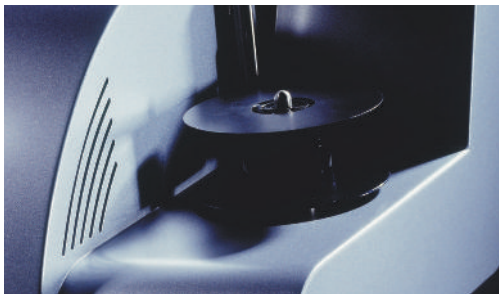


New Rollfilm Scanner

Embracing the Wicks and Wilson philosophy of 'easier', 'simpler' and 'better', we like to think that users and engineers alike will appreciate what we have achieved with this machine.

In developing the **8850** we soon realised that our existing "SmartScan" image processing board, whilst still delivering excellent results on our slower scanners, did not offer the leap in performance we were looking for. What was required was a radical solution.

Inspired by the success of our "Smartcode" image processing algorithm, as used on the C-Series Aperture Card Scanstations, a decision was made to rethink how we capture and process images when scanning film.



The solution came not from existing microfilm scanning technology but from the computer games industry. By utilising the processing power of the latest generation of computer graphics cards our software engineers who were responsible for our innovative range of 3D capture products, designed a completely new image processing algorithm especially for microfilm images.

Several key features have been incorporated in to the **8850** SCANFILM software. Firstly there is an "auto white balance" control which tracks the changes in film density and adjusts the greyscale imaging parameters accordingly, this helps to achieve consistent results throughout a whole roll of film. Secondly we have introduced a speed control mechanism that automatically monitors and adjusts the scanner speed, matching the controller PCs ability to accept and process data. This means that if the process queue starts to build, the **8850** scanner simply slows down allowing the files to be processed and the PC to catch up without ever having to stop the **8850** scanner.

Processing the raw video data directly from the camera also has benefits for our Virtual

Scanstation software as any reprocessing of the data is carried out on the raw greyscale source data. This allows imaging parameters to be manipulated any number of times without ever compromising the raw greyscale source data from the original scan.

The **8850** also works with the new Virtual ScanStation software. (See below.) More in-depth information on the 8850 is overleaf.

30 Years Plus ...

.... And still going strong! Wicks and Wilson are now a major microfilm scanner manufacturer with a string of own-brand products to their name.

With bright and innovative staff designing ground-breaking scanning equipment for the industry, that success is set to continue for years to come.

By listening to what our customers say about the products, and via a feedback loop of innovation and change management, we aim to stay ahead of the game by providing what the microfilm scanning industry needs.

INTRODUCING: A New Way To Scan Rollfilm

If you have ever tried to quality control and scan a job at the same time, you will appreciate the difficulties involved. The new Wicks and Wilson Virtual ScanStation Software eliminates bottle-necks caused by quality control and scanning having to be performed on the same machine.

The principal is simple! When you scan the microfilm, our system captures the entire content of the film and not just the frames. This allows subsequent offline QC, and the operator can review, amend, crop, alter thresholds and otherwise change the images before committing to your chosen file format.

As the data is held in secure sets, you can choose to move the job around your network and optimise the flow of work. Further options for file naming and other settings all add to the flexibility of the Virtual ScanStation.

With licensing arrangements to suit all types of organisations, this software is set to increase productivity by removing QC from the computer with the scanner attached.

PRODUCT BRIEFING

ROLLFILM SCANNING

The Wicks and Wilson range of rollfilm scanners are fully featured scanning systems which will scan both 16 and 35mm roll film, simplex or duplex, positive or negative, bitonal or greyscale.

Each one of the four Scanstations has its own individual performance characteristics, however, they all have one common theme, ease of use, reliability, high productivity and the ultimate in image quality.

MICROFICHE SCANNING

Microfiche come in many different formats from the normal sheet film to Jackets, AB Dick fiche, COM, 16 and 35mm combination jackets, silver or diazo, negative or positive.

Producing superior quality images from the various formats requires a batch scanner that is both productive and flexible that uses the most advanced software and the latest imaging technology.

Even if you have the poorest quality microfiche, our fiche carrier fed mechanism will protect your fiche all the way through the process.

APERTURE CARD SCANNING

Each Wicks and Wilson aperture card scanner has its own individual performance characteristics. Whether you need to scan one card a day from your CAD system to produce a paper plot, or if you have a requirement to digitise an entire aperture card archive, there is a Wicks and Wilson Scanstation to suit your requirements.



