KIC
Knowledge Imaging Center

Research,
Study,
Report,
Collaborate ...
Digitally

Walk-up Scanning
as Fast and Easy as Walk-up Copying

KIC is an indispensable research tool that's also great for enhancing the quality of reports and papers with crystal clear color and black & white excerpts from books, magazines and journals. In addition, as a UDSA compliant digitize-on-demand system conveniently located among the stacks, KIC can be used as an ad hoc digitization station by Preservation, Archive and Interlibrary Loan departments.

DLSG
Digital Library Systems Group
at **Image Access**

KIC Usage Statistics

KIC usage reports say it all! Consistent and reliable system metrics are crutial tools to determine the value of any hardware and/or software solution. KIC systems automatically generate statistical usage reports every day. The system is configurable, so library management can opt to email the reports to one or more designated KIC 'administrators' for review and analysis.
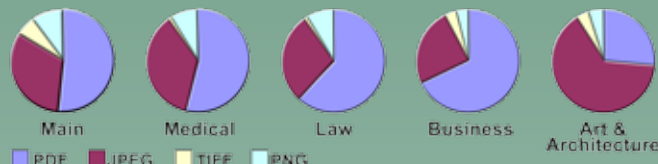
During a recent study conducted on KIC usage, reports from 24 busy systems in the field showed a total of over 338,000 scans in a single month. That's an average of 14,000 scans per KIC system monthly. With KIC, color is free, but assigning a value of only 10¢ to each image results in a value of $1,400/month provided to students and faculty. That translates to a full return on investment in under 15 months, which is the primary reason academic and research libraries are purchasing enough KIC systems to substantially replace copiers.

Delivery & Storage Methods by Library Type

Main   Medical   Law   Business   Art & Architecture
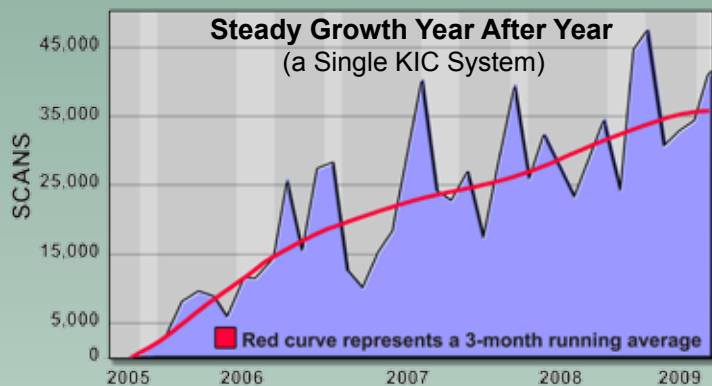
USB Thumb Drives   Email   Print Letter   FTP

While USB drives (pocket-sized memory devices) are overwhelmingly popular, email is a very important method of aquiring scanned images from KIC systems. Originally thought by academic library administrators to be a much needed output option, FTP is used only about 1% of the time.
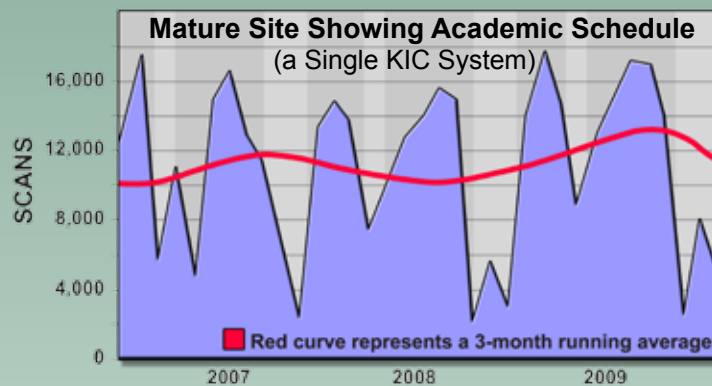
File Format by library Type

