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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 Ribbon Storage Device (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 16mm roll film at 400ppm
- FlexScan 600 can scan 16mm roll film at 600ppm
- FlexScan 800 can scan 16mm roll film at 800ppm  
(16mm/95ft. roll film at 200 DPI and 25x reduction ratio)
- FlexScan 400 can scan 15 row COM fiche in 70 seconds (51 per hour)
- FlexScan 600 can scan 15 row COM fiche in 56 seconds (64 per hour)
- FlexScan 800 can scan 15 row COM fiche in 47 seconds (77 per hour)  
(COM fiche at 200 DPI and 42x reduction ratio)
- Scan aperture cards and oversized fiche, including ultra and mini fiche sizes

### 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 400** - 6:39 minutes per 16mm/95 ft. roll  
17 seconds for jacketed 5 row fiche  
(200 DPI actual scanning resolution/ 25x reduction ratio)  
4 seconds per aperture card (200-300 DPI/ 7-25x reduction ratio)  
\*License not upgradeable to FlexScan 600/800

**FlexScan 600** - 4:54 minutes per 16mm/95 ft. roll  
14 seconds for jacketed 5 row fiche  
(200 DPI actual scanning resolution/ 25x reduction ratio)  
4 seconds per aperture card (200-300 DPI/ 7-25x reduction ratio)

**FlexScan 800** - 3:40 minutes per 16mm/95 ft. roll  
13 seconds for jacketed 5 row fiche  
(200 DPI actual scanning resolution/ 25x reduction ratio)  
4 seconds per aperture card (200-300 DPI/ 7-25x reduction ratio)

\* Higher speeds available under rental, lease or contract

\* Scanning speeds presented are estimates only. Exact scanning results are dependent on client's conversion parameters, the condition of the microforms, and network capabilities.

\* Scanning speed estimates reflect preconfigured 8k line scan camera and raw scan times, not including load time.

### 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 with 8TB RSD for simultaneous output and capture

- Maximizes throughput speed and productivity
- 16, 36, or 48 TB option available (rack or tower option)

### OS and HARDWARE:

- Windows 10, 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

At 24X Reduction Ratio: up to 640 DPI

At 48X Reduction Ratio: up to 320 DPI

\*Higher Resolutions Available with Optional 16k Camera

### OPTICS / CAMERA:

- Proprietary LuminTec stroboscopic illumination system
- Preconfigured 8 k /Optional 16k CMOS Line Scan Camera
- 8 or 12 bit output
- True gamma correction, flat field & pixel defect correction
- High quality defraction limited lens
- 8,192 pixel CCD / optional 16,384 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 16,384 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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