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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 (optional)
- 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)

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