ATIZ



Automatic Page Turning Scanner

for effortless digitization of your bound books.

BookDrive

Automatic Book Scanner

No More Page Turning.



What is BookDrive?

BookDrive™ is the world's first and only automatic page turning scanner that comes in desktop size.

It is just like any traditional flatbed scanners that you are familiar with, but BookDrive is unique in that it has an automatic page turning mechanism inside.

BookDrive has the capacity to automatically scan bound books of various sizes at a speed of up to 500 pages per hour. You just input how many pages you want. BookDrive will create an output of your book in a digital format of your choosing (e.g. JPEG, TIFF, or PDF), all without requiring constant supervision and interference from you. With BookDrive, you will never have to turn pages again.

The Benefits Are Clear.

Book scanning offers you more benefits than you may realize.

Once books are digitized, you immediately enjoy all these benefits that are otherwise not possible:

- Books are archived into a format suitable for exchange, storage and later retrieval
- Electronic books can be easily shared with others via email, etc.
- The content of all those books suddenly become searchable from a computer
- Aid academic study and distribution of study materials
- Electronic books can be read on multiple devices (desktop PCs, laptops, or PDAs)
- Ability to create audiobooks for listening on the go or use by the visually impaired

The benefits of digitization are clear. Yet everyone faces the same problems : scanning books is so costly and takes too much time. On a personal level, the continually repeated task is more than bearable.

Some organizations have turned to specialized outsourcing services to do the work for them, others realizing that the cost is just too high have decided to forgo the effort.

Luckily, you have a choice !

Now, you can work up to 5 times faster and eliminate virtually all the costs involved in book scanning. Operators no longer have to turn page after page until the book reaches the end. The whole process is effortless because BookDrive turns the pages for you automatically.

Scenario: scanning 1,000 books





BookDrive™

Manual VS. Auto

Method:	
Manual scanning using traditional scanners	Automatic book scanning with BookDrive
Productivity:	
100 pages per hour per worker	Up to 500 pages per hour by a BookDrive
Time to scan one book:[1]	
5 hours	1-2 hour
Total time to finish project:	
5,000 man hours or over 2 years[2]	4 months with 1 machine
Cost:	
Over $200,000	Under $1,000 for consumables (replaceable rollers)
Effect on book:	
Heavy on books due to aggressive page flattening. Either requires destroying of books or extensive preparation.	Gentle on books with unique SoftGlide™ technology. Books are well preserved and unaffected by the scanning.
Ease of operation:	
Requires adjusting each page image one by one. Additional software package needed.	BookDrive software performs all the essential tasks such as auto cropping, image clean-up in a batch.

1. Assuming each book is 500 pages.
2. Based on 8 work hours/day. 5000/8 = 625 work days, equivalent to 31 months or 2.5 years.
3. Cost of outsourced book scanning in color runs at approximately 50 cents per page.

BookDrive

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Documents Accepted

document types	:	Books, magazines and bound documents
book weight	:	max. 20 lb (10 kg)
book cover	:	hardcover accepted, softcover not recommended
book sizes accepted	:	B5 (minimum), A4 , Letter,
maximum scanning surface	:	12" x 20" (30 x 50 cm)
paper weight	:	45 x 180 GSM (depending on surface conditions)

Requirements

Minimum specs
- CPU 2 GHz Intel® Pentium 4
- RAM 512 MB
- 10 GB available disk space
- Windows XP (Service Pack 2)

Recommended specs
- CPU 2 GHz Intel® Pentium 4
- RAM 1 GB
- 80 GB available disk space
- Windows XP (Service Pack 2)

Technical Specifications

Type
Automatic page turning scanner

Scanning method
CIS type sensor

Image sensor
7,500 pixels per line color image sensor

Scanning resolution
100/200/300/600 dpi

Output
Color and grayscale

Power consumption
125 Watt

Dimensions (W x D x H)
34" x 22" x 13" (86 x 57 x 32 cm)

Weight
66 lb (30 kg)

Scanning time
Less than 10 seconds per page, Up to 500 pages per hour

Other functions
Automatic rotation
Automatic edge detection
Automatic cropping
Manual cropping
Continuous printing
Brightness adjust
Contrast adjust
etc.

Interface
USB 2.0 (Hi-speed)

Power supply
Universal input 110-220VAC

Productivity Table

DPI	Scanning (time per page)	Page turning (time per page)	Returning (time per page)	Total scanning time (time per page)	Scanning speed	Image processing (time per page)	Scanning + Image processing time (time per page)	Throughput rate
100	10 sec.	3.5 sec.	2 sec.	15.5 sec.	230 pages/hr.	3.8 sec.	19.3 sec.	186 pages/hr.
200	19 sec.	3.5 sec.	3 sec.	24.5 sec.	146 pages/hr.	5.3 sec.	29.7 sec	121 pages/hr.
300	27 sec.	3.5 sec.	4 sec.	32.5 sec.	111 pages/hr.	9.2 sec.	41.7 sec.	86 pages/hr.
600	55 sec.	3.5 sec.	5 sec.	60.5 sec.	60 pages/hr.	342 sec.	402 sec.	8 pages/hr.

Specifications are subject to change without notice.

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Product configuration may differ from country to country.

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