The 8850 ROLL MICROFILM SCANNER

The Wicks and Wilson **8850** is our flagship scanner. It scans both 16mm and 35mm rollfilm, and it incorporates the

performed with ease from the scanners own software. Using a technique where the light is passed through 'holographic

essential maintenance, and when required, ease of analysis. For this reason, the process of diagnosis and the remedy of faults, is unprecedented.

"... an easier, simpler, better way to scan ..."

very latest electronics, materials and optical technology available. Each element of the scanner has been reviewed, analysed and (where possible) updated by our engineers to bring you the best in scanning technology.

The film transport mechanism has been improved to absolutely minimise contact with the film. The illumination system has

easier

also been re-engineered to provide the most even light reaching the film. This even lighting assists with scan quality, and makes poor quality microfilm rolls much easier to set up for scanning.

On the subject of setup: It is worth mentioning here that we have eliminated the need for an engineer to calibrate the lighting system. This can now be

diffusers', as well as incorporating state-of-the-art electronics to control the lamp position, this combines to take the **8850** ahead of its time and assure the best scan quality each time a film is scanned.

Operating in conjunction either with it's own included software, or with the extremely powerful and versatile *Virtual ScanStation* software, the **8850** provides a simpler easier better way to scan. This, combined with the speed, functionality and accuracy of scanning is what you would expect from Wicks and Wilson.

By looking so closely at each step involved in the entire scan process from start to finish, and by having incorporated

simpler

the very latest electronics and best materials, this in turn leads to reliability, ease of installation and setup, ease of

As an investment, the **8850** represents a reliable source of income for bureaus and a solid commercial proposition for in-house users. With its speed of throughput, the ROI on the **8850** is substantially increased in terms of both equipment and staff time.

When the QC operation is taken away from the **8850** by utilising the Wicks and Wilson Virtual ScanStation software, the **8850** really does come into its own. When dedicated to scanning at 200dpi,

better

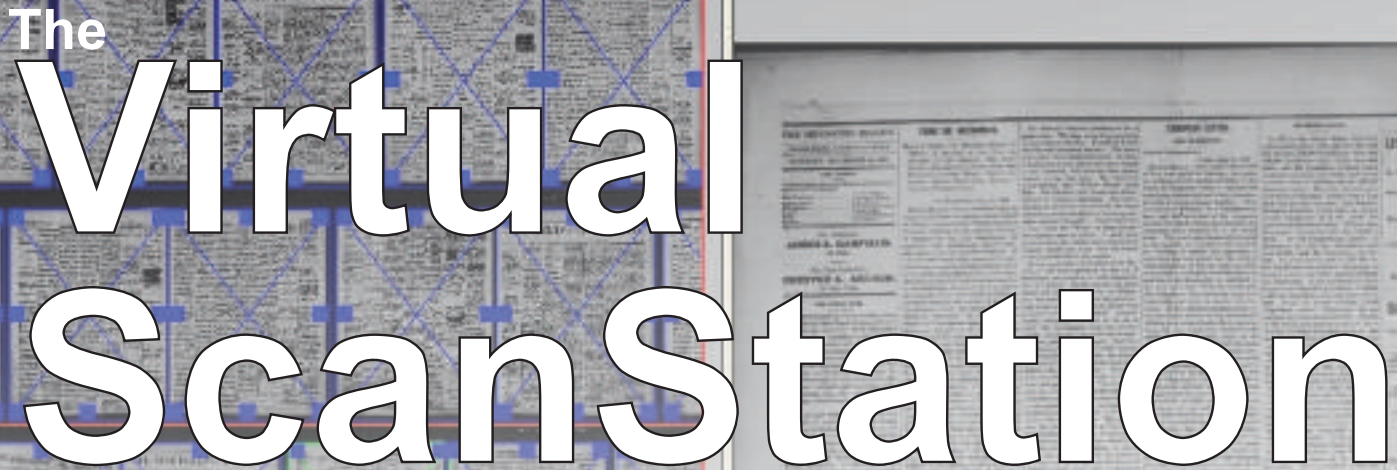
throughput reaching 325 16mm frames per minute can be achieved. At this setting, an entire 100 foot film can be scanned in less than 25 minutes.

As the **8850** also scans 35mm rollfilm, this further enhances the potential for becoming a true work-horse in any situation where there is a large microfilm repository or a need for scan-on-demand.

