More speed, more options, more visual display, all with the ALOS Z-Scan 47.

Digital technology makes microform data more powerful than ever. ALOS makes microform access and distribution quick and simple – with widescreen viewing, high-resolution image quality, flexible PC connectivity, and versatile printing options for superior results in every application. The ALOS Z-Scan 47 offers a wide range of automatic features and options for added flexibility and convenience.
VERSATILITY

The ALOS Z-Scan 47 gives you wide screen high-resolution 12”x17” viewing to display more visual information. It lets you quickly access the data, drawings, graphics and microfilm archive information you need. You can electronically enhance images, zoom in on areas to magnify fine details, and utilize a wide range of auto imaging convenience features. Then scan to the PC for electronic distribution as e-mail attachments, on websites, or for use in desktop publishing. Print on the high quality MSP3000 laser printer, at full 20 ppm and up to 11”x17” prints.

Read on screen. Print on paper. Scan to PC. The digital era gives you new opportunities for making microform information more powerful, versatile and cost-effective.

A wide range of options and accessories are available, so you can handle any microfilm or microfiche image. And with the modular designed scanner and printer, you can set up your system to suit your work environment – even have two scanners share a single MSP3000 printer.

With the Z-Scan 47 quality optics and sturdy construction, we’ve raised our own high-standard for high-resolution scanning, fast high-quality printing, ease of operation, and long-term reliability.

MORE SPEED, MORE OPTIONS, MORE VISUAL DISPLAY.

Digital technology makes microform data more powerful than ever. ALOS makes microform access and distribution quick and simple – with widescreen viewing, high-resolution image quality, flexible PC connectivity, and printing options for superior results in every application.

12”X17” SCREEN AND DUAL OUTPUT

Let’s you view more detailed information with higher productivity and lets you select the output format with ease. With dual output, you can switch from PC scanning to laser printing at the touch of a button. With “push” scanning, you can initiate scan functions and adjust scanning parameters right on the front panel of your scanner – no need to move from scanner to PC.

To make scanning easy, a standard USB 2.0 Interface with TWAIN driver lets you use Windows 2000, XP or Vista.

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 websites, e-mails, faxes and desktop publishing.

Professionals in finance and business applications, architecture and manufacturing, education, government and libraries already count on ALOS microform scanners for quality, versatility and performance.

HIGH QUALITY OPTICS

You choose from four types of interchangeable lenses, from a single focus 7.5x lens, or zoom lenses that span 9-16x, 13-27x or 20-50x zoom ratios.

APERTURE CARD AUTO SCANNING

The ACF 7 Aperture Card Feeder option lets you feed aperture cards automatically at adjustable viewing or scanning speed – 150-card capacity, variable speed adjustment, single/manual feed operation, and fast batch scanning with the Twain driver.

MSP3000 DIGITAL PRINTER

Superior image quality, fast output at up to 20 ppm with first-copy output in just 13 seconds. The paper capacity can be up to 1,150 sheets with optional cassettes.

Superior print quality: The Fine Micro Toner (Fine-MT) System uses precision laser technology to reproduce fine details other printers might miss.

Toner is simple to replace with all-in-one imaging unit. And your end users can do it themselves without asking for staff assistance.

When cost or workspace is an issue the 2-1 sharing lets you share two Z-Scan 47 scanners with a single MSP3000 printer.
**FEATURE RICH AND EASY TO USE**

The Z-Scan 47 is designed to be simple and self-explanatory. All important controls are at your fingertips and clearly labeled – including a Dual Output function that prints or scans images at the touch of a button. And when you scan to the 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 Z-Scan 47.

### STANDARD FEATURES

#### Auto Exposure

The Z-Scan 47 determines the exposure setting automatically for the highest quality scan. Manual exposure override is available.

#### Auto Frame Masking

The system masks the black bands that run along the edges of the image.

#### Auto Centering

The system generates an image that is centered on the printed page, from an image on the screen with a masked frame.

#### Auto Skew Correction

The machine automatically corrects any skew of up to 30 degrees when the image is printed.

#### Fit to Print

Fits the image on the screen onto the entire surface of the print (50% to 200%).

#### Versatile Interface

Standard USB 2.0 connector and Twain Driver for PC and high-speed video connector for direct printing.

#### Auto Film Polarity Detection

When selected a true Bi-Mode sensing allows the Z-Scan 47 to automatically determine the film type so you get a positive printout whether you are using negative or positive film.

#### Auto Image Rotation

Rotates the image electronically or with a motorized optical prism to the print orientation desired.

#### Check Stacking

When you are viewing checks on screen, you can scan both front and back, crop and deskew each image independently, and output both automatically on a single 8-1/2” x 11” page.

### OPTIONAL FEATURES

#### Auto Focus

With the optional Auto-Focusing Kit you can add increased versatility and performance.

#### Manual Masking and Trimming

The optional Manual Frame Masking/Trimming Kit provides side-screen LED lights for visual cues to manually select print or scan areas, as well as define the areas to be masked or trimmed.

