

## 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.



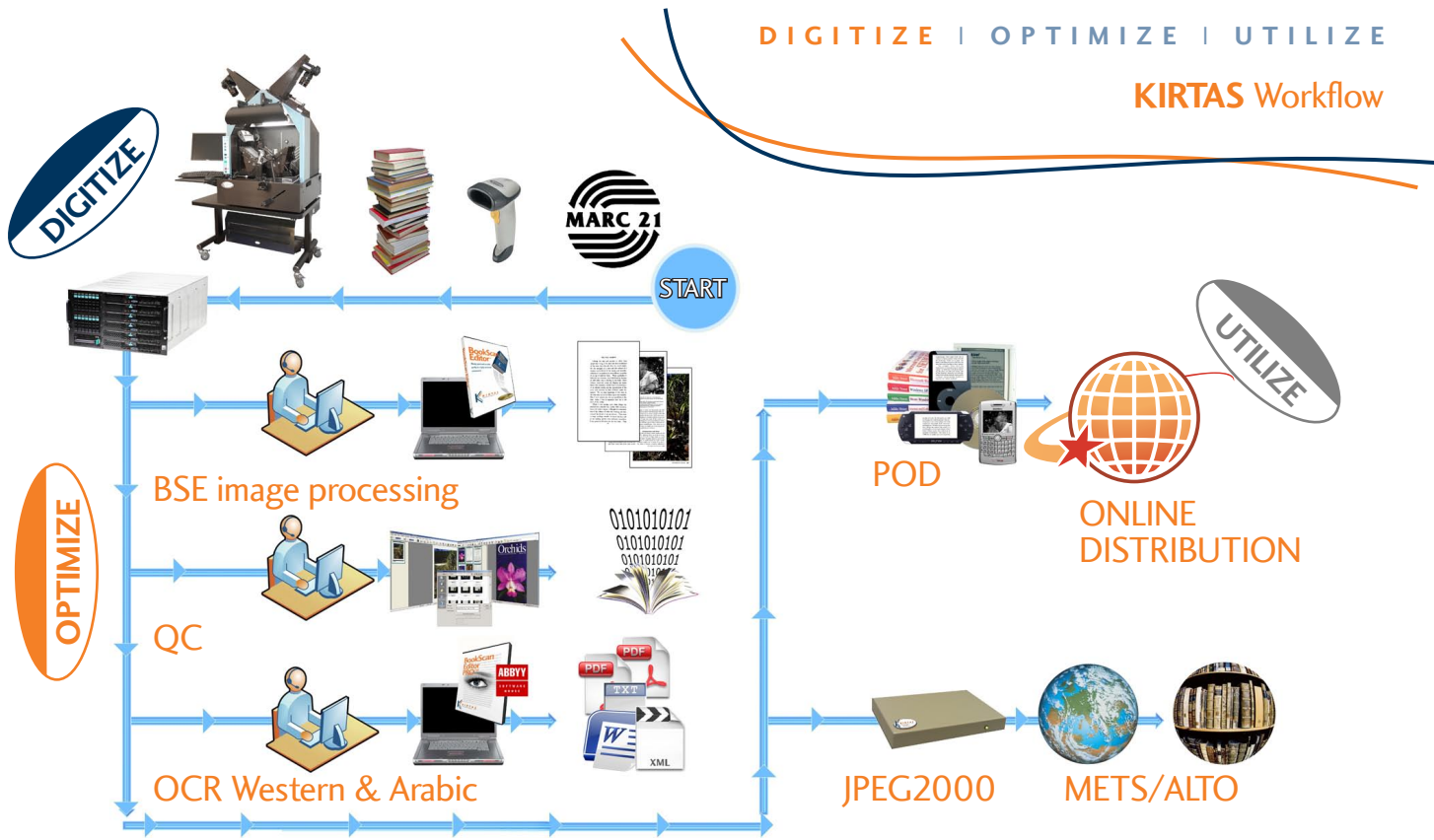
### KEY FEATURES

- 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

- Kirtas Image 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 shelf w/monitor arm mount

### Optional

- BookScan Editor™ Pro /Arabic (OCR)

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.

