

## 18. Minolta PS7000 Scanner

### Overview

Minolta's PS7000 is a faster, easier way to scan large-sized books, archival records, artwork, ledgers, and other bound materials — because it copies them face-up.

The Minolta PS7000 is a superior system for scanning large-sized books, artwork, ledgers, and other bound materials. Its face-up scanning system means you don't have to turn volumes over in face-down position, so your materials require less handling and fragile bindings are protected.

With a scanning area of 17" x 23-2/8", the PS7000 lets you scan even oversized bound volumes with ease. You'll get fast scanning, at only 4-1/2 seconds per page for 8-1/2" x 11" originals — and clean, crisp images with up to 600-dpi resolution.

The PS7000 automatically compensates for curvature of pages and eliminates centerline shadows and outside borders. And you can output your scanned image direct to printer or PC, with a single button switching your output from direct-print to PC-connect mode.

### MSRP

The MSRP for the base unit is \$15,370.00. Lenses, carriers, options, and accessories are extra. Please contact your authorized Minolta dealer for additional information.

### Features

**Face-Up Copying:** Copying bound materials is quick and effortless — there's no need to turn the book over, so handling is kept to a minimum and fragile bindings are protected.

**Scan-Once/Copy-Many:** One scan can produce multiple copies, another advantage to minimize light exposure on rare or deteriorating books and documents.

**17" x 23-3/8" Printing:** Lets you scan oversized bound volumes, artwork, maps, ledgers, archival records, and other large documents.

**Clean, Crisp Images:** Up to 600-dpi resolution for 11" x 17" originals, 400 dpi for 17" x 23-3/8"

oversized pages — with Minolta's Micro-Toning System for legible text and clear, sharp halftones.

**Direct PC Interface:** Lets you scan bound volumes or artwork directly into your computer, making information available for electronic archives, desktop publishing, and database search.

**High-Quality Laser Printer:** A Minolta Digital Printer gives you up to 20 pages per minute at 11" x 17" size, with first-copy speed of about 13 seconds.

**Printer or PC Output:** A single button switches output from direct-print to PC-connect mode, so your system can accommodate different needs without complex adjustments.

**Book Curvature Correction:** The PS7000 automatically compensates for page curvature at the center spine when bound volumes don't lie flat.

**Automatic Masking:** The PS7000 can also automatically mask borders, erase shadows, and eliminate the images of fingers that may be holding pages open.

**Auto Focus/Exposure:** With auto focus and auto exposure, you can scan accurately without time-consuming manual adjustments — a real timesaver in busy environments.

**Simple Controls:** On-screen menus make scanning functions easy to operate, even for first-time users.

### Scanning Features:

Centering (prints scanned image in center of paper)

Finger Masking (erases the image of fingers holding pages flat)

Frame Masking (erases any frame surrounding the original)

Image Correction (compensates for curvature, text compression)

Shadow Erasure (erases shadow between pages)

Text/Photo Modes (accentuates and smoothes outlines)

## Specifications

Scanner Type: Face-Up Planetary with 7500 Pixel reduction-type CCD

Bit Depth: 1-bit Monochrome, 8-bit Grayscale (optional)

### Hardware Interface:

PC: Standard SCSI 2 output

Direct Print: Proprietary Video  
(Selectable via LCD panel)

### Software Interface:

TWAIN Driver for Windows NT 4.0

TWAIN Driver for Windows 95/98

ISIS Driver for Windows NT 4.0 (1-bit only)

ISIS Driver for Windows 95/98 (1-bit only)

Optical Scan Resolution:

600 dpi at 11" x 17" or less

400 dpi for sizes over 11" x 17"

Selectable Scan Resolutions:

200 dpi

300 dpi

400 dpi

600 dpi (11" x 17" or less)

Maximum Publication Focal Height: 4" (102mm)

Maximum Scan Area: 17" x 23.38"

SELECTABLE SCAN SIZES: Letter, Ledger, Legal, Invoice, 17" x 23.38", all equivalent

European sizes

Scan Modes:

### Single:

Scan centered area defined by scan size

### Split:

Scan two images (left, right) as defined by scan area. (11" x 17" maximum area each)

