nextStar™

Software That Enables
Increased Productivity
and Powerful Processing
of Difficult Images

NextStar High Performance Workflow Software introduces an innovative processing methodology called "Ribbon Scanning". With Ribbon Scanning, an entire roll of film or jacket of fiche is digitized from top-to-bottom and end-to-end in grayscale and stored as a single ribbon file. Ribbon Scanning captures all images in raw, uncompressed form using true optical dpi. The unique Ribbon Scanning approach enables significantly better OCR accuracy after scanning than other software packages available today.

Ribbon Scanning solves many of the challenges encountered today in the conversion process from microfilm or microfiche to digital images. NextStar software was designed to reduce conversion costs while boosting productivity. NextStar allows the user to verify that all images were properly captured, and automatically 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 or filming-related issues commonly faced in the conversion process is easy, outputting images that actually match your database.

nextScan once more leads the industry in technology innovation by introducing an enhanced version of NextStar, NextStar High Definition (HD). NextStar HD is available for applications where resulting archival image quality is paramount, such as scanning of degraded historical documents or newspapers. NextStar HD has all of the useful and flexible features of NextStar, plus it enables up to 12 bit uncompressed grayscale output. NextStar HD is available as an option with most nextScan scanner models, and enables the highest OCR accuracy from its output images in applications where this is a must. NextStar HD yields output images with 4096 shades of gray, while most other software packages on the market produce 256 shades of gray.

NextStar is designed with enterprise expandable architecture and includes all of the excellent image enhancement features needed to produce the best in image quality without all the hard work. NextStar can also be employed as a processing software for paper scanning applications, so can be most useful and quite versatile in a conversion environment where many types of documents are being scanned.

NextStar's innovative approach not only introduces this new scanning methodology for the 21st century, but it also has changed the cost of scanning film and fiche.

nextScan
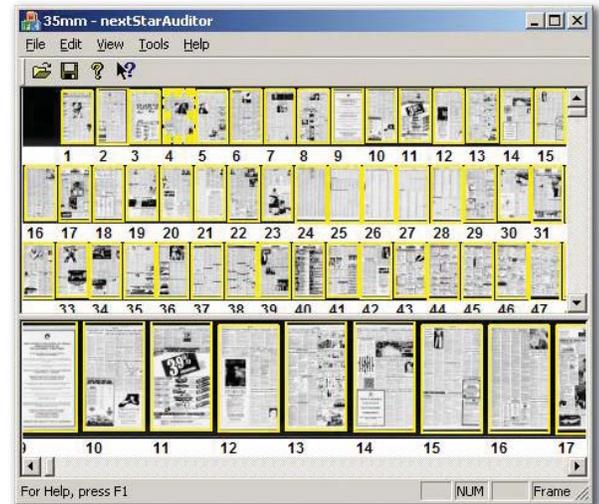
The Next Generation in Film and Fiche Scanning Technology

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① Scan-Create Ribbon	② Detect Frames	③ Audit	④ QA	⑤ Output

NextStar Features and Functionality

Combined with nextScan scanners, NextStar software can significantly reduce conversion costs by minimizing operator setup, QA and by eliminating the need for rescans.

All image data is captured initially in grayscale, then any images that need attention are highlighted. Any special image enhancements can be performed at the audit station, enabling optimum scan time and speed, quality of output, and accuracy of the overall process.

NextStar features at a glance:

- 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
- Distributed processing environment
- Multiple Audit stations per scanner if needed
- Offsite disk pack scanning option with centralized auditing and output
- Workflow management to control all configuration files and setup issues
- Workflow job tracking and reporting capability
- NDNP certified
- Future third party software SDK will be available

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