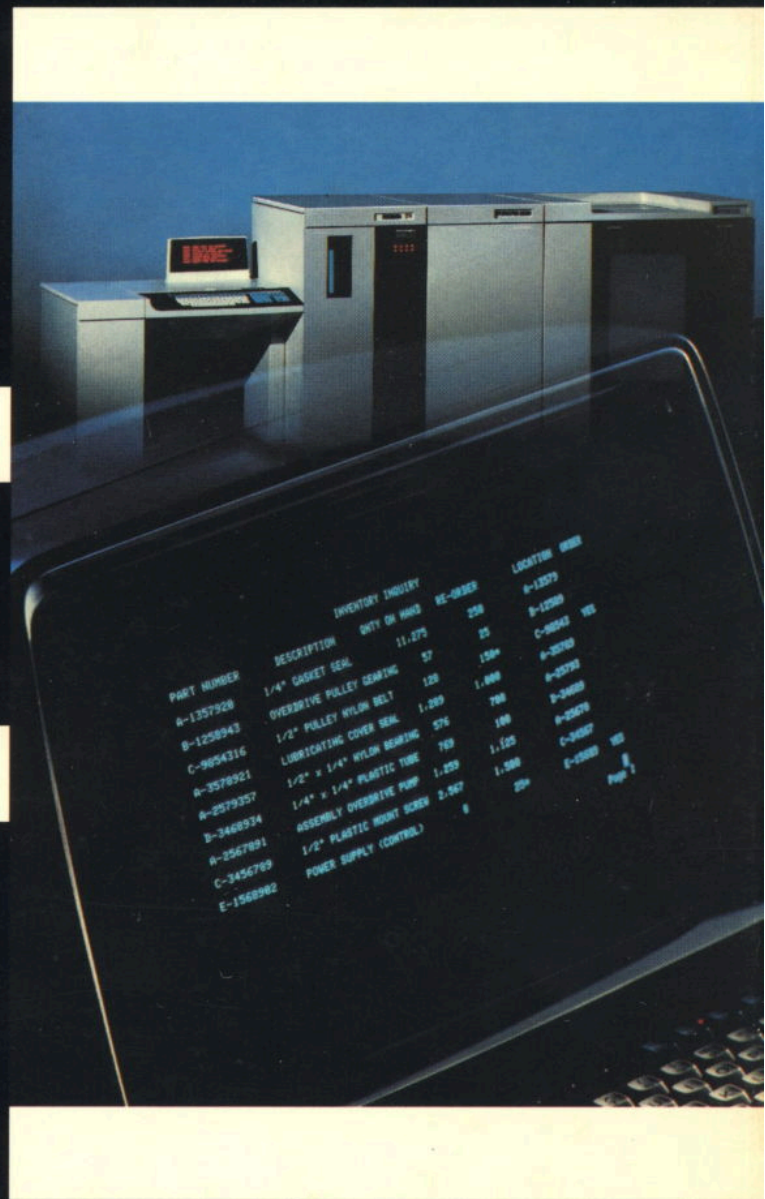


BURROUGHS B 800



You install a computer system to achieve specific results. You want accounting activities completed faster and more accurately. You want records continually updated and maintained. You want management reports to help you manage your operation more efficiently.

Your computer must be simple to use, so present employees can be quickly and easily trained to operate the system.

And when you buy a computer, it must be designed, built, installed and supported by a company with years of proven computer knowledge and expertise.

*Your new computer system. It must be **Burroughs B 800.***

This small-scale system delivers the results you need — both today, and in the future. The following pages detail the advanced features the B 800 offers. And a Burroughs representative can provide further information and a demonstration upon your request.

BURROUGHS B 800

**Productive
Powerful**

Burroughs B 800. A small-scale computer, yes — but with large-scale computer advantages and features available for the first time in this size and price range.

For instance, the B 800 provides the user versatility in data processing, offering a variety of capabilities which allow you to tailor the system — easily and economically — to your specific data processing needs.

Behind that versatility is power. Power which enables the B 800 to simultaneously execute multiple jobs — without operator intervention — through a capability called Dynamic Multiprogramming. B 800 power is utilized to maximum efficiency, as all the system's resources are allocated automatically where they're needed most.

Because much of the operator's tasks are assumed by the B 800, the system is easy to use; your present employees can be quickly trained to operate the B 800.

You will find the establishment of a decentralized or data communications network — as well as growth to Burroughs larger B 1800 — economical, as both the B 1800 and the smaller B 80 are fully compatible with the B 800.

Through the common use of Burroughs Computer Management System —

unique to the computer industry — all applications,



operating software and high-level languages are the same for the three

systems. This compatibility allows you to grow through the entire range without any additional expense in software.

These features, not found on other systems of this size and price, are vital to high productivity. They make the B 800 the small-scale system which is worth your investment, as that investment is protected while it pays off in continuous, long-lasting returns.





Many small-scale computers may offer only one method of data processing, with a loss in productivity and efficiency if that one method does not best meet the requirements of the user. The B 800 offers a variety of data processing capabilities which may be utilized alone or in combination to best meet user needs. By providing this versatility in data processing, the B 800 assures its users of cost-effective results.

