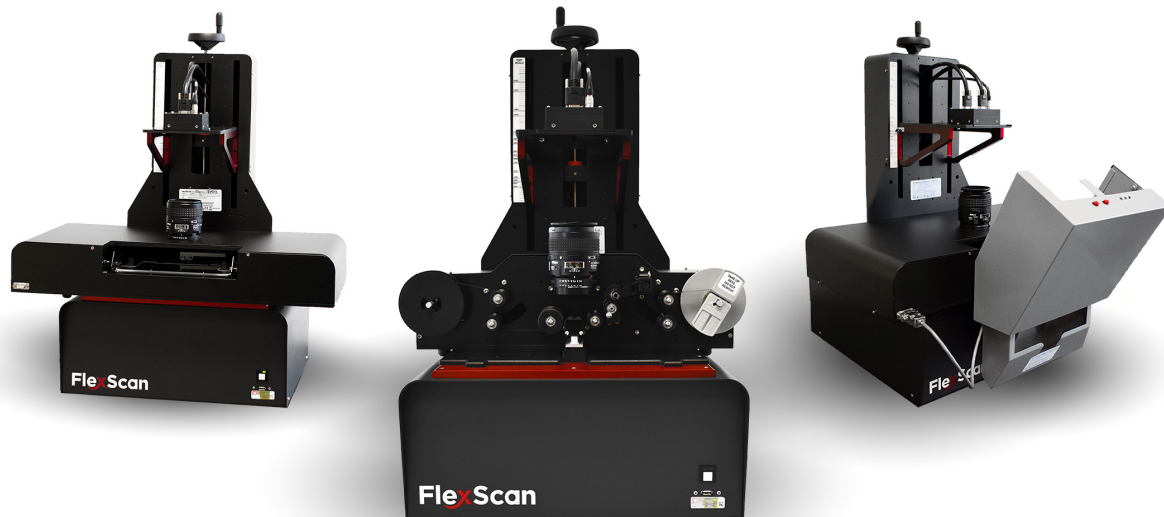# nextScan

FlexScan® Multi-Format Production Scanner
Convert With Confidence.

Flexible Media Scanning: Film, Fiche, Aperture Cards

Unparalleled Scanning Capabilities. FlexScan® is the most advanced and versatile production scanner on the market, delivering high-performance conversion for collections containing mixed micrographic media formats. Those include: microfilm, microfiche, and aperture cards.

100% Reliable High-Speed Image Capture.

Confident Image Capture. Produce high-resolution scans at up to 800 images per minute with our unique line scanning capture technology. Media is scanned top-to-bottom, end-to-end, producing a true archival digital reproduction, ensuring the capture of all data.

Pristine High-Resolution Images.

Confident Image Quality. FlexScan® creates superior digital images from even the most challenging source film. Proprietary lighting, LUMINTEC™ technology, nearly doubles native image resolution while high-precision optics capture raw detailed images, expanding the ability to see fine details documented from the original record.

Workflow Designed for Ultimate Productivity.

Confident Project Managment. Streamline your work and triple producitvity with NextStarPlus® Software, designed to optimize workflow and minimize operator setup and QA. Unique NextStarPLUS® features allow for the simultaneous capture, index, audit, and output enabling optimal film processing performance. Operators can audit and index one roll of film, while scanning the next.

Confident Benefits

- Versatile Scanning Capabilities: Microfilm, Microfiche, Aperture Cards
- Reliable High-Speed Image Capture
- Archival-Grade Image Processing
- High-Resolution Digital Images
- Gentle on Delicate Film
- Fully Configurable Project Workflow for Faster Productivity
- Best-in-Industry Warranty

Don't leave the fate of your archives to chance. Your microforms contain priceless records that cannot be found anywhere else. These records deserve the best — a powerful, high-performance system with advanced optics and precision line scan capture technology.

FlexScan® Convert With Confidence.

Optional Autoloader

Add on the autoloader for unattended scanning. Customizable for all fiche formats. Holds up to 200 microfiche sheets, 150 microfilm jackets, or 100 aperture cards.

Contact us today to arrange a personalized demo.