Mechanical Scan Speed: Within 4.5 seconds (8-1/2" x 11", 400 dpi)

Projection Lamp: Long cylindrical halogen (DC150V, 620W) 5000 Lux

Dimensions (WxDxH): 28-3/4" x 29-5/8" x 38-3/8", (730 x 745 x 975mm)

Weight: 140 lbs. (64kg)

Power Requirements: AC 120V, 60Hz

Power Consumption: Within 1000W

### Printer (optional):

Printing Method: Laser Electrostatic

First Print Speed: 13 seconds (8-1/2" x 11", crosswise, book mode)

Print Size: 11" x 17" (ledger, portrait), 8-1/2" x 11" (letter, portrait/landscape), 8-1/2" x 14" (legal, portrait)

Paper Supply: 150-sheet tray; 250-sheet cassette

Developing System: Minolta Micro-Toning System

Warm-Up Time: Less than 70 seconds

Power Supply: 120 V, 60 Hz

Power Consumption: 750 W

Dimensions (W x H x D): 22" x 16" x 20-1/2" (545mm x 403mm x 521mm)

Weight: 61-3/4 lbs. (28 kg)

Design & specifications are subject to change without notice.

### Optional Accessories

Angle Book Holder: Book cradle is adjustable to reduce stress on thick or fragile bindings.

PC Interface Kit: Lets you scan originals for desktop publishing, graphic presentations, website, email, or fax/modem transmission.

Foot Pedal: For long work sessions, a foot pedal makes operation easier.

Grayscale Upgrade

Optional MSP3000 printer for direct print

### Applications

With its unique ability to scan oversized originals and large bound volumes up to 17" by 23-3/8", the Minolta PS7000 Digital Publication Scanner serves high-quality applications for inter-library loan centers, archival collections, and other institutions. Because it scans in face-up position, fragile bindings are

protected — and your originals require less handling.

The PS7000 is also ideal for a broad range of special scanning and copying needs: pharmaceutical lab books, country records and ledgers, and archival prints, maps and graphics. Historical societies and legal libraries will benefit from the high-quality scanning and reproduction capabilities of the PS7000. With fast speed, simple operation and will provide superior performance in applications such as county recorder's offices, art libraries, and service bureaus.

Minolta is the premiere manufacturer of low-cost, planetary, face-up book scanning products. The PS7000 lets you create very high quality digitized images from your entire collection of bound materials. It also comes with a high-quality Minolta laser printer that lets you reproduce two-page spreads on a single 11" x 17" page, so you can copy bound originals faster and maintain the integrity of 2-page graphics, ledgers, spreadsheets, diagrams and illustrations.

For schools, libraries and public-access records centers, the space-saving footprint and simple operational controls of the PS7000 makes scanning and copying more productive.

## FAQs

### 1. What Software does the PS7000 work with?

The PS7000 offers the widest range of scanning support with 32-bit drivers for both the TWAIN and ISIS scanning standards. This means you can use any scanning software application that supports either of these interfaces.

### 2. When I scan my items on the PS7000 can I search the image for specific words?

A popular misconception is that a scanned image can be stored and utilized as a textsearchable file. In order to create a file with textual data, a digitized, bit-mapped image must first be passed through an optical character recognition (OCR) process to recreate the actual textual data on the scanned page.

### 3. What type of file format does the PS7000 store images as?

The type of file format and/or compression used will be dependent on the software application used to scan with the PS7000. For example, if using Adobe's Acrobat, the stored file will be in a PDF format. If using Photoshop, the file can be stored in a range of formats including JPEG, TIFF, and GIF.

### 4. Is there a color version of the PS7000?

No. For now and the near future we will only be offering the 8-bit grayscale upgrade for the PS7000. Due to current technology limitations we are unable to bring a cost-effective face-up color scanner to market. We will continue to evaluate this possibility and hope to introduce such a product one day in the future.

### 5. Where can I purchase a PS7000?

All Minolta Corporation products are sold through a dealer channel. For the Minolta Dealer nearest you please refer to our website's Dealer Locator.

**Courtesy/Source :**

<http://www.nmsmicrographics.com/products/ps7000.asp>