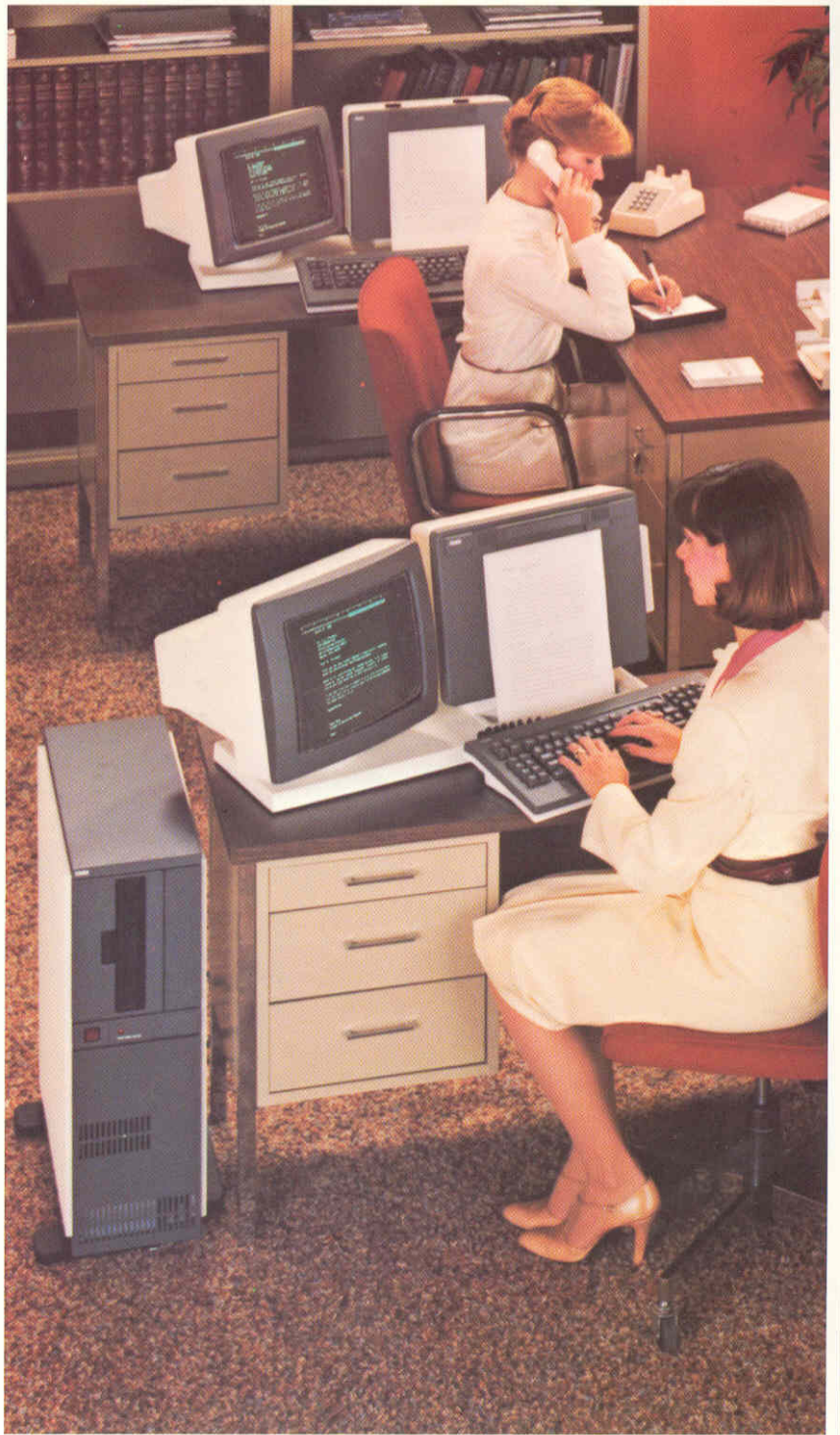




The NCR WorkSaver

The Core Memory Project



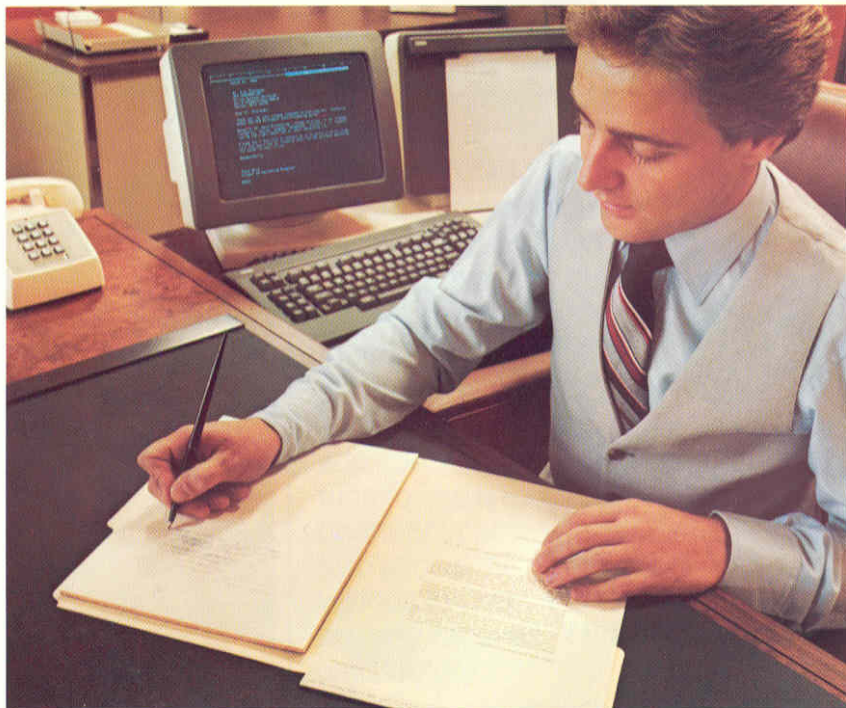
As one of the leading suppliers of information processing systems, NCR is dedicated to solving problems in the office environment. And NCR systems are designed for growth — so that what you install today will continue to serve you tomorrow.

NCR WorkSaver Systems have been designed with only one thing in mind . . . Increasing Productivity.

The WorkSaver helps streamline your standard office procedures by eliminating repetitive and redundant tasks. And, as your requirements expand, your WorkSaver System can grow with you — easily and economically.

NCR WorkSaver Systems consist of a family of intelligent, display-based, multi-function WorkStations.

Incorporated into the design of every WorkSaver WorkStation are characteristics that help create a friendly operator environment to promote fast learning and efficient use. *Ergonomics* is the scientific name for this human-machine design, but we refer to it as “ease of use”.



