Introducing the A.B.Dick
MAGNA III
Information-Processing System.

The new
A.B.Dick Magna III System
plugs you right
into the future.

The A.B.Dick Magna III could be the most flexible word-processing system in the world.

The Magna III is a powerful shared-resource system. The newest member of the growing A.B.Dick word-processing family.

From the leading edge of word-processing technology, we bring more power to bear on your electronic typing needs today. And allow you to realize the full promise of word processing in the future.

Designed for your needs today. The Magna III system fills the bill for small- or large-volume typing—from general correspondence to legal documents to complex statistical reports.

Every station has its own intelligence for stand-alone service, yet can also work in conjunction with others.

Designed for your office of the future. The Magna III System is compatible—and extendable—with the present-day A.B.Dick Magna I, Magna II and Magna SL Systems. It already accepts Twin-Track™ and Wide Track™ printers.

In the future, its modular design will expand to interface with matrix printers, intelligent copiers, hard-disk storage, communications concentrators, micro-computers, phototypesetters, microfilm systems and OCR's.

Flexibility, based on proven equipment. The Magna III software-based system is the next logical step in a proven line of A.B.Dick word-processing equipment.

Commitment, based on your satisfaction. We know of no other organization that offers the unique A.B.Dick blend of broad product line, in-depth experience and dependable support services.

We have an unsurpassed reputation for customer training support, both initially and in follow-up services. Our Marketing Support Representatives (MSR's) are always available to provide advanced training and to help with on-stream applications.

And since A.B.Dick offices are strategically located around the world, we are exceptionally well-equipped to respond to your word-processing needs. Quickly. Efficiently. Affordably.

Many organizations promise to satisfy. A.B.Dick has the credentials to realize that promise. In full.

THE MAGNA III SYSTEM

The Magna III system packs the features that pack in more word power.

Security. Confidential reports <u>stay</u> confidential.


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LEFT MARG = 10      LINE LENGTH = 72      ADJUST ZN = 6

  PITCH = 12        LINE SP = S          HALF INDX = 4

PAGE LENGTH = 54    FORMS CT = 66        CR/TAB = TAB

     END-OF-LINE MODE = N      STN MODE = N

   GO TO = E     WORK DISK = 1      GLOS DISK = 0 OFF

Y PRTR = 254    TYPING GRID = 12   PROMPT POS = 10   BEEPER

              TAB SETTINGS = 5
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Assemble Text. Automatically selects proper paragraphs. Or puts together <u>new</u> documents, selecting individual paragraphs from existing pages or stored text.

Write Protect. Guards your master documents. Anyone can access, read and use them, but no one can write over them.

Brown-out warning system. In case of power reduction, the Magna III system alerts the operator to store any text on display, reducing chances of keystroke loss.

Locked-in disks. Door locks—activated during disk functions—eliminate any possibility of removing disks from the drive once a document has been sent to the printer.

Keeps instructions handy. At the push of a key, a complete list of instructions appears on the screen. This kind of human/machine interface (HMI) was vital to the development of the Magna III—and is intrinsic to its ever-increasing efficiency.

Communications software. On every Magna III operator station, software is provided for communications using interactive, asynchronous ASCII, at speeds up to 1200 bps.

Instant access. Finds documents and pages fast. Tells you the last time a document was modified. And makes it easy to access any document, or page within that document, on the spot.

List processing. Randomly selects items from master list—names and addresses, or inventory parts, for example—then sorts them alphabetically or numerically.

Additional features of the multi-faceted Magna III system give you even more flexibility.

- Background Merge—While the operator does one job, another can be in the works.
- 401-Character Writing Line—For accounting and statistical work, using a Wide Track™ printer.
- RS-232 Communications Port—A standard feature, built right into the operator station.
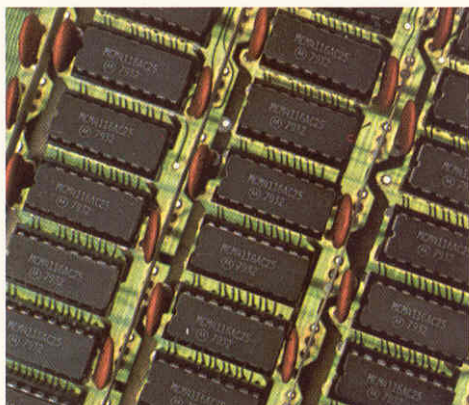
- Segmented Save Memory—Gather the data you want, and store it in one of the Magna III's many storage areas, till needed.
- Document Pagination—Automatically reformats a file, placing headers and trailers where you want, makes allowances for widows and orphan lines.
- Search and Replace—Automatically search and replace five different strings of text at one time. Can be an interactive replace for special applications.
- Overstrike—Allows two characters to occupy the same space.
- Right Justification—Automatically justifies text at the right hand margin.

Magnetic-card compatibility eliminates conversion problems.

Through a standard communication feature, the Magna III system accepts text from magnetic cards recorded on the A.B.Dick Magna I and II and IBM equipment. Transfers data to the Magna III—and back to the Magna I or Magna II, if desired.

The Loop Concept: Key to Magna III flexibility.

The A.B.Dick Magna III is a shared-resource system. The Loop concept is central to its productivity and profitability.