The Easier, Simpler, Better way to scan

Wicks and Wilson Limited

Electronic Imaging and Micrographics



The Virtual ScanStation

One of the most crucial aspects of any scan operation is that of QC (Quality Control). The requirement varies from client to client and job to job, but the most frustrating part is that normally, to perform QC successfully, you need access to the scanner you created the images from

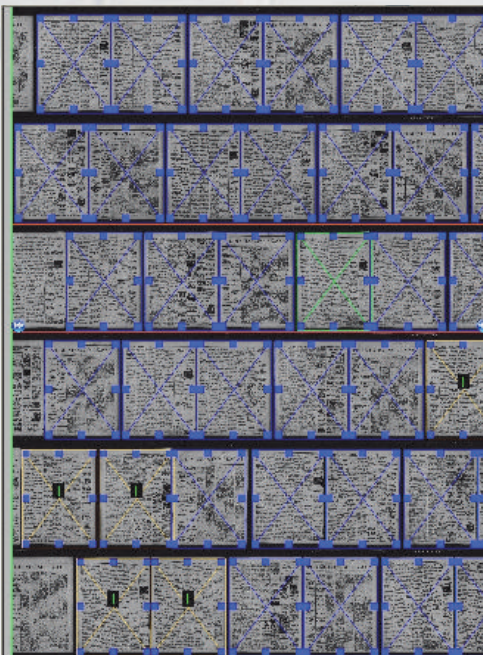
..... UNTIL NOW!

The Wicks and Wilson Virtual ScanStation allows you to do several things which all assist with the QC process. Apart from allowing remote PC-only QC work to take place, it also broadens the scope for greater control over the entire process, as well as allowing opportunities to make the process more secure.

It all starts with which scan mode you use. For example in the Wicks and Wilson **8850** Scanfilm software, there is a Virtual ScanStation mode. This allows capture of the entire length of rollfilm scanned. The advantage from the quality perspective is that you can crop, change settings, group frames (and separate them if the scanner originally thought they were one and the same document page,) all at your leisure and without tying up the microfilm scanner while doing so.

Other options include the ability to lock the data files for security, to move them around a network (as you might do in a workflow situation). With a comprehensive set of tools covering all of the standard QC steps you might need to take to correct skewed or incorrectly

oriented documents, brightness and contrast problems, the Virtual ScanStation offers a cost effective route to achieving top quality, whilst significantly improving the ROI (return on investment) on hardware.



A typical VSS application where newspaper microfilm is being checked. Notice some of the frame have indicators showing which frames have been changed.



Wicks and Wilson Limited
Electronic Imaging and Micrographics

Worldwide Appeal



Key to the success of any manufacturing operation is its ability to serve customers and resellers alike. Wicks and Wilson are no exception, and are extremely proud of the wide range of countries covered, and of the level of support they are able to provide their dealer network.

With so many dealers, distributors and VAR's selling and maintaining Wicks and Wilson products and software around the globe, it takes a small team of dedicated support staff to manage the network. The dealer support team, based at our HQ in Basings-toke, England, are on hand to provide exactly what it takes to ensure that queries are answered, technical issues resolved and of course sales support is given to all who need it.

The fact that Wicks and Wilson and their products and software are exported to over 50 countries, is testimony to the fact that these days - the world really is a lot smaller.

With a world beating range of products and software, and a world beating team to back up international sales and support, Wicks and Wilson really do strive to make things

easier
simpler
better

the Wicks and Wilson range

Rollfilm

The Wicks and Wilson range of high volume production scanners for digitising roll microfilm combines speed, image quality and simple-to-use software interface providing a powerful scanning tool to meet the demands of production digital conversion.

The **8850** rollfilm scanner caters for both 16mm and 35mm film. With ease of use and speed of throughput key to its design and build philosophy, our flagship scanner will provide top quality results easier simpler and better.

Other models comprise the RS100, RS150 and RS200. The scan quality for these machines ranges from 100 to 600dpi and throughput at 200dpi goes from 65 to 180 frames per minute.

Fiche

The FS-Series from Wicks and Wilson is a range of high volume production scanners for digitising microfiche. The versatile and flexible scanners can be easily configured to automatically capture all formats of microfiche.

There are two scanners in the range, the FS150 and FS300. Capable of scanning at up to 600dpi, microfilm frames can be captured at rates from 39 to 179 per minute depending on whether it is a jacket, fiche or COM fiche.

Aperture Cards

Aperture cards have been around for almost as long as computers. The original format was an 80 column punch card format which was used to program early computers.

With so many drawings captured on to aperture card, our single-shot and batch scanners are still as popular as ever. With additional equipment covering duplication and plotting, the range covers all aspects of aperture card use.

The simplest scanner is the C-Drive X model, which allows a single card to be scanned with ease. Top of the range is the CS750 which can scan a massive 750 cards per hour.

'Wicks and Wilson are the only company to design and manufacture the entire range of performance microfilm scanners for all microfilm types, rollfilm, fiche and aperture cards.'

Wicks and Wilson also manufacture the entire range of microfilm cards and related consumables. Please contact us for a quotation.