

KABIS III  
Speeds up to  
**2,900**  
Pages/Hour

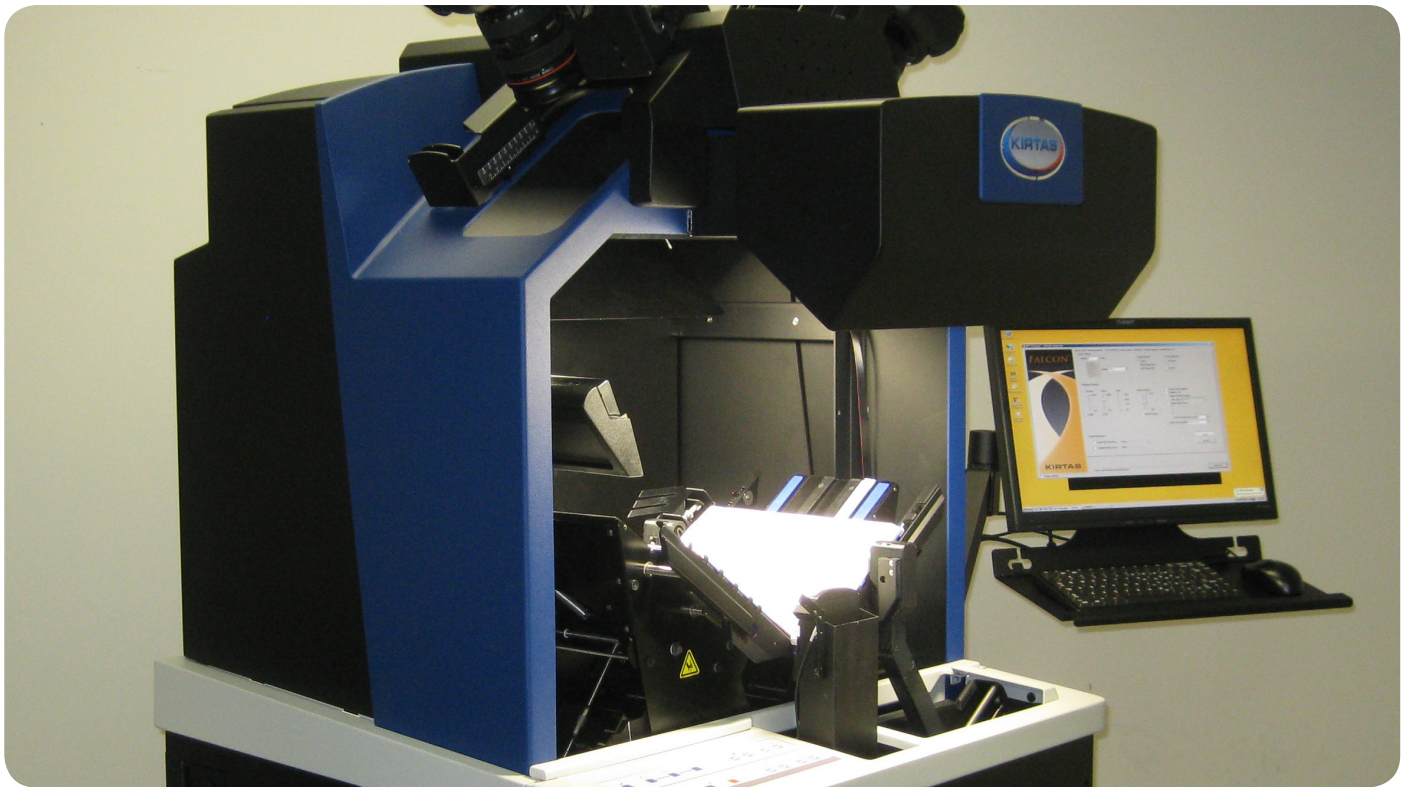


# KABIS

## AUTOMATED BOOK SCANNERS

**“From Shelf to Net”**

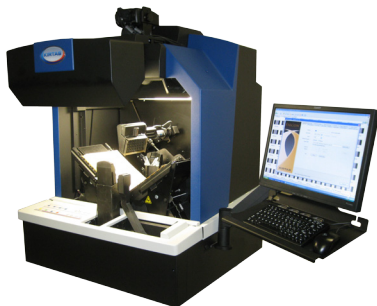




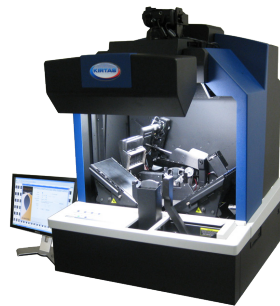
Kirtas Technologies has developed a complete digitization solution. Utilizing the best in hardware and software, Kirtas enables its customers to digitize their content for the long haul. Institutions understand just how important image quality is. Digitization needs to stand the test of time.

## KABIS RANGE

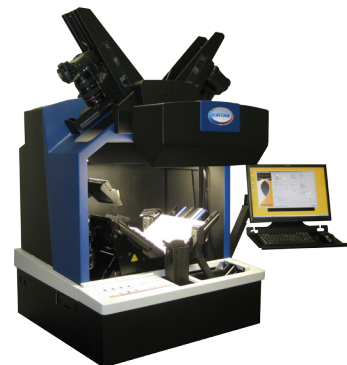
Kirtas Technologies is the leader in quality, high-speed, non destructive mass book digitization. Our patented robotic digitization systems, innovative processing software, high accuracy OCR, and unique archiving technology enable us to provide multiple output options.



KABIS I



KABIS II+



KABIS III

## KIRTAS WITH i2S DIGIBOOK

In 2011, i2S DigiBook has purchased a controlling interest in Kirtas Technologies, bringing together two leaders in the digitization market becoming the largest group in the world for digitization, enhancement and web dissemination of cultural, administrative and industrial documents. Both companies come together as one with vast experience in the manual and automatic book digitization and software solutions. Since 2000, i2S DigiBook has been designing, manufacturing and marketing scanners for books, maps and any type of bound documents up to 2XA0 format as well as dedicated image-processing software suites.

