Kirtas Technologies
Systems

KABIS II

Quality Automated Book Digitization

Quality results are the primary objective of any book digitization project. Quality includes not only superior images, but also 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!
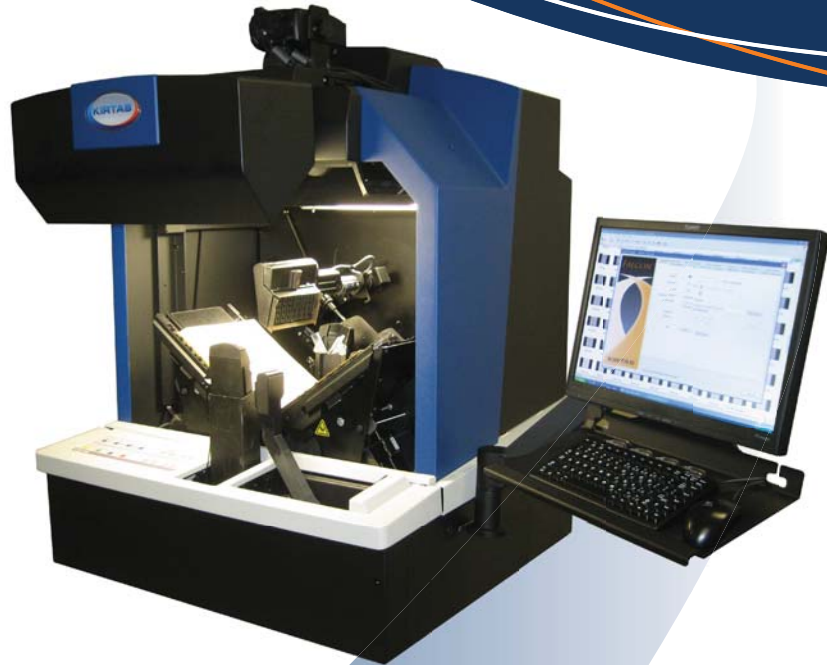
The new KABIS II system continues the Kirtas tradition by providing the SmartCradle with new automatic book centering that increases post-processing productivity. The 110 degree position is optimal for low stress, gentle book positioning including fragile and rare books. Air flows and the Enhanced Page Separator combine to separate pages, and the newest SureTurn robotic arm with its vacuum head will gently lift and turn the page. KABIS II uses new clamps with streaming air jets to help flatten pages for optimum image quality. 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. Downloading MARC or Dublin Core bibliographic information to include with the book metadata is quick and easy from OCLC or your own database.

The Kirtas Difference

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

The BookScan Editor (BSE) software includes more automated features for faster, accurate image processing with minimal intervention. BSE Pro adds the creation of Automatic Book Structure, Bookmarked PDFs, OCR and metadata.

KEY FEATURES

- Quality, high-speed (up to 1,600 pages per hour) capture at 325 dpi, 24 bit color
- Patented SmartCradle™ dynamic book handler, with automatic centering
- Low-stress support for rare, fragile books
- Robotics that are gentler than the human hand
- SureTurn™ robotic arm gentler page turn ensuring only single page pick up and turn at a time
- Page Edge Sensor ensures only one page is picked up at a time
- Automatic page flattening for zero curvature
- Automatic metadata retrieval and creation of MARC records, DublinCore, and MODS files
- Metadata integration into the production process to ensure seamless workflow and inventory control

KIRTAS

DIGITIZE

START

OPTIMIZE

BSE image processing

QC

OCR Western & Arabic

POD

JPEG2000

METS/ALTO

ONLINE DISTRIBUTION

UTILIZE

SPECIFICATIONS: KABIS II

Performance

Cycle Speed	Up to 1600 images per hour
Tone	24-bit Color, 8-bit Grayscale, 1-bit B/W

Technical

Capture	21.1 megapixel Canon camera 24-bit RGB (5,616 x 3,744 pixels) 325ppi up to 11" x 14" 450ppi w/100 mm Macro Lens
Page Size	4.5" x 7" min. (11.5 x 17.8 cm) 11" x 14" max. (28.0 x 35.6 cm)
Paper	13–80 lb (49–300 gsm)
Binding	Up to 4" (10 cm)
Dimensions	33" x 32" x 47" (W x D x H) 84 x 82 x 121 cm
Reliability	Page Edge Sensor, Enhanced Page Separator
Weight	130 lbs (60 kg) approx.
Power	Standard 110-240 VAC, 50/60 Hz 15 Amp Receptacle
Certification	AN/NZS, CE, CSA, EN, FCC, IEC, RoHS, UL

Output	JPEG, CR2; TIFF, image only PDF and PDF/A with BSE Processing
OCR Output	Searchable PDF, PDF/A, XML, Word, TXT

Workstation	• Kirtas Image Processor • Quad Core 2 GHz processors (min.) • 3 GB RAM • Two 1 TB hard drives RAID 10 storage • Two Gigabit Ethernet cards • Windows 7 • 19" flat screen monitor • Mini keyboard & mouse
Included	• KABIS Manager™ software, 1-user license • BookScan Editor™ software 1-user license • Monitor arm mount and keyboard shelf
Optional	• Small book extension kit • Barcode scanner • Height-adjustable, ergonomic table • BookScan Editor™ Pro (OCR) • Arabic (OCR) • JPEG 2000