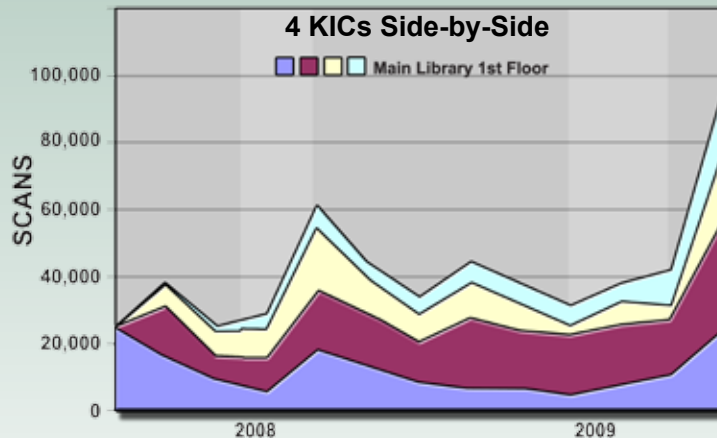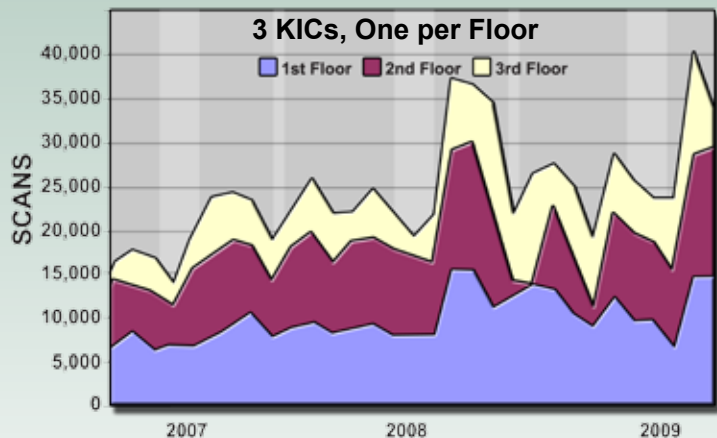Main   Medical   Law   Business   Art & Architecture

PDF   JPEG   TIFF   PNG

While it's not surprising that the JPEG file format is most popular with art and architecture libraries, it's interesting to see how the popularity of PDF versus JPEG varies among libraries. Also, it seems that medical and law students have little use for the TIFF file format.

Steady Growth Year After Year
(a Single KIC System)

Red curve represents a 3-month running average

This graph shows steady growth continuing even after four years as users spread the word to their fellow students and colleagues.

Mature Site Showing Academic Schedule
(a Single KIC System)

Red curve represents a 3-month running average

This graph shows a KIC system that after many years is showing just 12% year-over-year growth, but continues to fluctuate dramatically with the academic schedule.

3 KICs, One per Floor

1st Floor   2nd Floor   3rd Floor

4 KICs Side-by-Side

Main Library 1st Floor

These two graphs show that KIC systems are worth walking to, whether they are side-by-side or spread out throughout the library. The higher and faster growing usage rates of the side-by-side systems might be resulting from a more active sharing of the many ways that images can be used in an academic environment.

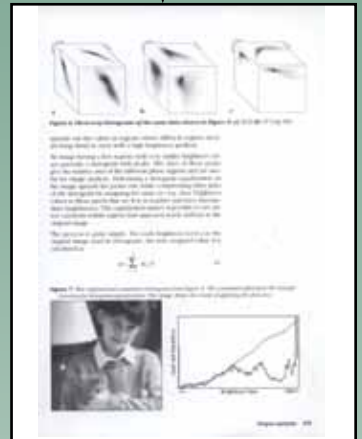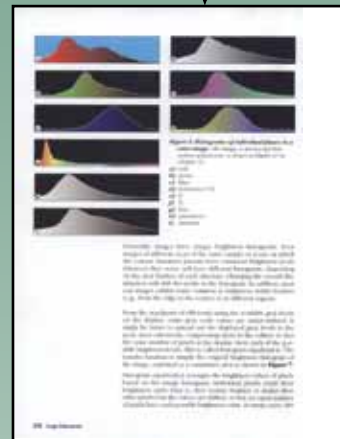# Beautiful Images - Fast and Easy

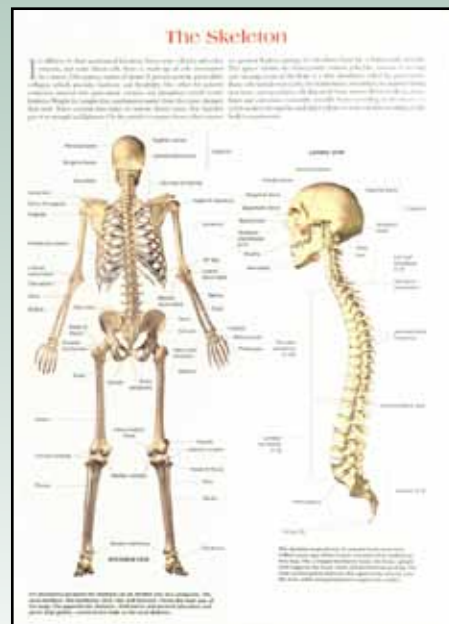*Face-up scanning is faster, easier, and it eliminates spine damage*

No More Book Spine Damage

KIC systems scan a "two-up" page of a book, analyze the single image, and automatically split the image into two separate images — all in one step that takes just 5 seconds.

