable, user-friendly microform systems on the market.
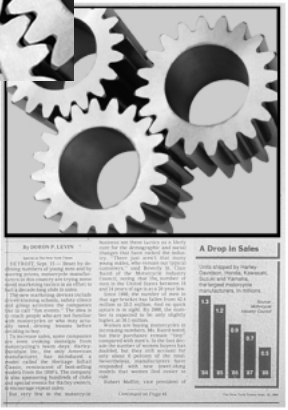
# PRINTING

**CHECK STACKING:**
MS 7000 lets you scan both front and back images and output them vertically on a single A4 or letter.

**SUPERIOR PRINT QUALITY:** Minolta's exclusive Fine Micro-Toning (Fine-MT) System uses precision laser technology to reproduce fine details other printers might miss. You can choose Text mode for legible text, Photo mode to make halftone images more vivid, Fine for maximum detail.

## MINOLTA GIVES YOU HIGH QUALITY LASER PRINTS QUICKLY AND RELIABLY

For high-quality prints, Minolta's MS 7000 is designed to team up with a superior Minolta laser printer that provides fast, convenient output. Because it works just like a standard PC printer, it's more reliable. Paper is easier to load. Toner is simple to replace with the all-in-one imaging unit. And your end-users can do it all themselves, without asking for staff personnel assistance.

The System Laser Printer outputs high-resolution prints at up to 20 pages per minute, with first print in as little as 13 seconds. That helps improve your office efficiency when microform prints are in demand. The System Laser Printer also provides fast warm-up time, 650-sheet maximum paper capacity, and Minolta's exclusive Fine Micro-Toning (Fine-MT) System for superior image detail.

Because office desktop space can be limited, Minolta designed the MS 7000 to use a modular stand-alone printer. And when cost or workspace is an issue, it allows two scanners to share a single printer. You can also choose a wide range of other options to meet changing demands as your business grows — more reasons to choose Minolta!

**EASIER MAINTENANCE:**
An all-in-one imaging unit and a short paperfeed path makes changing toner and clearing jams quick and easy.
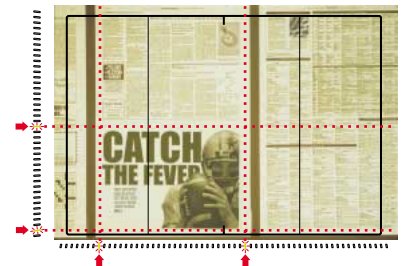
**SYSTEM LASER PRINTER:**
With output speed up to 20 pages per minute, your users can make prints faster. 600 dpi resolution gives you sharp, legible images. You can enlarge prints up to 200% to show more detail — and 2-to-1 sharing lets two MS 7000 scanners share a single printer for greater cost efficiency.

**HIGH PAPER CAPACITY:**
150-sheet paper tray and 250-sheet universal cassette give you standard 400-sheet capacity — and you can add optional 250-sheet universal for high-volume applications.

**MANUAL MASKING:**
Optional side-screen LED lights provide visual cues to allow the user to manually select printer or scan areas, as well as define the areas to be masked or cut.

**DIGITAL PRODUCTIVITY:**
Minolta technology lets you take full advantage of the digital era — with a versatile, flexible system that lets you use your microform information for a wide range of viewing, scanning, printing and distribution alternatives.

**PC**

**WEB**

**OPTICAL STORAGE**

**MAGNETIC STORAGE**

**System Laser Printer**

**A4 or letter**

**Legal**

**A3 or ledger**

## MINOLTA PROVIDES SYSTEM VERSATILITY TO MAKE YOU MORE PRODUCTIVE.

Sometimes you need a quick print. Sometimes you'd prefer scanning to your PC. Minolta's MS 7000 makes it easy to do both — and that can make your microform application more productive.