The principle is simple. You connect your last station to your first. To start your system, the Magna III consists of an operator station (movable keyboard and 20-line CRT). A Twin Track™ Wide Track™ or standard text printer. And, of course, 5¼" diskettes which are double-sided, double-density, and store up to 273,000 characters each.

The Magna III is a "smart" system. An advanced, stand-alone system that also performs brilliantly as part of a high-level, multiple system.

Each station, including the printer, has its own intelligence—microprocessors that give it a mind of its own. So you can perform a number of functions at the same time, from various parts of the system.

And each station can function independently, even if others in the system should be down or working on another program.

Yet, when linked by a common cable—or Loop—your stations can provide an incredible range of efficiency-boosting options. Simply connect your input, output and storage devices along with other office equipment, and you can:

- Share or utilize equipment more efficiently.
- Speed up decisions.
- Deliver special messages instantly.
- Increase productivity.
- Share data, text or files.

Dozens of stations within your Loop. The Magna III system can contain many stations within a Loop. Up to 255 theoretically. But current customer needs are for 25 to 30 stations.

You can Loop from 8 to 4,000 feet of cable between stations. With cable-box accessories, you can expand your cable to almost any length between stations. From building to building or country to country, you can use telephone lines with a modem.

You can totally integrate your departments, saving time and dollars. Sending instant messages, legal can get information from marketing, engineering from manufacturing, and so on,

within The Loop.

"Electronic mail" will play a major role in the office of the future. But your Magna III system lets you enjoy its initial benefits right now. When a rush document can't wait for interoffice mail, you can message anyone on The Loop to access it—instantly.

The Magna III makes it easy to relay information. Each station has a distinctive address, just like your home or office. Correctly coded, your message is transmitted directly to the designated station.

THE MAGNA III CLUSTER
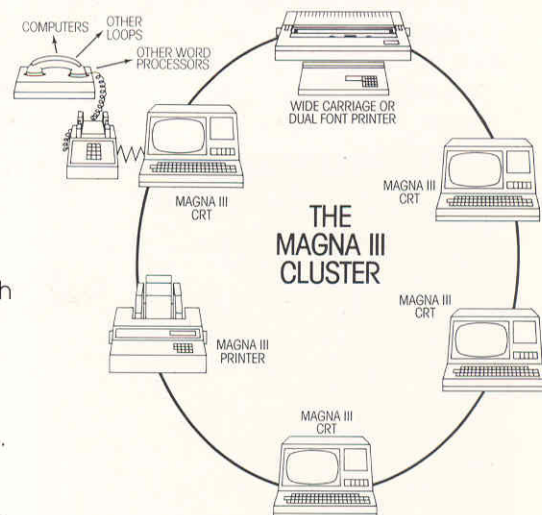
The Magna III Text Printer accurately delivers the hard copy everything else has led up to.

The Magna III information-processing system currently accepts different text printers: Standard size, Wide Track,™ Twin Track.™ And will accept matrix printers and intelligent copiers in the future.

Every Magna III Printer has its own built-in intelligence, four-character L.E.D. message display, and an 18-key pad. Along with routine messages, such as what paper or ribbon to use, this "brainy" printer instantly alerts operators to possible errors.

Using the key pad, you can store paper, ribbon and printwheel values in the printer memory, to recall and match any current document in the future.

Applying its own intelligence, the printer automatically checks these values, which are stored with each document. If they match, the document is printed. If they don't, the printer tells the operator it needs attention.

The Magna III Printer:
(1) Prints documents from any operator station in The Loop.
(2) Accepts operator-generated typing directly from the CRT keyboard.
(3) Queues up to 20 documents to any printer, from any operator station.
(4) Offers variable line-spacing, variable half-index spacing and variable pitch. (For printing complex formulas and research data.)
(5) Accesses documents for printing independent of operator station.

The A.B.Dick Sheet Feeder helps prevent bottlenecks where your words get into print.

This indispensable accessory helps your Magna III system achieve its full potential. It adapts to standard, Twin Track™ and Wide Track™ printers.

Convenient, two-tray operation. Dual trays provide flexible, cassette-tray operation. Feeder automatically selects the right paper for the job. Removes easily to allow manual insertion of oversized sheets.

Each cassette holds 250 sheets, for automatic feeding. A manual chute in the sheet feeder allows insertion of special forms by hand.

Easy-load cassette trays eliminate excessive paper handling; let you change paper quickly and easily.

The sheet feeder comes standard with two 8½" x 11" trays. Additional trays are available in 8½" x 11," 8½" x 14," 8½" open-ended and International A4 sizes.

A.B.Dick Magna III Specifications:
Operator Station: Weight: 100 lbs., Width: 24," Height: 16½," Depth (including keyboard): 22."

Printer Station: Qume Sprint 3, 55 cps, Max Writing Line: 13," Max Paper Size: 15½," Weight: 55 lbs. Width (including platen knobs): 23²/₅," Height: 7½," Depth (including power supply): 25¼."

Electrical: Operator Station: 110V AC, plus or minus 10%, 120V AC, plus or minus 10% at 2.5 Amps, 60 Hz, plus or minus 1 Hz. Printer Station: 99-132V AC, 2.5 Amps, 60 Hz, plus or minus 1 Hz. Humidity Range: 20% to 80% R.H. (Sheet Feeder: 40% to 80% R.H.). Temperature Range: 50° to 90°F/10° to 32.2°C.

ABDICK ®