In addition, the black edges are automatically removed and the content straightened, producing clean, professional looking images — important for electronic reserves, course curriculum materials and research reports. These automatic image treatment functions can also save a lot of time for faculty and administrators.
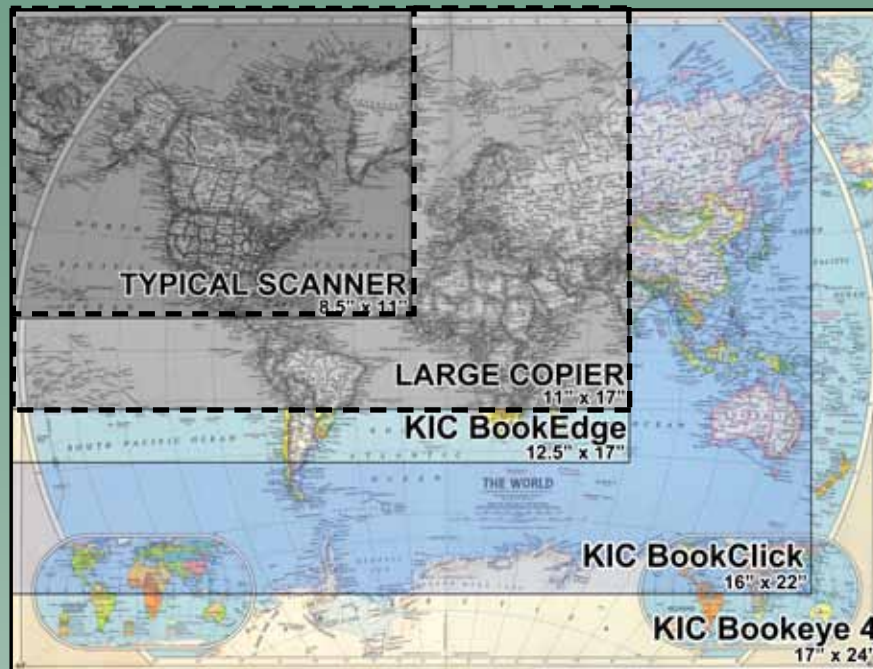
KIC is Great for Scanning Reference Books of All Sizes for Studying and for Research

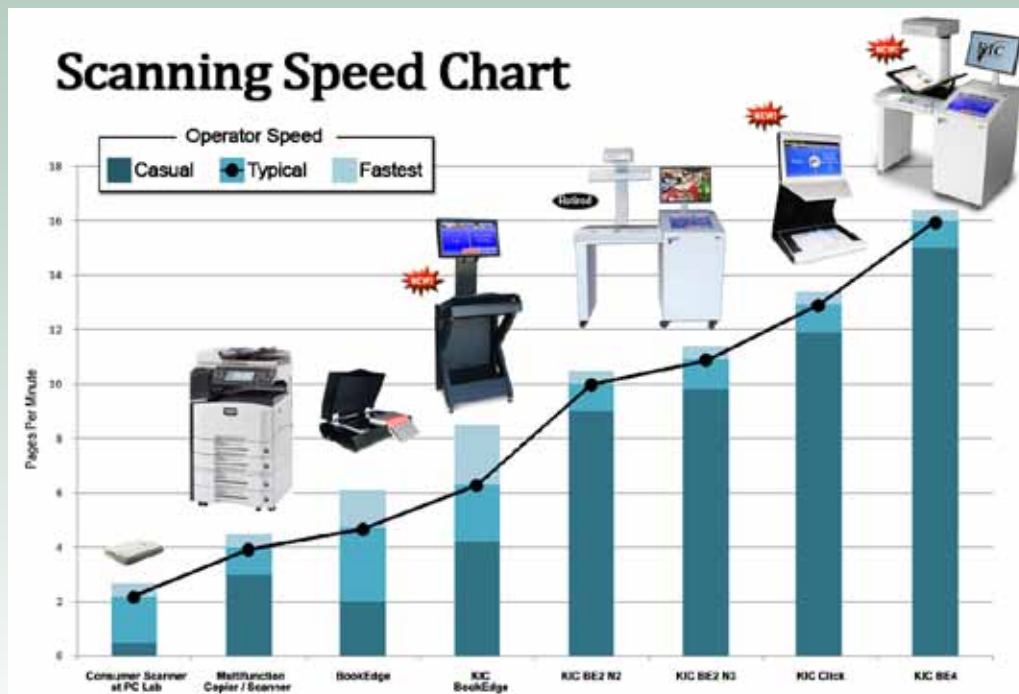*An oversized document – each page measures 17.5x12.5*

How KIC Compares

The capture area of copiers is less than half that of KIC while the capture area of typical scanners is smaller still. With a large 17 X 24 inch scan area, the KIC system captures it all! The smaller capture areas of standard scanners and copiers are shown below.

