

SMA

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SMA 105

SMA 105 - The Last Man Standing

Archive Writer Technology Protects the Digital World

Long-Term Storage on Microfilm

Save your essential data which is subject to long-term preservation requirements with minimum effort and very cost effective on the proven media microfilm.

If your preferred media for long-term preservation is microfiche this one is for you. The SMA 105 is the only microfiche Archive Writer in the market. With its on-board processor it is a turnkey solution. It produces an analog backup of your digital business documents on microfiche. There is no more need for migration of your electronic archive, as microfilm is totally software and hardware independent.

Microfilm, produced properly and kept under the right conditions, has a life expectancy of 500 years. In addition it is tamper proof and cannot be manipulated by viruses and hackers.

Versatile

The SMA 105 Archive Writer can handle the most common image files such as TIFF, JPEG and PDF on the fly, no matter if they come in bitonal, greyscale or color. The converting process is quick, reliable and provides excellent image quality. The original document size typically varies from as small as a postcard to A3. But it is also possible to archive larger originals. After the files are transferred to the system it will work unattended.

The system includes a PC workstation and operating software which manages the downloaded files. Communication with the PC takes place via standard interface. The SMA 105 is also equipped with an on-board processor. After a microfiche is fully exposed it is being transferred to the processor automatically. It is also possible to interrupt or finalized filming jobs at any point in time and send the microfiche to the processor.

High Productivity

SMA Archive Writers are the fastest in the world. In duplex mode it is possible to write up to 7200 images per hour to microfilm. In simplex mode up to 3600 images per hour can be processed. For smaller originals - such as library cards, cheques etc. - an optional available nesting tool can pre-arrange the images which results in a much higher frame per hour conversion rate.

Custom Made Consumable Kit

There is a film & chemistry set available for the SMA 105. It contains a film cartridge of 60 m x 105 mm and four sets of chemicals (developer, fixer, 1st rinse and 2nd rinse). This kit can produce 400 microfiche.

Protecting Your Digital Data Has Never Been Easier

The software that operates the SMA 105 archive writer is extremely user friendly. Simply choose any folder from your PC or network and add it to the filming menu. A special image monitoring tool makes certain that every image was opened and properly filmed. In the case of a corrupt image, the system will inform you immediately. When the microfiche is finished it will automatically be transferred to the on-board processor.

Sample Features

Fade in of start target, end target, index target and others ◀

Negative and positive output due to reverse polarity option ◀

Adjustable shutter speed ◀

Adjustable exposure control ◀

Re-exposure of past jobs ◀

Reading order of the images by original order, name or date ◀

Conversion of TIFF, JPEG, PDF and many other formats ◀

Single page and multi page conversion ◀

Landscape and portrait orientation of images possible ◀

Creation of unlimited amounts of templates ◀

Possible to interrupt and continue rolls ◀

Login protected system check for maintenance ◀

Media Output	105 x 148 mm microfiche
Film Type	105 mm x 60 m film cartridge, sufficient for 400 microfiche
Optical System	High precision German made lens and high resolution display
Resolution	8.3 MP (nativ)
Maximum Document Size	Up to A2 recommended, larges sizes are possible
Filming Speed	Up to one image per second
Type of Conversion	Bitonal, grey scale and color
Image Orientation	Portrait and landscape, depending on grid
Directly Convertable File Formats	TIFF, JPEG, PDF and many others, single und multi page files
Meta Data	Consecutive numbers, image file names, blips and other index data
Location of Meta Data On Film	Next to image or below image
Ambient Conditions	+5 to + 40°C Relative humidity 20 to 80% (non-condensed)
Noise Level	Office compatible (<50dB)
Delivery Includes	Archive Writer 25x lens Two grids (A4 portrait = 7x14 and A4 landscape = 9x10) On-board processor PC workstation Application software
Options	Additional lenses Additional grids Software tool for nesting images Software tool for balancing and enhancing the image quality
Dimensions & Weight	Width: 200 cm Depth: 62 cm Height: 120 cm Weight: 150 kg (without PC and monitor)



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