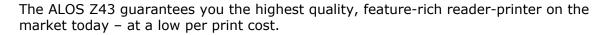# Z43 Reader-Printer

The desktop ALOS Z43 Reader-Printer is compact, highly functional, easy to use and provides a new level of convenience and economy.

ALOS' Z43 is one of the most powerful reader-printers in its class. A number of advanced features are incorporated into the Z43, yet it boasts sleek design and compact size.

The Z43's many additional automatic features make microfilm use easier than ever. Its single imaging cartridge with bi-mode capability eliminates the need to change cartridges for bi-mode printing. Now positive prints can be obtained from both positive and negative films without the need to physically change the imaging cartridge.

The ALOS Z43 guarantees you the highest quality, feature-rich reader-printer on the market today – at a low per print cost.

Simplified operation through a host of automatic features

Automatic Exposure Control with Micro-Toning
You can expect consistent high-quality prints, from every type of film, and even films of varying density, thanks to the exclusive electronic automatic exposure control system. Adding to that, the micro-toning system ensures high-contrast prints. For handling images with special requirements, a manual exposure control will enable you to specify light and dark settings.

True Bi-Mode Printing with Automatic Mode Sensor (optional)
The Z43 has a true bi-mode printing unit to eliminate the need for changing toner cartridges or even film type settings manually. The sensor allows the Z43 to automatically determine the film type so you get a positive printout whether you are using negative or positive film. The Z43 ensures accurate photo interpretation every time.

Masking (optional)
The Z43 offers both automatic frame masking and manual image masking. Manual image masking gives you the ability to mask unnecessary information by simply depressing LED buttons to mark that area. This ensures that you get only the information you need. Automatic frame masking eliminates the heavy black borders that make prints look sloppy and waste valuable toner.

Automatic Skew Correction (optional)
Automatic skew correction adjusts up to 30° for images that were slanted during the filming process. Use it and you won't have to make minor adjustments for each misaligned frame; the Z43 will do it for you.

Automatic Centering (optional)
The automatic centering feature repositions off-centered screen images prior to printing (maximum vertical and horizontal deviation of 4/5" (20mm). It's especially

effective for consecutive printing with automatic frame retrieval of multiple images.

Automatic Image Rotation (optional)
The optical automatic image rotation senses images from either portrait or landscape orientation and automatically rotates them for printing.

Productivity Plus Package
This optional kit offers the following in one complete set: auto skew corrections, auto masking, auto centering and auto image rotation.

Centralized Front Panel Operation
All vital controls are centralized on the Z43's front panel for easy operation. The panel displays easy-to-follow operating instructions, making the Z43 exceptionally user friendly. What's more, with its easy-to-reach paper-supply cassette, the Z43 dispenses prints from the front, allowing you to complete work without having to leave your seat.

Fast Output
The Z43 prints up to 10 pages per minute, with the first print in 10 seconds – ideal for busy libraries, schools, public-access archives, and local government offices.

Environmentally sound
The Z43 is constructed with recyclable parts, and uses non-toxic, organic photoconductive drums, a sounder choice for the environment. These photo-conductors enable copying on recycled paper, and reduce the noise level in the usage environment.

The Z43 accommodates all types of microforms with a wide variety of carriers for all your application needs. Whatever your preference: smooth and steady film transport is guaranteed – even in slow motion.

Specifications for the Z43*

Type:
Desktop complete universal microfilm reader-printer

Printing System:
Plain paper dry copying

Developing System:
Micro-toning system

Exposure Control:
Automatic and manual

Type of Film:
Microfiche, jackets, aperture cards, 16mm and 35mm rollfilm,16mm rollfilm cartridges

Screen:
11 3/4" x 11 3/4"

(300mm x 300mm)

Magnification:
7.5x, 9x~16x, 13x~27x, 23x~50x

Image Rotation:
Prism rotation

Print Size:
Letter Size (8 1/2" x 11"), A4 (210 x 297mm)

Print Speed:
10 sheets per minute (8 1/2"x 11" and A4)

First Print Speed:
10 seconds (8 1/2"x 11"and A4)

Warm-up Time:
Less than 40 seconds

Multiple Print;
1 ~ 20 sheets (LED countdown indication)

Paper Supply:
Automatic feeding from paper cassette (150 sheets max.)

Power Consumption:
Less than 1.5kW

Safety Approval:
UL Listed

Dimensions:
19 3/4"w x 32 1/4"d x 28 1/4"h
(503mm x 821mm x 716mm)

Weight:
104 lbs. (47kg)

Options:
Lenses
Bi-mode unit
Auto Masking/Auto Centering unit (AM/AC)
Auto Image Rotation unit (AIR)
Auto Image Skew Correction unit (ASC)
Productivity Plus Package includes: (AM/AC), (AIR), (ASC)
Manual Masking Upgrade unit
Rollfilm Carriers: RC53, RC53M, RC9B, RC15A, RC15M, RC21
Universal Carriers: UC59, UC59M, UC50, UC2
Fiche Carrier: FC9
Controllers: MARS Mini 2, MARS 4