Kirtas Technologies
Systems
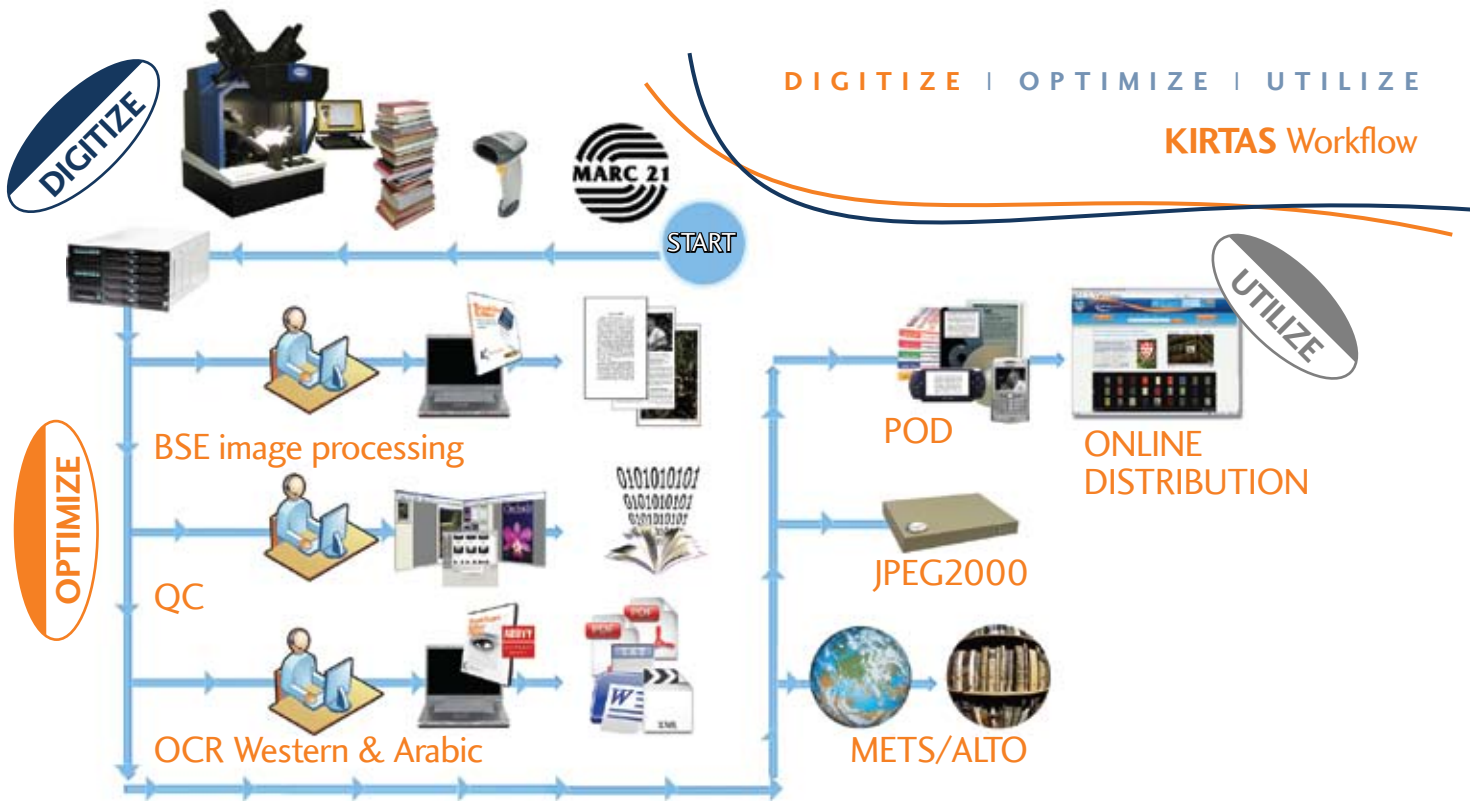
KABIS III

The Kirtas Difference

The page images are captured using the latest Canon 21 MP 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. 500 and 600 dpi options are available for smaller books.

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 (3,000 pages per hour) capture at 400 dpi, 24 bit color
- Patented SmartCradle™ dynamic book handler, with automatic centering
- Low-stress support for rare, fragile books
- SureTurn™ robotic arm, gentler than human hand
- 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
- High performance Kirtas Image Server

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 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 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 III 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 APT 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.

DIGITIZE

START

MARC 21

UTILIZE

OPTIMIZE

BSE image processing

QC

OCR Western & Arabic

POD

JPEG2000

METS/ALTO

ONLINE DISTRIBUTION

SPECIFICATIONS: KABIS III

Performance

Cycle Speed	Up to 3,000 images per hour
Tone	24-bit Color, 8-bit Grayscale, 1-bit B/W

Format	JPEG, TIFF, RAW (PDF optional)
OCR Format	Searchable PDF, XML, Word, TXT

Technical

Capture	21.1 megapixel Canon EOS 1Ds Mark III 24-bit RGB (5,616 x 3,744 pixels) 325–400 ppi, 600 ppi (interpolated) 500-600 dpi (smaller books w/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 31" x 54" (W x D x H) 84 x 79 x 138 cm
Reliability	Page Edge Sensor, Enhanced Page Separator
Weight	160 lbs (73 kg) approx. + 100 lbs (46 kg) table
Power	Standard 120-240 VAC, 50/60 Hz 15 Amp Receptacle
Certification	AN/NZS, CE, CSA, EN, FCC, IEC, RoHS, UL

Workstation
- Kirtas Image Server
- 16 GB DDR2 ECC SDRAM
- Four Hitachi 1.0 TB hard drives (RAID10 for storage)
- Three Intel Pro Gigabit network cards
- Windows 2003 SERVER 64-bit
- 19" Wide-format flat screen monitor
- Two PC camera controllers

Included
- APT Manager software
- BookScan Editor Server license
- Barcode scanner
- Small book extension kit
- Height-adjustable, ergonomic table
- Monitor arm mount and keyboard shelf

Optional
- BookScan Editor™ Pro
- Arabic (OCR)
- JPEG 2000

Kirtas Technologies, Inc. reserves the right to make changes to specifications of products described in this product sheet at any time without notice and without obligation to notify any person of such changes.