WorkSaver Word Processing

The Core Memory Project

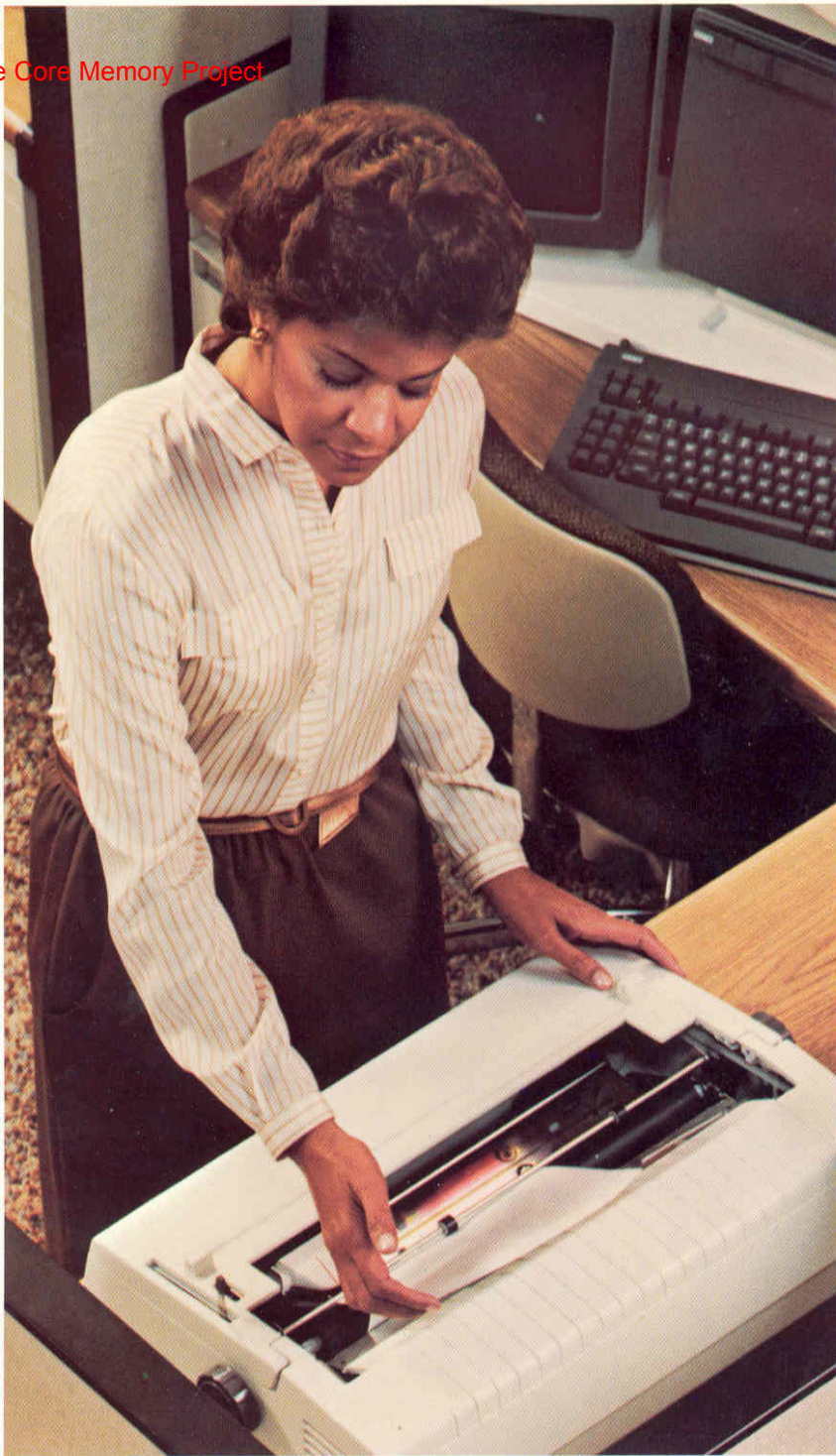
A software program called WordReady gives NCR WorkSaver full word processing power, providing the operator with the ability to create, edit, print, and store virtually any type of document . . . from a one page memo to an entire manual. Special WordReady features