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A Perfect Team at the Bucerius Law School: Bookeye 4 and Q Pilot

A Strong Legal Network

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In May 2015, the Hamburg Bucerius Law School replaced its entire system of book scanners to the technology offered by the Wuppertal based company Image Access. Each of the three floors of its library now houses its own Bookeye 4 serving the law students. A service which is offered around the clock, since this elite university law library is open 24/7.

The Bucerius Law School in Hamburg has completely replaced older solutions with the Bookeye book scanners. On all three floors of the library, Bookeye 4s serve students of the legal profession.

In many ways, the Bucerius Law School has a special standing. Founded in 2000, it was the first private German university of law. Supported by the ZEIT Foundation, Ebelin and Gerd Bucerius modeled the university after North American law schools. There are 17 full-time professors and junior professors for only 600 students of which 94 percent report that they are satisfied or very satisfied with the conditions at the law school (nationwide the average is 59 percent).

A well-functioning network also paves the way to assuring the vocational future of the graduates. In its current recommendations for prospective law students, the "Legal Tribune" cited "high esteem among employers, best scores nationwide for law majors" and also notes: "The excellent test results in Hamburg are legendary: one quarter of the candidates achieved a fully satisfactory exam grade in the compulsory state exam or even better – nationwide top ranking." In the nearly official law faculty ranking awarded by the Centre for Higher Education Development, the Bucerius Law School is ranked in first place among more than 300 universities and colleges. Quite applicably, the university says what it teaches is "Jura plus".

Multimedia Learning

Rather than a grade point average on the high school diploma, the deciding factor here is an elaborate two-stage selection process once a year on who will be admitted to study. In particular, this process tests performance, motivation, vocal talent and an aptitude for legal thinking. The 116 best applicants get approval – regardless of their financial situation. Although the tuition fees are high,

there are scholarships and a "reverse-generational contract" with which students agree to repay 9 percent of their income to the university when they are successful lawyers in their future careers. Nearly 8 percent of the students – a higher rate than at any other university – receive fellowship from the Academic Foundation of the German people.

Seamless Integration

The heart of study central is in the modern, architecturally attractive new building opened in 2007. Students value the comfortable atmosphere and it is an excellent location for multimedia study, research and training. Around 120,000 printed media – of which one third is books and two thirds are magazines – make up the reference collection. The collection may be used only at one of the 540 workstations which are spread over three floors. Since taking the material out of the library is not an option, copying is also essential.

"The aspect of book conservation plays an important role for us", Library Director Martin Vorberg stated. Vorberg gives his bookbinder repair orders for maximum 2,500 per year, no more than that is budgeted. Therefore, from the very beginning, book scanners were used to digitize the material, rather than photocopiers that require pressing the book against glass plates. With the implementation of Bookeye 4s, this technique has now been perfected. Once can see at a first glance at the scanners that the USB port is no longer in a separate box in the copy room, but integrated directly in the scanner. The original can be placed on a V-shaped book cradle with an open angle of up to 120 degrees or



laid completely flat on the scanner bed. Special cameras digitize the original line for line with high speed. In spite of the fact that an open book can never lie completely flat, the high tech scanner can flatten out the book curvature while maintaining sharpness of the complete page. The scan result is displayed on a large monitor and can easily be corrected for parameters such as brightness, contrast and the like. The system is operated via touchscreen, which has been customized to meet the needs of the law students. Optionally, users can operate the scanner using the Scan2Pad app on their own smartphone or tablet. Scan2Pad connects directly to the scanner via a scanner-internal WLAN on the Bookeye. In addition to the more flexible, simplified handling and excellent scan quality, the seamless integration of the "Q pilot" network of Schomäcker Card Solutions also played an important role.

Contactless Login

Identification of the user in the copy room takes place via a contactless reader and the user's personal Mifare Smart card ("Bucerius Card"). Only the actual printouts are billed to the students at 5 cents per page. Saving digital scans in PDF format on tablets or USB sticks remains free. Q pilot is a print and output management system that ensures secure document output and centralized, web based cost control of printing, e-mail, copy, fax and scan services. The system protects the entire network against data theft and uncontrolled document output. If scanning is interrupted, regardless of the reason, the job remains cached. After reading the user's Mifare card, the system detects any previously uncompleted jobs and resumes the work where the job was interrupted.

The midterm goal of the Bucerius Law School is to make the existing 8,000 E-books, 2,500 journals and 14 data bases seamlessly available on portable devices, as they them-

selves have stated, but there is still quite a long way to go until we will see paperless judicial science. See the interview.

Lawyers need to have things printed out in black and white.

Interview: Configured for Students of Judicial Science Honors for the Touchscreen

BIT Mr. Buchholz, you have outfitted your library with three Bookeye scanners. What were your reasons for migrating to this family of products?

Michael Buchholz Students intuitively learn to operate the scanners without the need for a detailed introduction or training. The menu-driven navigation via the touchscreen could be customized to meet the needs of the law students, eliminating irritating and unnecessary frills. Equally crucial was the reliability. If there ever really was a problem in operation, we have the services of an external technical service provider right at our doorstep.

Heiko Paasch However, only in exceptional cases would we have to drive the few kilometers here to the library because we have direct access to all online scanners via the network, so we can manage support activities such as firmware updates over the internet.

BIT When are the lines in front of the Bookeye scanners longest?

Buchholz We have virtually no bottlenecks. Our library is always open, 24 hours a day, seven days a week. The 600 Bucerius students have three floors with over 500 workstations available to choose from. Each floor has a private copy room with a Bookeye and a printer. From a numerical standpoint, the library is so well equipped that demand is completely satisfied.

BIT Does purely digital output, without printouts, play a major role?

Therefore, hard copies of documents will probably remain the standard procedure for a very long time in this „Center of hybrid legal information“, as the Bucerius Legal Library likes to call itself. (www.imageaccess.de)

Buchholz A limited role. Although many users save book pages on USB sticks or via Scan2Pad to their tablets – a service which is free of charge by the way - it is not a trend. It is precisely lawyers for whom paper copies are often indispensable. This is partly due to handwritten notes which are of importance later, but also due to document security. The printouts are individually billed without cash, using the Bucerius Smartcard in our university internal payment system, which is also used for food in the cafeteria or other purchases on campus.

Paasch This way, it works much more smoothly and trouble-free than in a public library where there is usually a coin operated system and an individual invoice per job. The major advantage is that the Bookeye can be completely and simply integrated into the already successfully launched Printing and Output Management System "Q pilot" at the Bucerius Law School.

BIT Your private university is supported by the well situated "Ebelin and Gerd Bucerius ZEIT Foundation". Did that mean that you were able to spend more to achieve an optimal solution?

Buchholz This is one of the largest and most common misconceptions we face. As a non-profit "gGmbH", we must not only closely monitor costs, but in contrast to any other entities, all prices still add the VAT as non-deductible. But it is precisely the price-performance ratio in this investment which was the convincing argument for implementing Bookeye.



Michael Buchholz, Director of IT and Media Technology, Bucerius Law School Hamburg: "On each floor, there is a Bookeye book scanner and a printer available."



Heiko Paasch, CEO of Arcscan GmbH, Ahrensburg: "We have direct online access to all of the scanners in the network."



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