Real Time Interactive Data Processing

A customer requests a quantity of items. Your operator uses an on-line display and/or printing terminal to communicate with the B 800. Are the items available in stock? If not, when will they be? How quickly can the

BURROUGHS B 800

**Versatile
Powerful**

order be delivered? What is the price? Once these questions are answered, the order can be entered into the system and your information is updated immediately: for inventory control, the B 800 shows a new balance remaining in stock; for accounts receivable, complete billing information is recorded and immediately available.

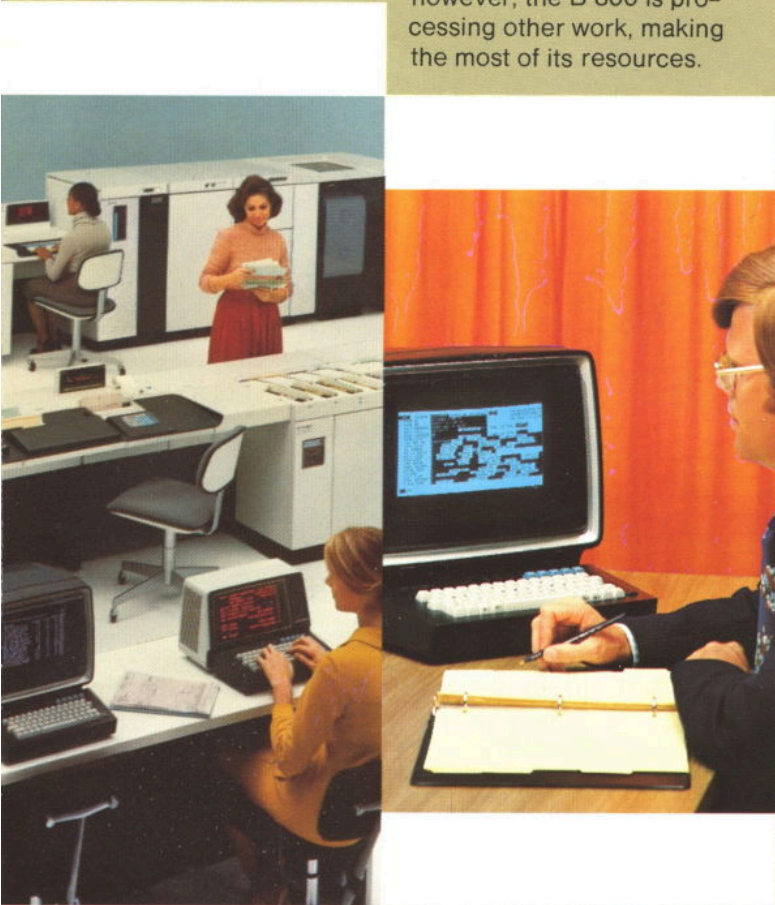
Real Time Interactive Data Processing means your information is always current and available. Each transaction, and its accuracy, is verified the moment it is processed. And you may communicate with and enter data into the B 800 from multiple terminals located at the system or at remote sites so you have the information you need — when you need it and where you need it.



On-Line Interactive Batch Processing

A member of your staff is preparing the payroll on a Direct Data Entry Station, building and editing files quickly, accurately and efficiently for subsequent batch processing. Several other employees are using Direct Data Entry Stations, on line to the B 800, to build and edit files on accounts payable and invoicing. Once all transactions are entered, the B 800 will batch process them. While the files are being prepared,

however, the B 800 is processing other work, making the most of its resources.



On-Line Interactive Batch Processing offers you an alternative to Real Time

Interactive Processing, as in some operating environments one may be more efficient than the other. This option allows you to meet your particular requirements with the most efficient data processing method.

Off-Line Batch Processing

Employees in your branch offices are preparing information on orders placed in these remote locations. They are using Audit Entry Data Preparation Systems to edit and capture

data on magnetic tape cassettes or mini-disks. Their use ensures accurate data input while producing a complete, printed audit journal of all transactions. Later, the cassette or mini-disk is sent to the head office to be processed.

Distributed Processing

Your business demands the benefits of computer power at both central and remote sites. You therefore might decide to locate a B 800 in your regional office, smaller B 80s in your branch offices and a larger B 1800 in the head office. Since these three systems in Burroughs "800" family are totally compatible — sharing common operating characteristics, applications, operating software and high-level languages — you are able to easily establish a decentralized network, putting computer power, the data base and files where they are needed. Or, when the systems are connected in a data communications network, your various offices have the data processing capabilities needed for efficient operation, while summary reports are available to management at your head office.

Financial Processing

In financial environments and applications, B 800 systems provide extensive MICR capabilities using Burroughs high-speed reader sorters or S 1000 Series proof management systems. The S 1000 systems blend document encoding preparation with data capture and data communications, to permit valuable documents to stay at the point of original entry and to transmit clear, complete code line data to the B 800 for more timely balancing and account updating; to increase electronic funds transfer capability; and to offer either a centralized, regionalized or totally decentralized approach to document processing requirements.