With a network of resellers covering 80 countries, with research and development programs (Polinum) to improve technologies in digitizing, image and metadata processing and with hundreds of thousands documents housed and printable on demand, i2S DigiBook and Kirtas Technologies have build the best resources, solutions and experiences to help all public and private organizations to manage with success their digitizing programs and increase the potential return on investment.





### **FAST**

Speeds up to 2,900  
pages per hour



### **IMAGE QUALITY**

21 Megapixel  
325 - 400 dpi



### **GENTLE**

Robotic Arm and vacuum  
head is gentler than the human  
hand turning pages



### **CRADLE**

110° V-shaped cradle  
provides low-stress support  
for fragile books



### **SMART**

Automatic detection to assure  
single page pick up



### **FLEXIBLE**

Operator controls for speed,  
and vacuum lift,  
semi-automatic operation

## **THE KIRTAS DIFFERENCE**

The page images are captured using the latest Canon 21MP cameras in full 24 bit color in a fraction of a second; one for left-side pages and one for right-side pages. The images can be captured at 325 or 400 dpi resolution with superior sharpness and excellent color fidelity.

The BookScan Editor software includes more automated features for faster, accurate image processing with minimal intervention. When coupled with the OCR processing software, automated "image tagging" is possible creating valuable book structural metadata.

Metadata are created in XML format, and can be output in METS compliant format.