208.514.4000
sales@nextscan.com

The FlexScan® Scanning Solution Includes:

- Scanner and Internal PC
- High Resolution Lens with LuminTec™ Lighting Technology
- NextStar PLUS Workflow Software Platform
- Optional Ribbon Storage Device (RSD) - Stores RAW Uncompressed Images Until Ready for Output

The System can Handle Unique Properties of Film, Fiche, and Aperture Card Scanning:

- Title Bar Information
- Variable Size Documents and Image Positions
- Variable Indexing to Digital Files
- Captures up to 3 Levels of Blips
- Enhancement of Signatures and Handwritten Data on Filmed Images
- Scan Aperture Cards and Oversized Fiche, Including Ultra and Mini Fiche Sizes

Scannable Media Types

Document Sizes	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)
Film Sizes, Formats, Polarities	16 and 35 mm Film (Optional 70 mm) Simplex, Duplex, Duo, Blipped/Unblipped, COM and Mixed formats Positive, Negative, Mixed
Fiche Sizes, Formats, Polarities	Standard, Jumbo Fiche, Mini Jackets Jackets, Aperture Cards Step & Repeat, Film Jackets, AB Dick, Microx, COM, Aperture Cards Positive, Negative, Mixed
Film & Fiche Types	Vesicular, Blue and Black Diazo, Silver, Duplex, Duo, COM, Blipped/Unblipped and Mixed formats
Film Orientation	Comic, Cine, Mixed

Output File Formats

TIFF Bitonal G3/G4, TIFF Uncompressed, Multi-page TIFF, JPEG, CALS, PDF/A, Multi-page PDF, JPEG 2000, JPEG XR, Optional Optical Character Recognition (OCR) (Others Available Upon Request)

Scanning Throughput Speeds

Benchmarks based on 200 dpi Scan Resolution, at 24x Reduction Ratio.
Higher scan speeds available under rental, lease, or contract.

FlexScan 800 PPM

Rollfilm	3:40 Minutes Per Roll (16mm/95 ft. Roll)
Fiche	13 Seconds Per Fiche (Jacketed 5 Row Fiche) 47 Seconds Per 15 Row COM Fiche (77 per hour)
Aperture	4 Seconds Per Aperture Card

FlexScan 600 PPM

Rollfilm	4:54 Minutes Per Roll (16mm/95 ft. Roll)
Fiche	14 Seconds Per Fiche (Jacketed 5 Row Fiche) 56 Seconds Per 15 Row COM Fiche (64 per hour)
Aperture	4 Seconds Per Aperture Card

FlexScan 400 PPM

Rollfilm	6:39 Minutes Per Roll (16mm/95 ft. Roll)
Fiche	17 Seconds Per Fiche (Jacketed 5 Row Fiche) 70 Seconds Per 15 Row COM Fiche (51 per hour)
Aperture	4 Seconds Per Aperture Card

*Scanning speeds presented are estimates of raw scan time only, and do not include load time. Exact scanning results are dependant on client's conversion parameters, the condition of the microforms, and network capabilities.

Technical Specifications

OS and Hardware	Windows 10 64-bit OS *Computing platform capability suitable for 100% throughput of the scanner.*
Optics/Camera	LuminTec™ Strobocropic Illumination System Preconfigured 8k CMOS Line Scan Image Sensor (8,192 Pixel CCD Array) High Quality Defraction Limited Lens 8 or 12 Bit Output True Gamma Correction, Flat Field & Pixel Defect Correction **Optional* Best-in-Industry 16k CMOS Line Scan Image Sensor (16,384 Pixel CCD Array)
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)
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 16k Camera.*

Physical Characteristics

Base	*Height - 24", Width - 14.5", Depth - 22", Weight - 55 lbs.*
Film Module	Height - 10", Width - 13", Depth - 23", Weight - 24 lbs.
Fiche Module	Height - 12", Width - 18", Depth - 32", Weight - 30 lbs.
Power Consumption	110V / Input Voltage 110-240V Auto Switching FlexScan 1.7 - 2.3A

Optional

1,000' 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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