

APT BOOKSCAN 2400RA

Kirtas Technologies is the leader in quality, high-speed, nondestructive 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 that stand the test of time.

Superior Image Quality

The Kirtas APT BookScan 2400RA incorporates two 21.1 megapixel Canon EOS-1Ds Mark III digital cameras to photograph each right- and left-hand page simultaneously through the cameras' 24-105mm Zoom EF lenses. Resolution can be set to 330 or 400 pixels per inch, with the ability to interpolate to 600 dpi through BSE software.

Robotics Gentler Than the Human Hand

The patented SmartCradle™ Dynamic Book Handler holds the book open at exactly 110 degrees throughout the process, providing low-stress support for rare and fragile books. Meanwhile, the SureTurn™ robotic arm reduces the need for manipulating pages by hand. The computer-controlled arm uses an adjustable vacuum system, in tandem with page fluffers to gently pick up and turn one page at a time.

Quality Assurance

The APT BookScan 2400RA is equipped with two innovative solutions to ensure the highest quality capture. The Kirtas Page Edge Sensor monitors the APT's performance and adjusts the head position as needed. The Kirtas Enhanced Page Separator isolates individual pages to ensure that only one page is turned at a time. In the rare instance that a page is missed or multiple pages are lifted, the Page Edge Sensor detects the misfeed and allows for corrective action.



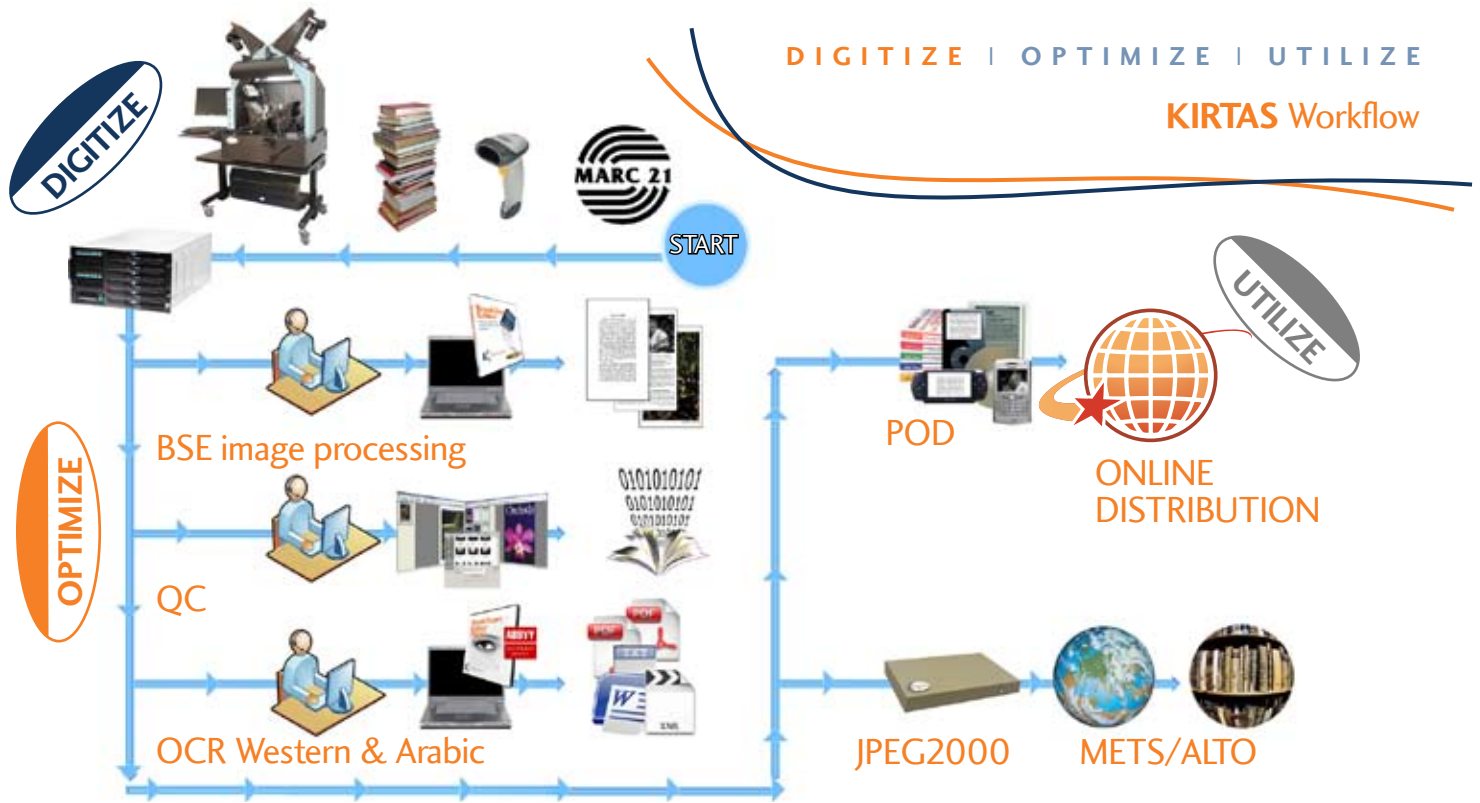
KEY FEATURES

- Quality, high-speed (2,400 pages per hour) capture
- Patented SmartCradle™ dynamic book handler
- Low-stress support for rare, fragile documents
- Robotics that are gentler than the human hand
- SureTurn™ robotic arm uses vacuum system to gently pick up and turn one page at a time
- APT Manager retrieves available metadata and creates MARC records, DublinCore, and MODS files
- Metadata integrated into the production process ensures seamless workflow and inventory control
- High performance, Intel Blade Server



KIRTAS
Technologies, Inc

Moving Knowledge from Books to Bytes



SPECIFICATIONS: APT BOOKSCAN 2400RA

Performance

Cycle Speed Up to 2400 images per hour
Tone 36-bit Color, 8-bit Grayscale, 1-bit B/W

Format JPEG, TIFF, RAW (PDF & JPEG2000 optional)
OCR Format Searchable PDF, XML, Word, TXT

Technical

Capture 21.1 megapixel Canon EOS 1Ds Mark III
 36-bit RGB (5,616 x 3,744 pixels)
 330–400 ppi, 600 ppi (interpolated)

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

Accuracy 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

- High Performance Blade Server
- Two Quad Core 2.33 GHz Intel Xeon E5345 processors
- 8 GB DDR2 ECC SDRAM
- Four Hitachi 1 TB hard drives (RAID 0, 1, 5, or 10 for storage)
- Three Intel Pro Gigabit network cards
- Windows 2003 SERVER 64-bit
- 17" flat screen monitor
- Two PC camera controllers

Included

- APT Manager™ software
- BookScan Editor™ Multi-license Server Edition software
- Barcode scanner
- Small book extension kit
- Height-adjustable, ergonomic table
- Side table w/monitor mount

Optional

- BookScan Editor™ Pro /Arabic (OCR)