such as "Help", "Undo", and "Windows", provide an approach to advanced capabilities not available in most other Word Processing systems.

WordReady Capabilities

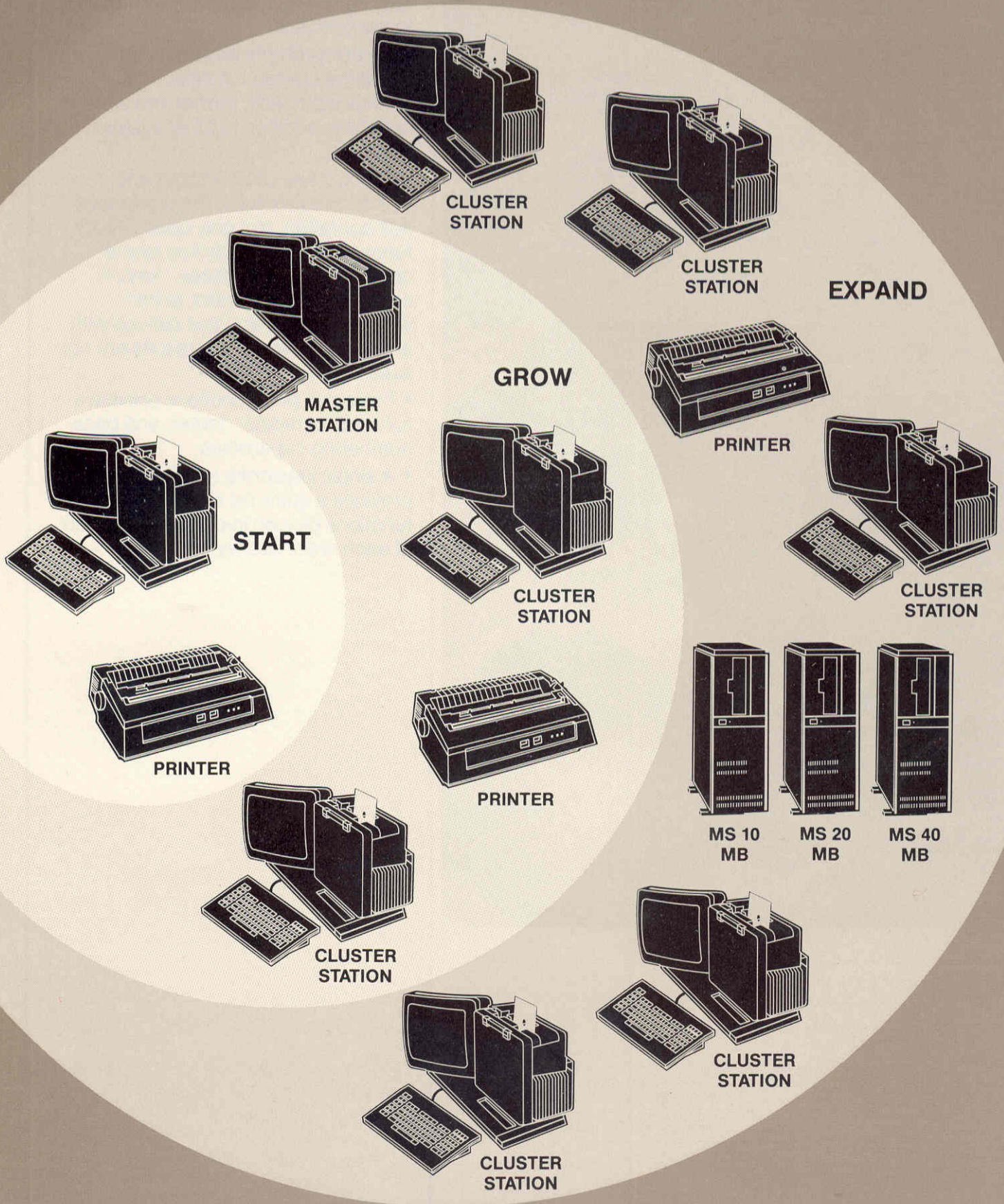
WordReady is a better way of handling office paperwork in a system that incorporates the most advanced features in hardware and software design.