#### Masking

The system marks the center of the image appearing on the screen with the Manual Frame Masking Panel function.

#### Trimming

The system masks everything but the center of the image.

#### Grayscale Support

If your application demands high-graphics reproduction, the optional Grayscale Upgrade Kit lets you output 8-bit, 256-gradation grayscale images to your PC capturing fine details more accurately.
**SPECIFICATIONS**

**Z-SCAN 47 MICROFORM SCANNER**

**Type:** Desktop Universal Digital Microform Scanner  
**Type of Film:** Microfiche, jackets, aperture cards, 16mm and 35mm roll film, 16mm film cartridges  
**Screen Size:** 12” x 17” (300 x 440 mm)  
**Magnifications:** 7.5x, 9-16x, 13-27x, 20-50x  
**Focus Control:** Manual, Auto (optional)  
**Image Rotation:** Prism rotation (standard Auto Image Rotation; prism included)  
**Carrier rotation (fiche carrier)**  
**Zooming:** Manual  
**Scanning Method:** CIS (Contact Image Sensor)  
**Scanning Speed:** 5 seconds per page at 400 DPI  
4 seconds per page continuous scan, 400 dpi  
**Scanning Density:** 200, 300, 400, 600 dpi  
800 dpi (check scanning)  
PC mode  
**Optical Resolution:** 600 dpi  
**Electronic Zooming:** 50% - 200%, print to fit paper (direct print)  
**Multiple Printing:** 1-99 prints  
(LEO countdown identification)  
**with MSP3000 printer**  
**Hardware Interface:** Video (direct print) to MSP3000 printer  
**USB 2.0 (to PC) - standard**  
(Switchable on front panel)  
**Exposure:** Auto, Manual  
**Scanning Features:**  
- Auto Centering  
- Auto Frame Masking  
- Auto Image Rotation  
- Auto Skew Correction  
- Check Stacking  
- Front-Panel Scanning  
("push" scanning)  
**Optional:**  
- Auto Focus  
- Manual masking (trimming and masking)  
- Footswitch Support  
- Date Stamp Annotation  
(with printer)  
- Grayscale support  
**Halogen Lamp:** 20V, 150W  
**Power Requirements:** AC 120V, 60Hz  
**Power Consumption:** 350W  
**Dimensions (WxDxH):** 560 x 760 x 853 mm  
**Weight:** 65kg  
**Other Options:**  
- Lenses (see Magnifications)  
- Manual Frame Masking Kit  
- Auto Focus Kit  
- Grayscale Kit (256 levels, 8-bit Output to PC)  
- Mars Controller 4  
- Mars Mini Controller 2  
- Workstations  
- Footswitch  
**Printer:**  
- MSP3000 Digital Laser Printer and Cable (Direct)  

**MSP3000 PRINTER**

**Type:** Aperture Card Feeder  
**Card Holder Capacity:** Up to 150 cards  
**Card Feed Modes:** Single-feed/Eject  
Multi-feed and Print/Scan  
Manual feed  
**Card Feed Time:** 2 seconds or less  
**Card Feed Interval:** 0.5 to 5 seconds  
(variable, user-selectable)  
**Screen Position Adjustment:**  
Vertical: ± 2mm  
Horizontal: ± 2mm  
**Screen Orientation Adjustment:**  
Slant: ± 0.8°  
**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  
**Print Speed:** 20 sheets per minute  
(8.5” x 11” or A4, 400 dpi)  
**Maximum Paper Capacity:** 1,150 sheets  
**Warm-up Time:** Less than 70 seconds  
**Power Requirements:** AC 120V, 60Hz  
**Power Consumption:** 750W  
**Dimensions (WxDxH):** 22” x 20-1/2” x 16” (560 x 521 x 409 mm)  
**Weight:** 61 lbs 12 oz (28kg), (including imaging cartridge)  

**ACF 7 CARD FEEDER**

**Type:** Aperture Card Feeder  
**Card Holder Capacity:** Up to 150 cards  
**Card Feed Modes:** Single-feed/Eject  
Multi-feed and Print/Scan  
Manual feed  
**Card Feed Time:** 2 seconds or less  
**Card Feed Interval:** 0.5 to 5 seconds  
(variable, user-selectable)  
**Screen Position Adjustment:**  
Vertical: ± 2mm  
Horizontal: ± 2mm  
Slant: ± 0.8°  
**Dimensions:** 34.4” x 14.1” x 7.1” (WxDxH)  
(875 x 358 x 180 mm)  
**Weight:** 26 lbs (11.5kg)  
**Power Requirements:** DC 24V  
(supplied from Z-Scan 47)  
**Power Consumption:** 72W or less  

**Supplied Accessories:**  
- Manual Feed Table  
- Exit Tray  
- Interface Board  

ALOS Micrographics Corporation, 118 Bracken Road, Montgomery, NY 12549  
Tel: 845-457-4400 Toll Free: 800-431-7105 Fax: 845-457-9083 Web: www.alosusa.com E-mail: micrographics@alosusa.com  
Designs and specifications are subject to change without notice