

# 8800-Series ROLL FILM SCANSTATION

MAXIMUM PRODUCTIVITY.  
MINIMUM EFFORT.

The 8800-series Scanstation is the new generation of production microfilm scanning technology from Wicks and Wilson.

The unique design offers an innovative approach to production microfilm digitization. Digital files are created quickly and simply from all formats of roll film.



The easier, simpler,  
better way to scan



Wicks and Wilson  
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# THE 8800-SERIES SCANSTATION

Incorporating the latest in digitization and image processing technology, the **8850** has been designed by Wicks and Wilson to automatically capture grayscale and bitonal images from 16mm and 35mm microfilm at the highest possible quality. Our high-technology illumination and optical path, custom camera system and unique image processing algorithms give unparalleled imaging results from all types and formats of roll film.

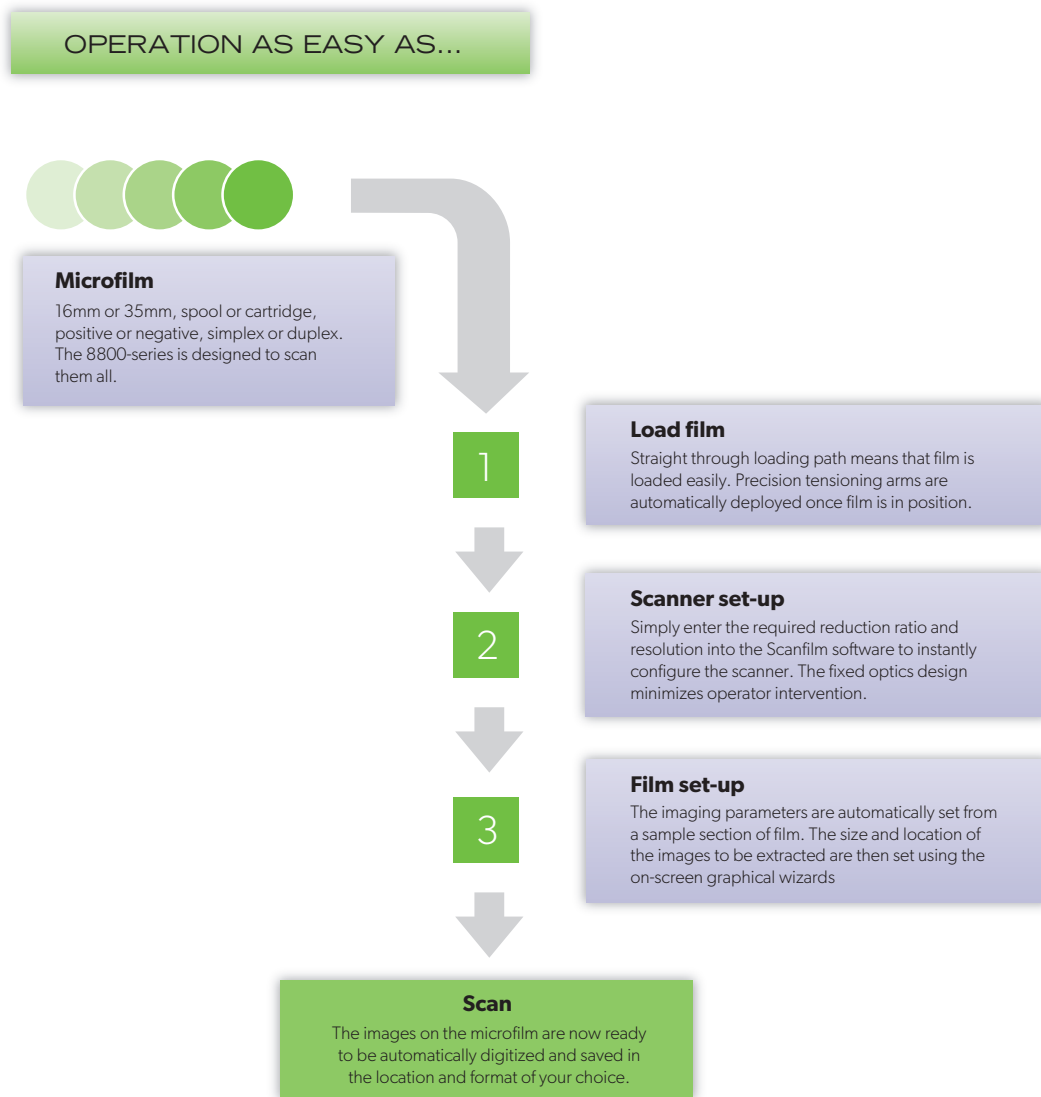
Given the technical advances within the 8850, careful attention has been paid to making the operation of the scanner as simple as possible. By keeping the user interface clear and automating many of the key tasks, the time taken to train an operator to run the scanner has been minimized, ensuring reliable operation for maximum productivity.