Among WordReady features are:

- The ability to open "windows" and display several documents at one time. With more than one document displayed on the screen, moving or copying text from one to the other is easily accomplished. A single document may be "split" on the screen or, a screen may display two views of one document plus another document. In all, six viewing windows may be open at one time.
- Extensive formatting capabilities allow even complex documents to be easily set up on the screen. And, as the document is viewed by the operator, each format change is reflected in the carriage scale at the top of the screen.



- Automatic directory of documents stored on any disk or diskette device in the system, with both a short and long form, provides total information to the operator.
- Screen prompts and messages assist the operator in selecting various input, edit, format and storage options in addition to other system functions.
- A single key UNDO command which recovers back to the previous edit operation. Not only does UNDO function as a recovery key (some operators call it an "oops" key), it also allows the operator to test various formats and text set-ups with an easy recovery if the results are not satisfactory.
- Extensive print functions provide a full array of header, footer, and page-numbering capabilities.
- A single keystroke HELP key provides a quick list of WordReady functions plus an in-depth description of each one if desired.



Adaptability and Expansion Capabilities

The architectural design of the NCR WorkSaver allows a high degree of configurability. The system adapts to today's requirements yet retains built-in flexibility to expand and grow. There is no penalty for growth with WorkSaver — users may start with a single WorkStation and grow to a large multi-station cluster without trading out a single component.

Each WorkSaver has its own memory and processor and does not rely on a central source for processor logic. This places the power at the user WorkStation where it is needed and maximizes throughput. Systems are easily installed today to meet your current application needs. Importantly, WorkSaver also establishes a foundation that can answer your application requirements of tomorrow.

Ergonomic Design

Ergonomics is the science of optimizing the human-machine relationship, or, in other words, "making the machine friendly." NCR WorkSaver Systems are designed with sensitivity to the needs of the operator.

Each WorkSaver establishes the ideal spatial relationship between eye, screen and the document holder or lectern. This constant focal length reduces operator fatigue during periods of extended use. Noise output is extremely low, making the user environment quite pleasant.

The WorkSaver presents a low profile that does not dominate the office decor. Modularity of design permits adjustment of the various WorkSaver elements. The non-glare screen may be tilted and rotated; the keyboard may be moved up to five feet from the display. WorkSaver creates a friendly environment that promotes comfort and fast, efficient mastery of the system functions.

The NCR WorkSaver allows you to start with a single user WorkStation and expand as your needs grow. . . without having to purchase more capability than you require, or trade out any components as you expand.

