

8850

Roll Film Scanstation

Introducing the 8850 Scanstation, the new generation of production microfilm scanning technology from Wicks and Wilson.

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

Maximum productivity, minimum effort.



Wicks and Wilson
A CROWLEY Company

8850 Roll Film Scanstation
the easier, simpler, better way to scan...

8850 Scanstation

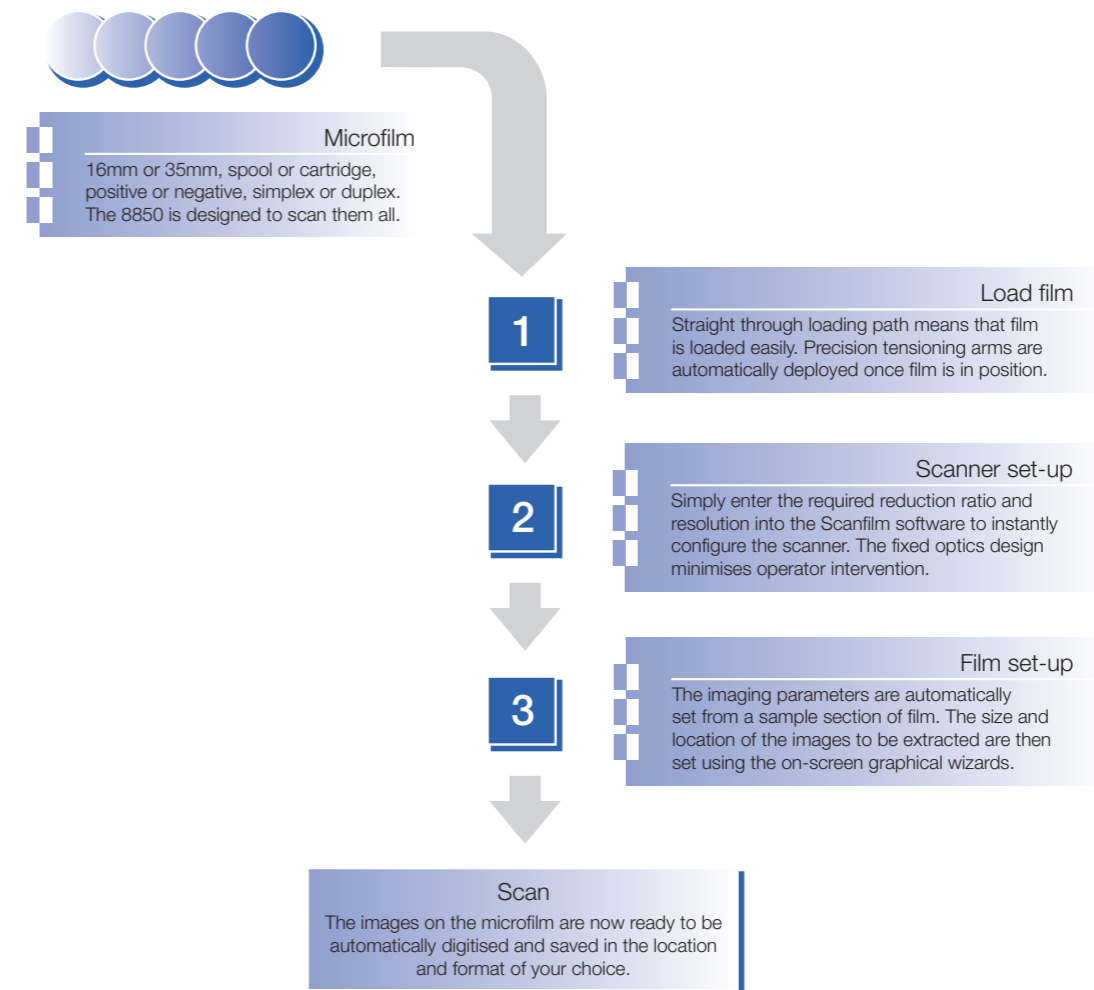
Incorporating the latest in digitisation and image processing technology, the 8850 has been designed by Wicks and Wilson to automatically capture greyscale and bitonal images from 16 and 35mm microfilm at the highest possible quality. Our all new illumination and optical path, completely new camera system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

Given the innovative 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 minimised; ensuring reliable operation for maximum productivity.

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. 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; the fully-featured offline QA package that dramatically enhances workflow, accuracy and productivity.

Operation as easy as...



Technical Essentials

- New 12-bit camera system designed by Wicks and Wilson's engineers to specifically address the challenges of microfilm digitisation.
- 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 minimise unnecessary contact with the microfilm.

Product Specifications

8850 Roll Film Scanstation

	8850 Scanstation
Resolution	100 - 600 dpi
Reduction ratio (fixed focus)	16mm 7.5x to 50x (variable) 35mm 7.5x to 36x (variable)
Check print capability	Yes
Scaling accuracy	± 1%
Film types	16/35mm spools, 16mm cartridge (M-type, C-clip), positive/negative, silver/vesicular/diazo, simplex/duplex, COM, portrait (cine)/landscape (comic)
Spool size	30m (100ft), 64m (215ft) thin base, 300m (1,000ft)*
Film transport	Servo controlled DC motor with anti-static brush cleaning system
Bitonal output file format	TIFF (G3 or G4, single or multi-page), CALS, PDF (single or multi-page)
Greyscale output file format	JPEG, BMP, JPEG 2000, RAW TIFF, PDF (single or multi-page)
Agency approvals	CE, TÜV, UL, cUL
RoHS compliance	Yes
Size (WxDxH)	440mm x 593mm x 348mm (17.5" x 23.5" x 13.75")
Weight	29kg (64lbs)
Power requirements	120/230 Volts, 2/1 Amps
PC connection	Dedicated PCI Express X1 interface card supplied (full height slot required)
Operating system	Windows XP, Windows Vista and Windows 7
Controller PC specification	Please see WWL website for current PC requirements, www.wwl.co.uk
Graphics card specification	High performance nVIDIA™ graphics card required, please see WWL website for current requirement, www.wwl.co.uk

* Available option

Wicks and Wilson, Morse Road, Basingstoke, Hampshire, RG22 6PQ, United Kingdom

Europe Telephone +44 (0)1256 842211 Fax +44 (0)1256 840997

North America Telephone (240) 215-0224 Fax (240) 215-0234

Email wwl@thecrowleycompany.com Web www.wwl.co.uk

The Crowley Company pursues a policy of continuous product improvement and reserves the right to change these specifications without notice.

Wicks and Wilson is a division of The Crowley Company. www.thecrowleycompany.com



BS EN ISO 9001:2000
Reg No. FM01740