## **QUALITY AUTOMATED BOOK DIGITIZATION**

Quality results are the primary objective of any book digitization project. Quality includes superior images, high accuracy OCR, comprehensive metadata, and complete book integrity. And achieving this will allow you to use the book images to their fullest capability both now and for future undefined needs. Do it once so they last forever! The new KABIS III system continues the Kirtas tradition by providing the SmartCradle™ with new automatic book centering that increases post-processing productivity. The 110 degree position is optimal for low stress, gentle book positioning and is ideal for fragile and rare books. Air flows and the Enhanced Page Separator combine to separate pages, and the newest SureTurn™ robotic arm with its vacuum head will gently lift and turn the page. Within the vacuum head is our Page Edge Sensor technology to detect multi-page or no-page lift conditions and automatically take programmable corrective action. The result is full book content integrity and quality. The newest KABIS Manager software provides a simple user interface to let you start digitizing quickly. And downloading MARC or Dublin Core bibliographic information to include with the book metadata, is simple and easy from OCLC or your own database.

## **LOW-STRESS SUPPORT FOR RARE, AND FRAGILE DOCUMENTS**



# TECHNICAL SPECIFICATIONS

## DIGITIZATION

<b>TYPE</b>	Automated Scanner
<b>MODELS</b>	KABIS I, KABIS II+, KABIS III
<b>CAMERA</b>	Canon 21.1 megapixel
<b>OPTICAL RESOLUTIONS</b>	400 x 400 dpi optical on A2 format 200 x 200 dpi to 600 x 600 dpi
<b>KABIS I</b>	325 x 325 dpi
<b>KABIS II+</b>	325 x 325 dpi 400 x 400 dpi
<b>KABIS III</b>	325 x 325 dpi 400 x 400 dpi 500 x 500 dpi 600 x 600 dpi
<b>(optional lens upgrade)</b>	
	(book size dependent)
<b>OUTPUT</b>	24 bits for color, 8 bits in grayscale, 1 bit in binary

## SIZES HANDLED

<b>FORMATS</b>	A4+
<b>MAXIMUM DIMENSIONS</b>	28.0 x 35.6 cm (11" x 14")
<b>MINIMUM DIMENSIONS</b>	11.5 x 17.8 cm (4.5" x 7") (Automated) 5 x 5 cm (manual)
<b>MAXIMUM THICKNESS</b>	10 cm (4")
<b>MAXIMUM WEIGHT</b>	Up to 20 kg

## OUTPUT

<b>IMAGES</b>	JPEG, CR2; TIFF, JPEG2000, image only PDF and PDF/A with BSE Processing
<b>OCR</b>	Searchable PDF, PDF/A, XML, Word, TXT

## OPTIONAL

<b>SOFTWARE</b>	BookScan Editor™ Pro Upgrade License for OCR (Western Languages) Arabic (OCR)
<b>WARRANTY</b>	12 months hardware and software warranty included Warranty extensions available up to 5 years

## PHYSICAL CHARACTERISTICS

<b>DIMENSIONS</b>	84 x 79 x 138 cm (W x D x H) 33" x 31" x 54"
<b>WEIGHT</b>	73 kg (160 lbs)

## POWER

	Standard 110-240 VAC, 50/60 Hz 15 Amp Receptacle
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## WORKSTATION

	Kirtas Image Server Two Quad Core Hitachi 2 TB hard drives (RAID 5 for storage) Windows SERVER 64-bit 19" flat screen monitor Kirtas Image Processor
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## INCLUDED

	KABIS Manager software BookScan Editor™ license (KABIS III standard, optional on KABIS I and II+) Monitor arm mount Foot pedal Server Edition software Barcode scanner Small book extension kit Height-adjustable, ergonomic table
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## KABIS REFERENCES

-  University of Bologna (Italy)
-  British National Library (United Kingdom)
-  National University of Ireland (Ireland)
-  Boris Yeltsin Presidential Library (Russia)
-  Kazakhstan National Library (Kazakhstan)
-  King Faisal University (Saudi Arabia)
-  National Library Republic of Tartarstan (Tartarstan)

-  NASASTI (Vietnam)
-  Cambridge University Press (United Kingdom)
-  Queensland University (Australia)
-  Texas Tech University (USA)
-  Yale University (USA)
-  Caval for New South Wales Universities (Australia)



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