Similar in design and function, the all-new **8820** brings the respected Wicks and Wilson expertise to the mid-range market for the first time. With a slightly slower throughput, the 8820 offers lower-volume production end-users a viable option for high-quality scanning at moderate pricing.

## KEY FEATURES

- Automated image location using document edge or intelligent detection of up to four levels of blip code. Images extracted either as fixed-size (for constant-sized frames on the film) or auto-size (for varying frame sizes). All location and extraction settings are configured using on-screen graphical wizards, reducing set-up time.
- A full suite of image processing tools including intelligent thresholding, gamma correction and auto white balance for consistent imaging results throughout the film. Features single-pass dual-thresholding to efficiently compensate for density differences between top and bottom film tracks on duplex films.
- Job set-up feature allows all imaging and scanning configuration parameters to be quickly saved for future use.
- New and improved software interface increases productivity by providing instant on-screen feedback of any changes to imaging parameters without the need to rescan.
- Real-time view on principal monitor of film being scanned, with simultaneous display of extracted frames on second monitor.
- Fully compatible with the new Virtual Scanstation software from Wicks and Wilson. Virtual Scanstation is the fully-featured offline QA package that dramatically enhances workflow, accuracy and productivity.

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## TECHNICAL ESSENTIALS

- New 12-bit camera system designed by Wicks and Wilson's engineers to specifically address the challenges of microfilm digitization.
- Unique many-core parallel processing architecture that harnesses the power of the latest nVIDIA™ graphics cards to run Wicks and Wilson's cutting-edge image processing algorithms; a first for any microfilm scanner.
- Custom-built lens provides greater resolving power across all film types.
- All new illumination system including holographic diffusion for superior results every scan.
- Anti-static brushes designed for indirect cleaning capability to minimize unnecessary contact with the microfilm.

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## PRODUCT SPECIFICATIONS

	8850 SCANSTATION	8820 SCANSTATION
<b>Resolution</b>	100 – 600 dpi	
<b>Reduction ratio (fixed focus)</b>	16mm 7.5x to 50x (variable) 35mm 7.5x to 36x (variable)	
<b>Check print capability</b>	Yes	
<b>Scaling accuracy</b>	+ 1% -	
<b>Speed (frames per minute) A4, 200 dpi</b>	350 fpm	150 fpm
<b>Film types</b>	16/35mm spools, 16mm cartridge (M-type, C-clip), positive/negative, silver/vesicular/diazo, simplex/duplex, COM, portrait (cine)/landscape (comic)	
<b>Spool size</b>	30m (100'); 64m (215') thin base; 300m (1,000')*	
<b>Film transport</b>	Servo-controlled DC motor with anti-static brush cleaning system	
<b>Bitonal output file format</b>	TIFF (G3 or G4, single or multi-page); CALS; PDF (single or multi-page)	
<b>Grayscale output file format</b>	JPEG, BMP, JPEG 2000, RAW TIFF, PDF (single or multi-page)	
<b>Virtual Scanstation QA software package</b>	Included	Optional
<b>Agency approvals</b>	CE, UL, cUL	
<b>RoHS compliance</b>	Yes	
<b>Size (WxDxH)</b>	440mm x 593mm x 348mm (17.5" x 23.5" x 13.75")	
<b>Weight</b>	29kg (64lbs)	
<b>Power requirements</b>	120/230 Volts, 2/1 Amps	
<b>PC connection</b>	Dedicated PCI Express X1 interface card supplied (full height slot required)	
<b>Operating system</b>	Windows Professional Systems (all 64 bit only) : 7; 8; 8X; 10	
<b>Controller PC specification</b>	See website ( <a href="https://bit.ly/2K2d4RX">https://bit.ly/2K2d4RX</a> ) for current specifications	
<b>Graphics card specification</b>	High performance nVIDIA™ graphics card required. Please see WWL website for current requirement, <a href="http://www.wwl.co.uk">www.wwl.co.uk</a>	

\*Available option

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