Fast & Easy... Higher Productivity ... Promotes Greater Use

KIC's face-up scanning enables users to capture multiple pages far more easily than ever before — books no longer need to be flipped over to turn the page and then flipped back over for each scan or copy. KIC scans up to ten times faster than a typical flatbed scanner and over twice as fast as a high speed copier. In addition, it produces either color or black & white images for the same cost, which equates to substantial savings. KIC also promotes a cleaner environment by reducing paper and toner use.

Intuitive User Interface

KIC's boasts a revolutionary user interface so intuitive that even the most inexperienced users can immediately scan materials and save them on a USB thumb drive in minutes.
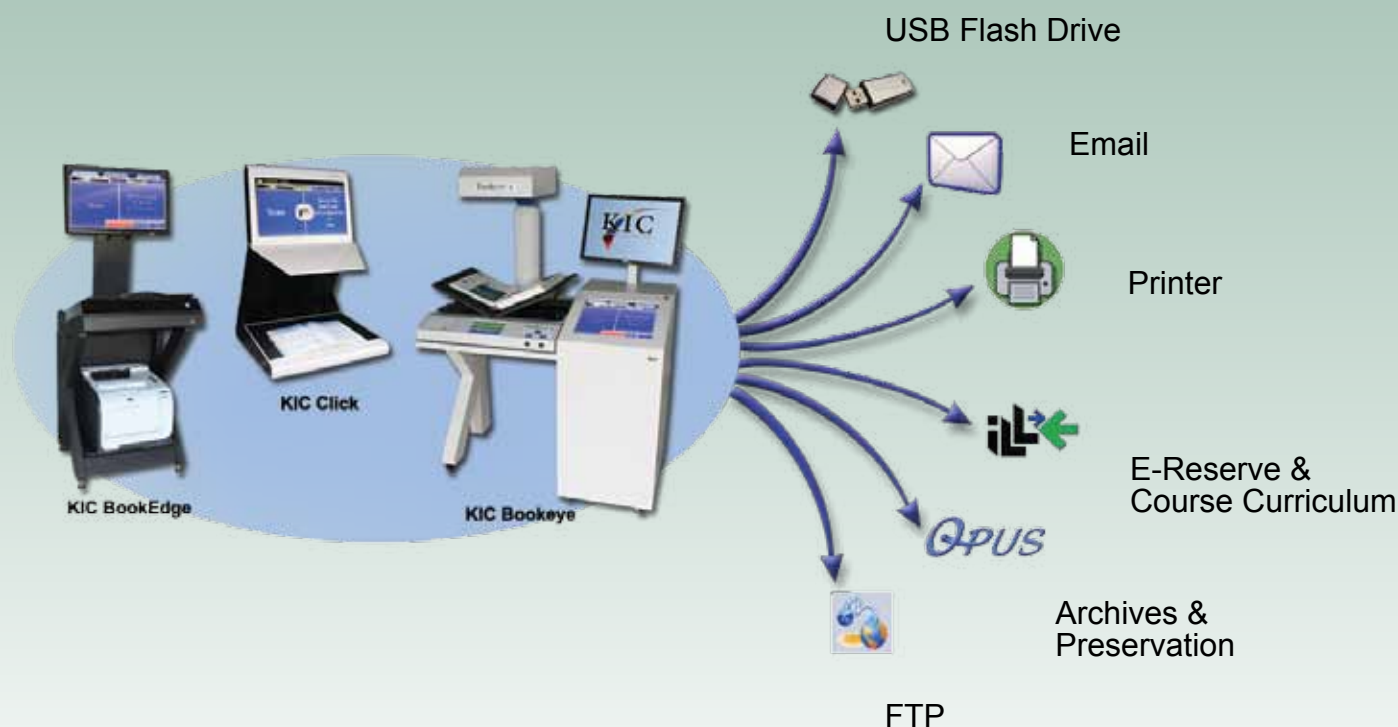
Ease-of-use is an essential feature of KIC. The "Scan" and "Save, Send or Print" buttons occupy a very large portion of the 17" touch screen. The Save button defaults to an output method that is selectable by the institution. If a flash drive is inserted, KIC detects this and the output button changes to indicate that it will save to the flash drive. Users can override the default output method by manually selecting one or more other methods of output.