System Overview

The Core Memory Project

NCR WorkSaver Systems have three major elements: WorkStations, Mass Storage Units, and Printers.

WorkStations

The display-based WorkStation is the heart of the system. It includes a functional lectern, a keyboard, and a video display.

The lectern houses the processor, memory, peripheral interfaces, and local mass storage devices. It also serves as a document holder. The low-profile detached keyboard retains a standard typewriter format augmented by logically placed control keys to access special functions. The display presents unusually clear character images. WS-100 Series WorkStations display 80 columns and 28 lines while the WS-200 Series WorkStations display 80 or 132 columns and 34 lines. Both Series provide horizontal scrolling capability up to 256 columns.

The new WS-140 WorkStation supports from 256K to 512K bytes of RAM memory, and one mini-flexible and one mini-Winchester drive with a total formatted capacity of 5.3 megabytes. It can be used as a stand-alone system, or as a master station supporting several cluster stations, or as a cluster station with local mass storage.

Mass Storage Units

Mass storage units are designed to be either separate floor-standing units or integrated into the lectern on certain WS-100 models. Integrated storage is available in single or dual mini-diskette configurations with approximately 200 or 400 pages of storage respectively. The floor-standing units provide several models and two types.

Base storage units provide a single floppy disk drive with 200 pages capacity plus a sealed disk with 10, 20 or 40 megabytes. Mass storage expansion units, which do not include the diskette, are available in like capacities. The maximum storage configuration is in excess of 40,000 pages online.



Printers

Low, medium, and high speed printers provide letter quality output to satisfy the needs of the office environment. Printers available work at speeds of 20 characters per second (cps) 30-35 cps, and 50-55 cps. This range is certain to satisfy the needs of any office environment.

Printers in a cluster may be shared by all WorkStations. In addition, printers can be directly connected to certain WorkStations, when dedicated output is required.

A full complement of options and accessories are available to enhance the printing function. These options include cut-sheet feeders, envelope attachment, forms tractors, and a variety of print elements and ribbons.

Communications

NCR WorkSaver Systems have the capability to communicate with other WorkSaver Systems, as well as with NCR and other host computers. Information can be communicated using either 2780/3780, 3270, or asynchronous (TTY) protocols.

MULTIPLAN™*

MULTIPLAN is an easy-to-use electronic spread sheet that can replace pencils, pens, programmable calculators and endless hours of estimating and planning. It's a tool that can be used in almost every management and decision-making situation. Forecasting Business Trends, Capital Management, Department Budgets, Tracking Expenditures, Production Management, and a host of "what if" situations are just a few of the many applications possible with MULTIPLAN.

*MULTIPLAN is a trademark of Microsoft, Inc.

Summary

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The NCR WorkSaver forms a true multi-function, shared resource product family. In addition to supporting office functions with the WordReady word processing capability, WorkSaver supports several high level programming languages, a full assortment of program development tools, and data management facilities.

Installation and Training

The latest innovations in component technology allow WorkSaver to be easily installed in the office environment. These same technical innovations maximize the system's availability.

Should a problem develop with your WorkSaver System, extensive diagnostic capabilities are available to allow quick diagnosis and easy resolution of the problem. NCR's experienced Field Engineering personnel are available in thousands of locations throughout the world.

A comprehensive training program is available for the WorkSaver user. It is a self-paced, modular program, integrated to make maximum use of the WorkStation. Designed to be used by experienced and novice users alike, the WorkSaver Training System will enable an operator to become productive in an amazingly short time.

NCR WorkSaver Systems are designed to increase office productivity.

- Special features provide unique advanced capabilities.
- Six viewing windows provide ease of operation.
- Extensive formatting capabilities provide complete flexibility.
- Screen prompts and messages contribute to operator efficiency.
- Ergonomic design promotes operator comfort and ease of use.





The Core Memory Project



NCR Corporation develops, manufactures, markets, installs, and services total business information processing systems for selected worldwide markets. These markets are primarily in the retail, financial, commercial, industrial, health-care, education and government sectors.

The NCR total systems concept encompasses one of the broadest hardware and software product lines in the industry. NCR computers range from small business systems to the most powerful general-purpose processors, and are supported by a complete spectrum of terminals, peripherals, micrographic products, data communications networks, and an extensive library of software products. Supplemental services and products include data centers, field engineering, systems services, educational centers, and a comprehensive line of business forms and supplies.



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