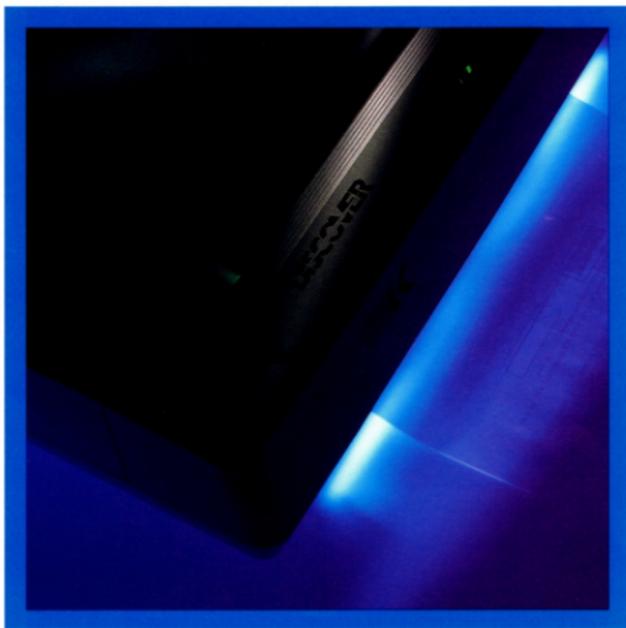


Kurzweil Computer Products

DISCOVER™
7320



**A whole new world
of hardcopy entry.**

Finally, there's an easy and affordable way to have hardcopy documents input on your PC—quickly and accurately. DISCOVER 7320 offers the capability on your PC of Kurzweil ICR technology for text recognition and graphics input—along with the convenience of desktop scanning.

For years, Kurzweil Intelligent Character Recognition (ICR) systems have set the standard for accurate, cost-effective document entry among printers, typesetters, universities and government agencies all over the world. Now DISCOVER makes Automatic ICR technology available in an affordable PC-based package—ideal for desktop publishing, database updating, word processing, graphics editing and a wide range of general office tasks. The result: time critical documents entered when you need them and at a cost much lower than manual entry.

Since DISCOVER is much more than a scanner, it can "read" much more than conventional OCR scanners can. Typeset or typewritten text including multiple typestyles on a page, and graphics—even when they are embedded within the type—DISCOVER can do it all while you keep working on other PC tasks *simultaneously*. Scanning and editing can be done at the same time: with Kurzweil's unique design, scanning is done *in the background*—making your single tasking PC do more than just a single task.

Powerful features for text and graphics entry.

- Reads virtually any typeset and office systems generated typestyle including italic, bold, proportionally spaced and underlined, in sizes from 8 to 24 point.
- Accepts documents from a wide variety of sources including offset printed, laser generated, photocopiers, letter quality dot matrix and impact printers.
- Reads all the characters including many special symbols and ligatures.
- Reads up to 60 characters per second depending on quality of original.
- Will digitize line and continuous tone artwork (with dithering) at up to 300 dots per inch (dpi) resolution.
- Works in a background mode under MS DOS 3.x.
- Accepts up to 10 pages at a time in the automatic document feeder.
- Maintains document formats and outputs to DCA and major word processing software formats.
- Runs on any IBM PC XT/AT or 100% compatible computer.

Integrated support for a wide range of applications.

Desktop Publishing

Many companies are using personal computers for desktop publishing—but with limited results. DISCOVER allows you to spend your time designing and paginating, not trying to get the text and graphics files entered. As a result, product manuals (including technical drawings), sales proposals—even promotional literature—can be customized, printed and distributed on demand.

Database Management

With improved software and storage capacity, PCs are being increasingly used in demanding database applications where timely information is crucial. DISCOVER streamlines the task of entering large volumes of information into such databases.

Word Processing & Document Conversion

Many vital documents originate outside your own organization and can't be scanned by conventional OCR scanners. DISCOVER can enter externally produced documents directly into your internal systems quickly—saving your concern regarding origin, typestyle or format—particularly when the document is on disks from "former systems."

