

## 17. OmniScan 7000 Zeutschel Scanner

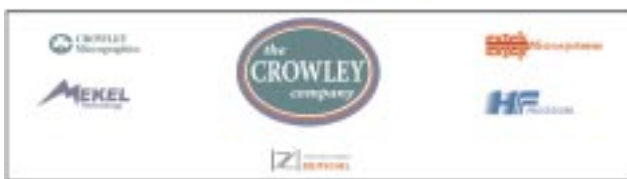


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**The universal scanning systems Fast, 800 dpi scanning and copying of books and large documents**

### OMNISCAN 7000

Until today, scanning or copying of large books or documents has been cumbersome, time-consuming and inaccurate. With state-of-the-art scan technology ZEUTSCHEL provides now a high performance large format scanning system OMNISCAN 7000 that will efficiently handle books and large documents with high resolution accuracy and reliability. It will reduce imaging time and labour cost. Simply place a book or a newspaper volume face up on the scanner's book cradle or table and you will digitise an image with all details in seconds. The scan head captures the original from the top. The connection to your document management systems is granted via an interface SCSI-2 Wide (16 bit) and optional standard drivers TWAIN or ISIS. A laser-printer can be

connected directly to the scanner system for fast printing.

Now it is convenient and easy to digitise books: Well-designed ZEUTSCHEL book cradles guarantee that the book bindings are not damaged. Also, there's no shadow area at the book gutter and with the electronic image correction of the book curve the script will appear without distortion. The result is high productivity and preservation of books.

The quality of digital images depends on the quality of the optical lens, the built-in scanning technology and the precision of the mechanical / electronic components. The OMNISCAN 7000 scanner head was designed with a high-resolution lens, a precision mechanism to drive the high-performance CCD scan line, a 256 grey-scales feature and an optional electronic image correction of the book curve to guarantee superior scanning results. This means sharp and crisp images even from poor originals with low contrast, very fine lines or variable background density. Each captured image can then be processed with a powerful image enhancement software (optional: Contrast enhancement, rotation, deskew, despeckle, cut/mask, crop, etc.) Thus, poor originals can be improved to good digital images and hard copies, and the storage space will be reduced considerably at the same time.

### Features:

- 800 dpi scan resolution
- 256 grey-scales
- max. document size: DIN A1 (E-size)
- Automatic electronic image correction of the book curve (optional)
- Fast scanning: Approx. 3.2 sec (without pre-scan)
- Easy operation: Documents are placed face up on table or book cradle
- Careful treatment of books - no damage to binding - with modern book cradle technology
- Direct connection of a laser-printer for fast printing

## Specifications:

**Description:** High-performance “top light” scanning system for books, newspapers and large format documents (maps, drawings, posters).

**Size of Originals:** OS 7000: DIN A1/D-Size (841 x 594 mm) OS 7000 AO: DIN AO/E-Size (1188 x 841 mm); books up to 500 mm thick.

**Scan Head:** High resolution CCD line sensor, precision scan lens, autofocus (optional), field of depth approximately 50 mm/2 inches, bitonal, 256 levels of gray, electronic image correction of the book curve (optional).

**Exposure Control:** Automatic control, manual threshold overrun.

**Operation:** Easy operation via function keys and foot switch for scan exposure.

**Maximum Resolution:** CCD-line with 7500 pixel. Referring to original A4 (A) Size: 800 dpi, A3 (B) Size: 600 dpi; A2 (C) Size: 400 dpi; A1 (D) Size: 300 dpi, AO (E) Size: 200 dpi.

**Scanning Speed:** Approx. 3.2 sec. @ 400 dpi, approx. 6.5 sec. @ 800 dpi

**Scanner Interface:** SCSI-2-WIDE (16 bit) interface.

**Image Output:** All standard image formats: TIFF G4, JPEG, PDF, GIFF, PCX, etc.

**Server PC:** Recommended Configuration: Pentium, PCI-BUS, 128 MB RAM, 3 GB hard disk, Windows NT, Windows 95 or 98. Server PC optional.

**Application Software:** Optional application software and connection to document management systems.

**Image Enhancement:** Optional, e.g. contrast enhancement, rotation, despeckle, deskew, crop, mask, etc.

**Book Cradles:** Optional, ZEUTSCHEL models OT 180, OT 180 S or OT 90.

**Power Requirements:** 230 V, 50/60 Hz, 120 W. Other voltages on request.

**Dimensions:** Scanner (A1-version): 1600 x 900 mm. Height w/book cradle: 2100 mm.

**Accessories:** Document management software, image enhancement software, laser printer.



**Courtesy/Source:**

<http://www.best-tech.ltd.uk/1d45.htm>