

4DigitalBooks™

Digitizing Line

DL 1500
DL 1800



Automatic Page Turning and Scanning of Books



The Digitizing Line is a unique automated solution for fast turning pages and digitizing of all types of books, magazines and newspapers, featuring unattended operation at 1500 or 1800 pages per hour.

Designed by **4DigitalBooks**, The Digitizing Line integrates **i2S** scanner technology allying breath taking productivity and exceptional image quality.



Several high quality optical resolutions are available from 200 to 600 dpi, to better preserve documents of page formats ranging from DIN A5 (148x210 mm) to DIN A2 (420x594 mm).



TECHNOLOGY

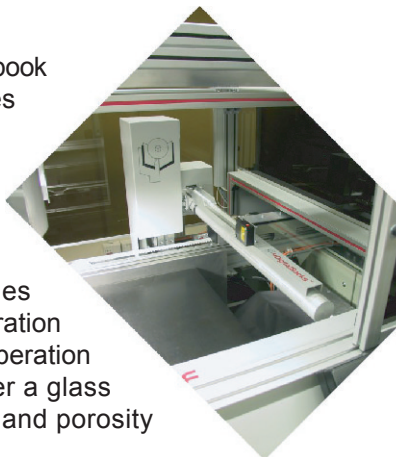
The Digitizing Line is a scanning solution, that integrates innovative and reliable technologies for page turning and image capture, that respect the safety of document and operator's ergonomics and labor safety.

The Digitizing Line has an automatic book cradle that ensures optimal book placement to present pages for repeatable image positioning. Associated with automatic detection of book parameters it contributes to optimum digitizing of the largest variety of materials.

The Digitizing Line is a powerful scanner offering exceptional quality of scanning over the whole surface of the document using a moving camera and a non-aggressive moving light.

FEATURES

- automatic detection and adapting to parameters of the book
- flexible algorithm finds the best way to separate pages
- incomparable performance versus manual operator
- no human error or fluctuations in productivity
- suitable for recent and ancient books
- handles softly the pages and the binding
- one operator may drive 4 units at the same time
- ensured one page turn at a time, no missing of pages
- storage of book parameters as presets for faster operation
- lifetime and reliability suitable for 24 hours - 7 days operation
- higher quality images as pages are presented under a glass
- accepts books with mixed paper thickness, texture and porosity



Dimensions LxWxH : 3.1 x 1.5 x 2.2 m
Height of Book Holder : 1 m

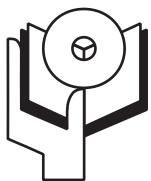
Weight : 1200 kg
Power : 400 V - 3 phase - 10 kVA

www.4digitalbooks.com

www.i2s-bookscanner.com

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DL I500

DL I800

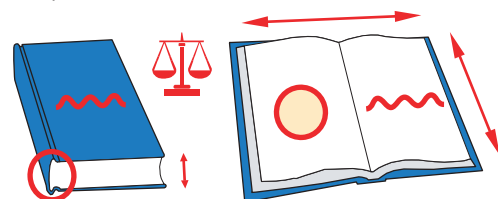
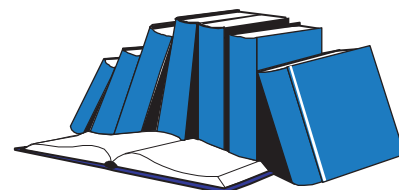


Technical Specifications



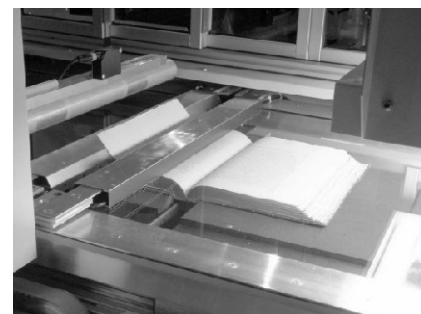
DOCUMENTS ACCEPTED

document types : books, magazines and bound newspapers
 book weight : max. 20 kg
 book thickness : max. 150 mm
 book covers : soft and rigid
 page size : min. A5 (148 x 210 mm), max. A2 (420 x 594 mm)
 scanning surface : max. 860 x 600 mm
 paper weight : min. 20 g/m², max. 200 g/m²
 wavy pages or covers : max. amplitude 25 mm
 pages opening angle : 180°
 behaviour when opened : remains open or closes spontaneously



PROCESS

book centering : automatic by book cradle
 book holding : by distributed vacuum platines
 page pickup : by distributed vacuum arm
 page turn : pushed by air cushion
 page flattening : none, partial, pressed
 automatic detection : book weight & thickness, page width, single page
 safety measures : checking page pickup & release, page being bend
 automatic retry : if multiple pages or no pages are picked up
 lose pages detection : (optional)
 page turn cycle time : 2.2 sec to 5 sec depends on page fragility and size



SCANNER FEATURES

Technology Linear CCD	Equivalent Matrix	Image Colors	Bits / Pixel	Max. Resolution (dpi) at Format			
				2xA5	2xA4	2xA3	2xA2
6000 RGB	51 million	16M colors	24	600	500	300	250
6000 BW	51 million	256 gray	8	600	500	300	250
5000 BW	35 million	256 gray	8	400	400	300	200



MAXIMUM PRODUCTIVITY

Format	Resolution (dpi)	5000 BW (p/h)	6000 B&W (p/h)	6000 RGB (p/h)
2xA5	200	1800	1550	1150
	400	1500	1150	750
2xA4	200	1550	1300	950
	400	1200	950	550
2xA3	200	1300	1050	700
	300	1150	850	550
2xA2	200	1150	900	600

10 speed settings are available from 1 slowest to 10 fastest, to allow proper manipulation of the document depending on its fragility. Maximum productivity is reached for books that are in good condition.

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