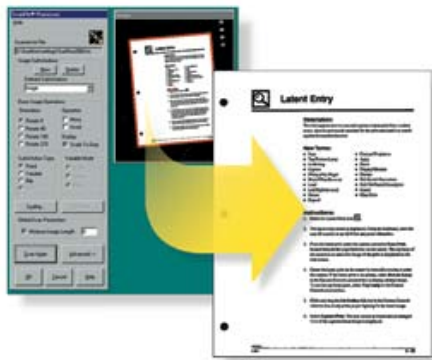


The ScanFlo™ 3000 RapidScan™

Productivity-Enhancing Software SunRise's new scanner system architecture now has the ability to deliver the highest throughput of any scanner in the industry.



ScanFlo - operating software makes it easy and fast for you to setup and operate your S3000 RapidScan Scanner



With the graphical user interface (GUI) makes your control as simple as "point and click"

The SunRise 3000 RapidScan scanner does everything faster, with more control, which maximizes productivity.

ScanFlo RapidScan™ software's powerful user interface (GUI) gives you "point and click" control to:

- Make precise scanner settings per job
- Simultaneously rotate, mirror and de-skew in grayscale
- Minimum operator time and tasks during batch scanning
- Automatically name files via blips
- Advanced Image Processing – with instant feedback:
 - Simultaneous Bi-Tonal and 4,8,12 bit grayscale images
 - Rotation, smart cropping, framing
 - Contrast enhancement
 - Gamma Correction

- GrayScale capability included with system

The grayscale capabilities is a standard part of the SunRise RapidScan software , and can handle the most demanding documents such as historical archives, photographs, and newspapers.

- 12-bit grayscale CCD scanning
- High contrast range
- Ideal for poor quality originals, old photographs, archive documents and newspapers.

Image density Compensation (IDC)

Automatic contrast adjustment for improved extraction of images and optimal text and image conversion to bi-tonal. Even poorly filmed text originals can be located and rendered legible with IDC enhancement software, photographs become line rendered drawings .

- Corrects contrast variances during the scan cycle
- Far less manual pre- and post-scanning work
- More accurate OCR

RowScan™ is included with system

Highest microfiche throughput rate possible – image processing is off-line from scanning

Using RowScan, scan entire rows of microfiche in a single pass. Segment and copying procedures are performed separately on the scanner or on a separate workstation.

- Improves scanning speed
- Eliminates reinserting of microfiche for rework
- Rapid quality assurance
- Maximizes scanner productivity



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ScanFlo™ 3000 RapidScan™

ScanFlo RapidScan – File Formats & Modules

Film Formats – RapidScan offers the ability to scan all three film types – microfiche, Rollfilm and Aperture cards – with a single scanner.

Microfiche

- Cine/Comic (portrait/Landscape)
- Simplex (single images)
- Duplex (pairs like in book)
- Multiplex (many subwindows)
- COM fiche – computer output microfiche
- EKG's/Oil Well Logs
- AB Dick fiche film type
- Microx
- Step & Repeat fiche
- Ultra Fiche – larger fiche
- Vesicular microfilms

Rollfilm

- Cine/Comic (portrait/Landscape)
- Simplex (single images)
- Duplex (pairs like in book)
- Multiplex (many subwindows)
- COM Roll computer output
- EKG's/Oil Well Logs
- 100,200,1000 ft. Reels
- 3M Cartridges
- Planetary Rotary camera output

Aperture Card

- Cine/Comic (portrait/Landscape)
- Simplex (single images)
- Multi-frame (many subwindows)

Modules – SunRise 3000 unique three-in-one design offers multi-film formats for a single investment.

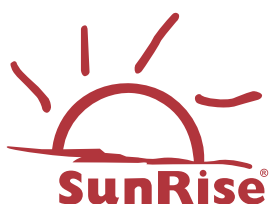
ScanFlo 3000 RapidScan – Software

Quick and easy set up for production operations!

Whether scanning Rollfilm, Microfiche or Aperture cards, RapidScan software makes setting up and operating the SunRise 3000 scanner fast and easy. The intuitive graphical user interface (GUI) gives “point and click” control to simplify adjustments for image edge detection, contrast levels, reduction ratios, light intensities. Spatial filtering with convolutional filters 3x3, 5x5, and 7x7 now is easier than ever with instant feedback. Problems such as poor contrast, fuzzy images, thin images, noisy images, dark images, and background noise can all be fixed easily. The RapidScan software supports Group 3, CCITT, TIFF (Bi-Tonal), TIFF, JPEG, TIFF-LZW, GIF, and Multipage TIFF's.

Operator can perform multiple set-ups and processing on a single workstation. These include: Image detection and segmentation, Crop, De-Skew, and Digitization and Indexing (Naming). ScanFlo RapidScan detects and locates individual frames within the microfilm. Operators can vary the edge detection threshold by simple “click and drag” actions. The instant visual feedback based on threshold settings ensures proper framing and eliminates costly re-scanning of poor quality film.

Using ScanFlo RapidScan software, the SunRise 3000 RapidScan scanner can be set up to automatically perform many steps during the conversion process without operator involvement. End result: lower total cost of operation.



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