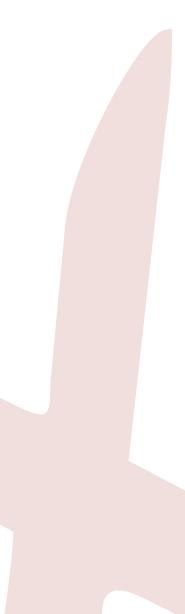# fleXScan™
with nextStar

FlexScan 2 in 1 Scanner for
Rollfilm **and** Microfiche

The FlexScan 2 in 1 scanner is designed to offer a complete package for users with rollfilm and microfiche scanning requirements on a limited budget. Each FlexScan unit comes with your choice of scanning modules, exclusively designed by nextScan.

FlexScan with NextStar can scan rollfilm up to 240 pages per minute or microfiche up to 125 images per minute. The NextStar software introduces an innovative, patented, new processing methodology for use with nextScan scanners. With NextStar, speed is measured by the amount of time required to scan an entire roll of film or jacket of fiche. For a full standard roll of film with office document images, at 200 DPI and 24X, FlexScan with NextStar can process the entire roll in 13 minutes, yielding a true speed of 240 ppm.

FlexScan uses superior camera technology that produces incredible speed, precision and uniform output. Scanned images are sharper with better edge definition because FlexScan uses fiberoptics as its light source, eliminating hot spots and uneven lighting.

Enjoy all of the features in FlexScan you are accustomed to having in a nextScan product, now with the ability to scan rollfilm or microfiche in one unit, while moving your film conversion projects into the 21st Century with the new NextStar Software.

ne**x**tScan

The Next Generation in Film and Fiche Scanning Technology

flexScan™
with nextStar

NextStar Software Functionality

FlexScan combined with the new NextStar software introduces an innovative processing methodology called Ribbon Scanning. An entire roll of film or jacket of microfiche is digitized from top-to-bottom and end-to-end in grayscale and stored as a single ribbon file.

Ribbon Scanning solves many of the challenges encountered today in the conversion process from microfilm or micro-fiche to digital images. NextStar software, with its innovative Ribbon Scanning, was designed to reduce conversion costs while boosting productivity. NextStar allows the user to verify that all images were properly captured, and identifies any image detection or density problems. NextStar then allows the operator to correct those issues in a post-scan audit environment. NextStar eliminates the need for rescans resulting from density or frame detection problems, maximizing scanner utilization and productivity. With NextStar's superior image quality, handling any density and filming related issues commonly faced in conversion processes is easy, outputting images that actually match your database.

NextStar enables the user to manage the end-to-end conversion process. It is modular and expandable. From basic set-ups where all components run on the FlexScan Scanner, to large distributed production systems, the software components communicate between multiple platforms and work is scheduled and shared between many operators.

NextStar's unique features are:

- Reliability, no images are lost during scanning
- Automatic film classification and frame detection
- Post-Scan frame detection allowing correction by audit operator of any errors before output
- Re-audit / QA capability
- Individual frame-by-frame image processing options if needed
- Insert/Delete frames or images while maintaining file naming conventions
- Automatic lamp & gamma adjustment during setup and scanning

FlexScan w/NextStar Specifications

SPEED – Rollfilm & *Fiche
Roll: 240 PPM (based on a roll at 200DPI and 24x reduction)
Fiche: 125 IPM (based on fiche at 200DPI and 24x reduction)

SOFTWARE – NextStar
(Scan, Detect, Audit, Output)
Automatic lamp & gamma adjustment during setup and operation
Rotate, mirror, crop, deskew, despeckle and edge enhancement filters
Industry leading auto thresholding for bitonal images
Independent image processing filters for each output image
Multi image output in different formats
Original optical resolution or interpolated (thumb-nails)
Tri level blip detection and naming
Flexible file naming and index file generation
Standalone or domain workflow end-to-end management and reporting

OPTICS/CAMERA
Linear light via fiber optics yields flat illumination source
10 bit antiblooming CCD array to protect against over exposure
8192 Pixel CCD
7000 Scan lines per second
Operating Systems:
  Windows XP Professional
  Latest Intel CPU Speeds
  Large SATA II hard drive
  1 Gb Network Interface
  2 GB RAM (4 GB optional)
Film and Fiche Polarities: positive and negative
Reduction ratio: 7x to 50x
Resolution: 100 – 600 dpi
Document sizes: to E-size drawings at 200 dpi and oversize documents like oil well logs and EKGs (Image must fit in memory, 2GB max image size)
Film and Fiche size: 16 & 35 mm, *Standard and Jumbo
Film and Fiche Orientation: Comic, Cine
Fiche formats: Step & Repeat, Film Jackets, AB Dick, Microx
Film and Fiche types: Vesicular, Blue and Black Diazo, Silver
File formats: TIFF monochrome, TIFF uncompressed, Multi Page TIFF, TIFF Group IV, JPEG, CALS, PDF and JPEG 2000

* Fiche
**Output speed varies depending on image enhancement options and page size/resolution.

nextScan

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