Electronic Mail

At last there's a way to have the ease of use of a facsimile machine with the editing convenience of electronic mail. DISCOVER lets you enter and communicate editable documents from your PC to the rest of "your" world—saving your remote locations the need to re-type documents for further editing.

DISCOVER scans it all—typeset, typewritten and graphics—thanks to Kurzweil's exclusive ICR technology.



From ICR to IDP

By bringing Kurzweil technology to PC users, DISCOVER makes hardcopy input a part of an even larger picture: Intelligent Document Processing—a process that spans your entire organization and brings all its information resources together as never before.

IDP represents a unique combination of innovative technology and office systems integration.

DISCOVER is a complete system: scanner, co-processor board, character and graphics recognition software, output formatting software, and complete documentation.

And what better place to start implementing IDP than right at your own personal computer? After all, the more information you get into your PC, the more you'll get out of it.

Kurzweil's DISCOVER. A whole new world of hardcopy entry.

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185 Albany St., Cambridge, MA 02139—(800) 843-8031
(in MA—(617) 864-4700), FAX (617) 864-4186

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**Automatic PC document
entry system**

DISCOVER™ 7320

DISCOVER 7320 is a fast, convenient desktop system that provides automatic entry of typeset or typewritten text and graphics into personal computers. DISCOVER combines Kurzweil's exclusive Intelligent Character Recognition (ICR) software, graphics capture capability, PC processor board and a desktop scanner. The result is a system ideally suited to a wide range of PC and PC network applications entry including desktop publishing, database management, word processing and document conversion and "editable" electronic mail. With DISCOVER your documents can be sent to the rest of your organization through the use of your PC's communications, network access or other system programs supporting PC generated files, including mainframes, minis, OA systems and typesetting systems.

System Highlights

- Automatic operation—no character training for recognition
- Capture of both text and graphics
- Background operation—run other applications on the PC while DISCOVER is scanning
- Menu driven user interface—easy to operate
- Run other PC applications from within system menus

Text Recognition Capabilities

- Automatic text recognition: 8 – 24 point typeset or typewritten documents
- Virtually any typefont and typestyle including italic, bold and underlined
- Text sources capable of being read: Typesetter, typewriter, offset printing, photocopies, laser printers, impact printers (incl. proportional spacing) and letter quality dot-matrix printers
- Ligatures and special symbols

Graphics Capture Capabilities

- Raster image (bitmap) of line art and continuous tone (with dithering)
- Up to 300 dot per inch resolution
- 15 levels of contrast control
- Output formats include PCX (for PC Paintbrush™ and Ventura Publisher™), RES (for Xerox electronic publishing systems), and TIFF format (for Pagemaker™)

Operational Features

- Automatically avoids graphics, rules and noise (page "dirt") in text mode
- Page zoning to capture identified "window" of text or graphics
- Alphanumeric, Alpha only or Numeric only recognition modes
- Function key shortcuts to run scanning and conversion as well as third party applications software (e.g., word processing, communications) or DOS
- Up to 10 page document feeder: alerts operator when more pages are to be added without need to exit other applications software operation
- Page collation for duplex (two-sided) documents
- 50,000 word system lexicon with ability to add user defined lexicons (up to 10,000 words each)

Document Formatting

- DCA, User definable and support for third party conversion software packages
- End of line/paragraph/page
- Tab codes: center, left, right, decimal and block indent
- Underline codes
- Vertical and horizontal space compression for database entry

Software

- Kurzweil Automatic Intelligent Character Recognition software for text
- Graphics capture with user selectable output resolution
- Document format conversion capability—user definable or to DCA
- Runs under MS DOS 3.0 or higher

System Components

- PC bus co-processor card with scanner interface (takes one slot)
- 300 dpi desktop scanner with automatic document feeder (10 page capacity)
- System software
- Runs on IBM XT/AT or 100% compatibles

PC Paintbrush is a trademark of Z-Soft.

Ventura Publisher is a trademark of Xerox Corporation.

Pagemaker is a trademark of Aldus Corporation.

**KURZWEIL
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