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THE Scanning solution for production conversion of microfiche, aperture cards and roll film

The FlexScan scanning solution provides a complete package of hardware, software, training and support to give you the best solution for the conversion of your microfiche to the highest quality digital images possible.

The FlexScan scanning solution includes:

- Scanner
- PC
- High Resolution Lens with LuminTec™ Lighting Technology
- NextStar PLUS Workflow Software Platform
- Optional Digital Storage Server (RSD)

The system can handle all of the unique properties of microfiche, rollfilm and aperture card scanning including:

- Scanning of COM microfiche
- Title bar information
- Variable size documents and image positions
- Multiple fiche file formats
- Variable indexing to digital files
- Captures up to 3 levels of blips
- Enhancement of signatures and handwritten data on filmed images

Unique scanner features:

- FlexScan 400 can scan 2 fiche per minute, 120 per hour
- FlexScan 600 can scan 3 fiche per minute, 180 per hour
- FlexScan 400 can scan 16mm roll film at 400ppm
- FlexScan 600 can scan 16mm roll film at 600ppm
- Scan aperture cards and oversized fiche, including ultra and mini fiche sizes
- Patented film transport eliminates image distortion

Optional AutoLoader

- Quick, silent, and accurate
- Customizable for all fiche formats
- Holds up to 200 microfiche, 150 jackets or 100 aperture cards

Specifications:

SCANNER SPEED:

FlexScan 200 - 12:47 minutes per roll at 200 x 200 dpi (actual scanning resolution) / 24x
40 seconds for jacketed 5 row fiche
24 seconds per aperture card

FlexScan 400 - 6:39 minutes per roll at 200 x 200 dpi (actual scanning resolution) / 24x
20 Seconds for jacketed 5 row fiche
12 seconds per aperture card

**Higher speeds available under rental, lease or contract*

Optional – NextStar HD

- Includes all the features of NextStar software, and additionally can provide up to 12 bit output images for specialized applications, enabling even higher OCR accuracy or archival storage

RIBBON STORAGE DEVICE (RSD):

Preconfigured 8TB Ribbon Storage Device for simultaneous output and capture

- Maximizes throughput speed and productivity
- 16, 24 or 36 TB option available (rack or tower option)

OS and HARDWARE:

- Windows 7, 64 bit OS
- Computing Platform capability suitable for 100% throughput of the scanner

REDUCTION RATIO:

The flexScan can scan at any reduction ratio captured on film. Reduction Ratio is not a function of the scanner but is a function of the original Camera creating the film.

RESOLUTION:

Native optical resolution without scaling the image:
Scanner Resolution on Film: up to 15500 DPI (optional 24200)
At 24X Reduction Ratio: up to 640 DPI (optional 1000)
At 48X Reduction Ratio: up to 320 DPI (optional 500)

OPTICS / CAMERA:

- Patented LuminTec stroboscopic illumination system
- Auto Focus
- 12 bit per pixel CCD array
- True gamma correction, flat field & pixel defect correction
- High quality defraction limited lens
- 8192 pixel CCD / optional 12288 pixel CCD

DOCUMENT SIZES:

To E-size drawings at 200 DPI (optional 300 DPI) and oversize documents like oil well logs and EKGs (image must fit in memory and file format)
• Easy to clean and remove glass

FILM and FICHE SIZES:

16 and 35 mm film (70mm available by special request)
Standard, Jumbo Fiche, Mini Jackets, Aperture Cards

ROLLFILM FORMATS and POLARITIES:

Simplex, Duplex, Duo, Blipped / Unblipped, COM and Mixed formats (and others) Positive, Negative, Mixed

FICHE and APERTURE CARD FORMATS

Step and Repeat Fiche, Film Jackets, AB Dick, Microx, COM and Aperture Cards

FILM ORIENTATION:

Comic, Cine, mixed

FILM and FICHE TYPES:

Vesicular, Blue and Black Diazo, Silver, Duplex, Duo, COM, Blipped/Unblipped and Mixed formats

FILE FORMATS:

TIFF bitonal G3/G4, TIFF uncompressed, Multi-page TIFF, JPEG, CALS, PDF/A, Multi-page PDF, JPEG 2000 (others available on request)

PHYSICAL CHARACTERISTICS:

Base:.....Height – 30”, Width – 31”, Depth – 21”, Weight – 90 lbs
Film module:.....Height – 10”, Width – 23”, Depth – 13”, Weight – 24 lbs.
Fiche module:.....Height – 9”, Width – 29”, Depth – 18”, Weight – 29 lbs.
Power Consumption: ...Input voltage 110-240V auto switching
Power consumption at 110V
Flexscan 1.7 - 2.3A

OPTIONAL:

1000' reel Adapter for film, 3M Cartridge adapter for film and a 12288 pixel camera Fiche/Aperture Card Autoloader:

- Up to 200 microfiche
- Up to 150 film jackets
- Up to 100 aperture cards (depending on film thickness and card damage)