You've always got two output channels: a standard SCSI channel for PC scanning, and a high-speed video channel for laser printing. With your MS 7000 connected to both printer and PC, you can conveniently switch from scan to print output at the touch of a button.
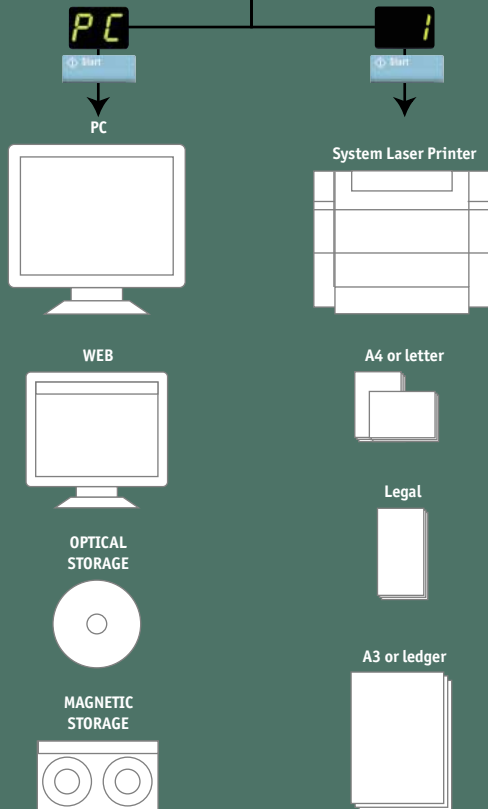
Need a new perspective on your information? You can choose from four types of interchangeable lenses with any magnification ratio you'll need, from single focus 7.5x lens, to zoom lenses that span 9 - 16x, 13 - 27x, or 20 - 50x zoom ratios — the same lenses used by Minolta MS 3000 microfilm scanner and MicroSP 3000, RP607Z reader - printers.

Whatever form your micrographics take, Minolta provides the carrier you need: a full selection of precision microform carriers for rolls and fiche, cards and jackets, any media requirements. Carriers are also interchangeable with Minolta MS 3000 microfilm scanner and MicroSP 3000, RP607Z reader - printers.

And to help you work faster and smarter, Minolta MARS Controllers enable your computer-aided retrieval software to automatically search, find and print your blipped microform images.
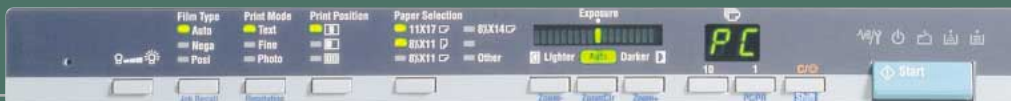
So for widescreen viewing, printing and scanning with speed, convenience, and total system versatility, the Minolta MS 7000 is your ideal microform solution.

**VERSATILE OUTPUT:**
You can output laser prints on a variety of paper: A4 or letter, legal even A3 or ledger to reproduce oversized originals or 2-page spreads from books and magazines. The MS 7000 can automatically scale all images to fit larger size output.

(The photo above shows operation panel for 120V areas only.)

# SCANNING

## MINOLTA LETS YOU SCAN TO PC
## FOR ELECTRONIC FILING AND ACCESS.

In the digital era, your microform information can go farther than ever — and the Minolta MS 7000 makes it easy to scan microform data to your PC. You can scan to PC for electronic filing and access. You can also use information in web sites, e-mail, faxes, and electronic distribution via the Internet.

With widescreen viewing, you can see more information at a glance — and you can view both front and back of pages or checks on the 303 x440mm (12" x 17") screen. Scanning is fast, too: an A4 or letter image at 400 dpi can be scanned in as little as 5 seconds!

The MS 7000 is designed to be simple and self-explanatory, even for first-time users. All important controls are at the operator's fingertips, including a Dual Output function that prints or scans images at the touch of a button.

And when you scan to PC, you don't have to move from scanner to PC keyboard — because front-panel "push" scanning lets you initiate scanning and make all scan adjustments right from the front panel of your MS 7000.
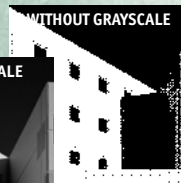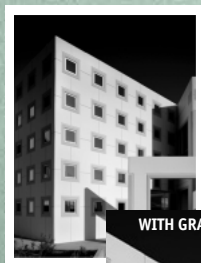
**PC CONNECTION:** To make scanning easy, a standard SCSI Interface with TWAIN software driver lets you use Windows 95/98, Windows NT 4.0/2000. A powerful SCSI-2 connection allows faster transfer rates through standard cables.

**CHECK STACKING:** When you're viewing checks on screen, the MS 7000 lets you scan both front and back images and output them vertically on a single A4 or letter page. You can also crop and deskew each image separately.