- KIC's flash drive port enables images to be saved immediately
- Images can be sent directly to any email address
- KIC can output selected images to a local printer or print server
- KIC can easily transfer files to interlibrary loan, electronic reserve or archives workspace on university file servers
- Image files can be uploaded directly to an FTP server
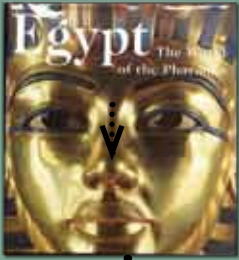

Retrieving Scanned Images From KIC is Fast and Easy
Students and Faculty can Choose Between Many Methods of Output

USB Flash Drive

Email

Printer

E-Reserve & Course Curriculum

Archives & Preservation

FTP

In case you didn't know ...

...what you can do with scanned images

Enhance Reports

Place books face-up on KIC's large bed and scan two pages at a time — *much* faster than flatbed scanners and copiers.

Use whole pages or clip selected pictures, graphs, text, etc. using the computer touch screen.

Save some or all scanned images to USB flash drive or send them to an email address.

View reports in a word processing program on a home or notebook computer. Drag desired images from a flash drive or email directly into a word processing program or save images to your computer desktop and use the 'insert picture' function.

Once images are imported into a word processing program, you may want to format the picture (e.g. select an alternate layout) and resize or reposition it.

For Study

Quickly scan many pages to take with you and study at your convenience in the comfort of your home.

Scan Journals for Research

Scan Artwork

Scan Large Maps and Drawings

KIC
Knowledge Imaging Center

TOO BIG FOR A COPIER...
   BUT NOT TOO BIG FOR KIC

Technical Specifications

- Resolutions   150, 200, 300, 400, 600 dpi
- Compatibility   Standard 1G Ethernet Card
- Dimensions (H/W/D)   62 x 45 x 28"
- Voltage   120V AC
- Frequency Range   50-60 Hz
- Power   approx. 200 Watts
- Temperature   41 to 104 F°
- Relative Humidity   20-80%

Overview of Main Functions

- Face-up scanning up to 17 x 24 inches
- 600dpi, up to 146.8 mega pixels
- 24 bit color depth output (30 bit internal)
- Automatic exposure control
- Automatic focus
- Automatic page splitting
- Automatic book-fold correction
- TIFF, JPEG, PNG, text and PDF file formats
- Audio output to MP3 player
- Output to flash drives, printers, email, FTP
- Simple installation
- Self-calibrating
- Remote diagnostics capable

KIC is wheelchair accessible

Scanning Speed

- 2.3 seconds for 1 page of an 8.5 x 11" book
- 3.6 seconds for left & right pages of an 8.5 x 11" book
- 4.0 seconds for the full bed

KIC systems are built for continuous use in public areas. Bookeye scanners are commonly used in demanding, 24/7 production environments. Highly durable touch screens provide accuracy and sensitivity to the user's touch while offering outstanding resistance to contaminants such as dirt, liquids, and harsh chemicals. The cabinet is constructed of heavy-gauge aluminum and steel with high durability baked-on paint and locking wheels.

The Hybrid Library

To fully earn the 'hybrid library' designation, a library's print collections must be available in digital format. KIC systems allow your students and faculty to select material for quick and easy self-serve digitization, providing a valuable conduit between your print collections and patron PCs.

KIC's self-serve digitize-on-demand capabilities leverage your library's most valuable assets. Digital images don't have the limitations of physical copies. They can instantly be shared with fellow researchers around the world via email, dramatically facilitating collaboration.

KIC Pays for Itself

In addition to providing self-serve digitize-on-demand capabilities, KIC dramatically reduces costly book spine damage. Scanning books face-up is not only fast and easy, but users do not need to apply spine damaging pressure to get a good image. With the press of a button, KIC can print to a black & white or color printer. Patrons who simply want a copy can use KIC instead of pressing books against the glass plate of a photocopier.

KIC is also compatible with all standard copy card and coin-op devices. Since KIC transfers images to users' computers via flash drives, email & FTP, there need not be any costly expendables ... none, even for color! The library can opt to keep all revenue it collects.

At 5 cents per page, KIC pays for itself with just an hour of use per day, yet its Bookeye scanner is commonly used for 16 hours per day in heavy production environments.

Turn Any USB Flash Drive into a Department Key

Simply write your department's password file to the flash drive. Department keys enable access to shared file folders on the network.

KIC Revenue at a Glance

Scans per Month	Fee Per Color or Black & White Scan	
	5 Cents	10 Cents
5,000	$250	$500
10,000	$500	$1000
15,000	$750	$1500