**GRAYSCALE SUPPORT:** If your business application demands high-quality photos or detailed graphics, the optional Grayscale Upgrade Kit lets you output 8-bit grayscale images to your PC. With it, your images will be more detailed when compared to black and white, plus it also allows low-contrast images to be captured as accurately as possible.

WITH GRAYSCALE

WITHOUT GRAYSCALE

## MS 7000 SCANNER SPECIFICATIONS

**TYPE:**
Desktop Universal Digital Microform Scanner

**TYPE OF FILM:**
Microfiche, jackets, aperture cards,
16mm & 35mm roll film,
16mm film cartridges

**SCREEN SIZE:**
303 x 440mm (12" x 17")

**MAGNIFICATIONS:**
7.5x, 9 – 16x, 13 – 27x, 20 – 50x

**FOCUS CONTROL:**
Manual
Auto (optional)

**IMAGE ROTATION:**
Prism rotation (auto; prism lens included)
Carrier rotation (fiche carrier)

**ZOOMING:**
Manual

**SCANNING SPEED:**
5 seconds per page (A4 or letter, portrait 400dpi)

**SCANNING DENSITY:**
200, 300, 400, 600, 800 dpi

**OPTICAL RESOLUTION:**
400 dpi

**ELECTRONIC ZOOMING:**
50% - 200%

**MULTIPLE PRINTING:**
1-99 prints (LED countdown identification)

**HARDWARE INTERFACE:**
Video (Direct Print)
SCSI-2 (PC)
(Switchable on front panel)

**EXPOSURE:**
Auto, Manual

**SCANNING FEATURES:**
Auto Centering
Auto Focus (optional)
Auto Frame Masking
Auto Image Rotation
Auto Skew Correction
Check Stacking
Date Stamp Annotation (optional, w/printer)
Footswitch Support (optional)
Front-Panel Scanning ("push" scanning)
Grayscale Support (optional)
Manual Masking (trimming & masking; optional)

**HALOGEN LAMP:**
20V, 150W

**POWER REQUIREMENTS:**
AC 220-240V, 50-60 Hz or AC 120V, 60 Hz

**POWER CONSUMPTION:**
350W

**DIMENSIONS:** (W x D x H)
560 x 760 x 853mm(22" x 30" x 33-1/2")

**WEIGHT:**
65kg (143 lbs. 4 oz.)

**OPTIONS:**
Grayscale Kit (8-bit output to PC)
Lenses (same as for MicroSP 3000,
    MS 3000, RP 607Z)
Fiche Carrier 5
Universal Carrier 2
Roll Film Carrier 9B
Roll Film Carrier 15 A/M
Roll Film Carrier 21
Auto Focus Kit
Manual Frame Masking Kit
MARS Controller 4
MARS Mini Controller 2
PC Interface kit (standard for areas having 120V)



**SYSTEM LASER PRINTER:**
20-ppm output speed,
650-sheet paper capacity,
first copy in just 13
seconds.

## SYSTEM LASER PRINTER SPECIFICATIONS

**PRINTER METHOD:**
Laser electrostatic

**DEVELOPING SYSTEM:**
Minolta Fine Micro-Toning (Fine-MT) System

**PRINT RESOLUTION:**
400 dpi/600 dpi

**FIRST PRINT SPEED:**
13 seconds (A4 or letter, crosswise 400dpi)

**PRINT SPEED:**
20 sheets per minute
 (A4 or letter, crosswise 400 dpi)

**PRINT SIZE:**
A4 or letter
Legal
A3 or ledger

**PAPER SUPPLY:**
150-sheet universal paper tray
250-sheet universal cassette
Third paper unit with 250-sheet
    universal cassette (optional)

**MAXIMUM PAPER CAPACITY:**
650 sheets

**WARM-UP TIME:**
Less than 70 seconds

**POWER REQUIREMENTS:**
AC 220-240V, 50-60 Hz or AC 120V, 60 Hz

**POWER CONSUMPTION:**
750 W

**DIMENSIONS:** (W x D x H)
561 x 521 x 409mm
(22" x 20-1/2" x 16")

**WEIGHT:**
28kg (61 lbs. 12 oz.)
(including imaging cartridge)