Console Processing

Two B 800 consoles are available on the entry level system, one a 120-character per second printing console, the other a 256-character display unit. Both styles can be utilized in Real Time or batch processing environments, featuring operator-oriented, high-speed electronic keyboards; operator guidance through a full console communication system; interactive verification of data; simultaneous printing or display with data entry; high visibility of all printed or displayed data; and an audible operator warning device for error detection.

Result: daily operations are handled quickly and efficiently, while comprehensive management reports are made available for better business management.

Burroughs unique Computer Management System spans the entire range of the B 80, B 800 and B 1800 systems and provides ease of use, economy and growth — advantages which are vital to immediate and lasting productivity. The Computer Management System offers the user complete compatibility throughout these systems, making the B 800 a truly versatile, performance-oriented system within this range. The three major components of Computer Management System are:

- **The Master Control Program**, which makes the system easy to use, yet powerful and productive. The automatic capabilities of the Master Control Program include:

- **Dynamic Multiprogramming** — more than one program may be executed concurrently, using the processor to maximum efficiency. This efficiency is further enhanced by the use of Reentrant Programs, which allow several

- **Operator Communication** — simple, clear statements are printed or displayed at the console by the Master Control Program, indicating that jobs have started or ended or, on request, the status of the jobs in the mix. The operator in turn communicates with the system via the Master Control Program by simply typing input messages.

BURROUGHS B 800

**Economical
Powerful**

people to share the same program in memory at the same time. Additional programs are started automatically, as resources become available, with no intervention on the part of the operator.

- **Virtual Memory** — a program is broken into logical segments automatically, and only those segments required for the execution of a particular part of a program reside in memory at a given time. Therefore, the B 800 is able to execute programs that are much larger than its main memory: *you save the cost of additional main memory.*

- **Dynamic Resource Allocation** — the Master Control Program maintains an inventory of all system resources available and allocates memory, peripheral units, disk file space and other resources automatically, significantly enhancing B 800 productivity and relieving the operator of this responsibility.



- **Burroughs Business Management System** program products further enhance the system's economy, as in many applications, BMS® programs can be used where costly custom programming would otherwise be required. BMS programs are available for a wide range of

organizations including wholesalers, distributors, manufacturers, hospitals, government, financial institutions, and many others. They provide the user management reporting capabilities to furnish, in addition to routine accounting documents, the information needed to manage successfully. And as your application needs grow, additional Business Management System modules can be added to existing programs without reprogramming.

•**Generative Software** further enhances the B 800's management reporting capability with such systems as REPORTER (REPORT writER), which permits easy retrieval of information from the data base. The B 800 user need not have detailed technical knowledge of the data or report formatting techniques. To communicate with the system, the operator builds a vocabulary in simple, straightforward terms. Once the report title, data to be reported, and required totals or statistics are entered, REPORTER generates the required report.

In addition to REPORTER, the Computer Management System also offers generative software by which the user can create input programs from the keyboard and work stations of on-line input devices.

B800 Growth Capabilities

When your overall data processing needs increase, the B 800's powerful capabilities can be easily expanded to accommodate them. For instance, memory, peripherals and subsystems can be added without reprogramming — the Master Control Program automatically recognizes these system changes and incorporates them into the system. You can increase the main memory capacity, processor speed, mass storage capacity, input and output capacity and establish a data communications or decentralized data processing network. Your B 800 is, therefore, always in step with your needs.

Present users of Burroughs B 700 systems benefit immediately from the growth capabilities of the B 800. All B 700 application program products are completely object code compatible with the B 800 : your investment is protected while you expand to the dynamic multiprogramming environment of the B 800.

Disk Storage

Up to four disk cartridge drives can be used with the B 800, with a combined capacity of 36.8 million bytes.

Or, a high-speed fixed disk drive subsystem may be used. A B 800 may use up to two drives with a combined capacity of 75.2 million bytes. This large capacity, high-speed disk storage system means that now even the smaller user can economically have his entire data base on-line at all times.

Additional disk storage is available with Removable Disk-Pack Drives. Up to four can be used with a B 800 with a combined on-line storage capability of 521.6 million bytes. In addition to its large capacity, this subsystem offers the lowest data storage cost to the user.

Expanding Input/Output Capability

Display and/or printing terminals can be added at any time to the B 800. These terminals, as well as the Direct Data Entry Stations, increase both input and output capability. The displays and printing terminals can be located in-house and at remote sites.

Up to two line printers with speeds of 160, 250, 350 or 750 lines per minute may be utilized to dramatically increase the output capability of the B 800 systems.

80- and 96-Column Card Readers are available for added versatility in input techniques.

Magnetic Tape Units may be employed for additional data storage capability and high-speed data transfer.

Inbuilt or separate stations for either Burroughs Super Mini-Disk or Industry Compatible Mini-Disk media prepared off-line on Burroughs Audit Entry Systems are available. Burroughs Super Mini-Disk can also be used as an economical load/dump device.

In addition, magnetic tape cassette drives can be used for accommodating input data prepared off-line on Burroughs Audit Entry Systems.

Data Communications

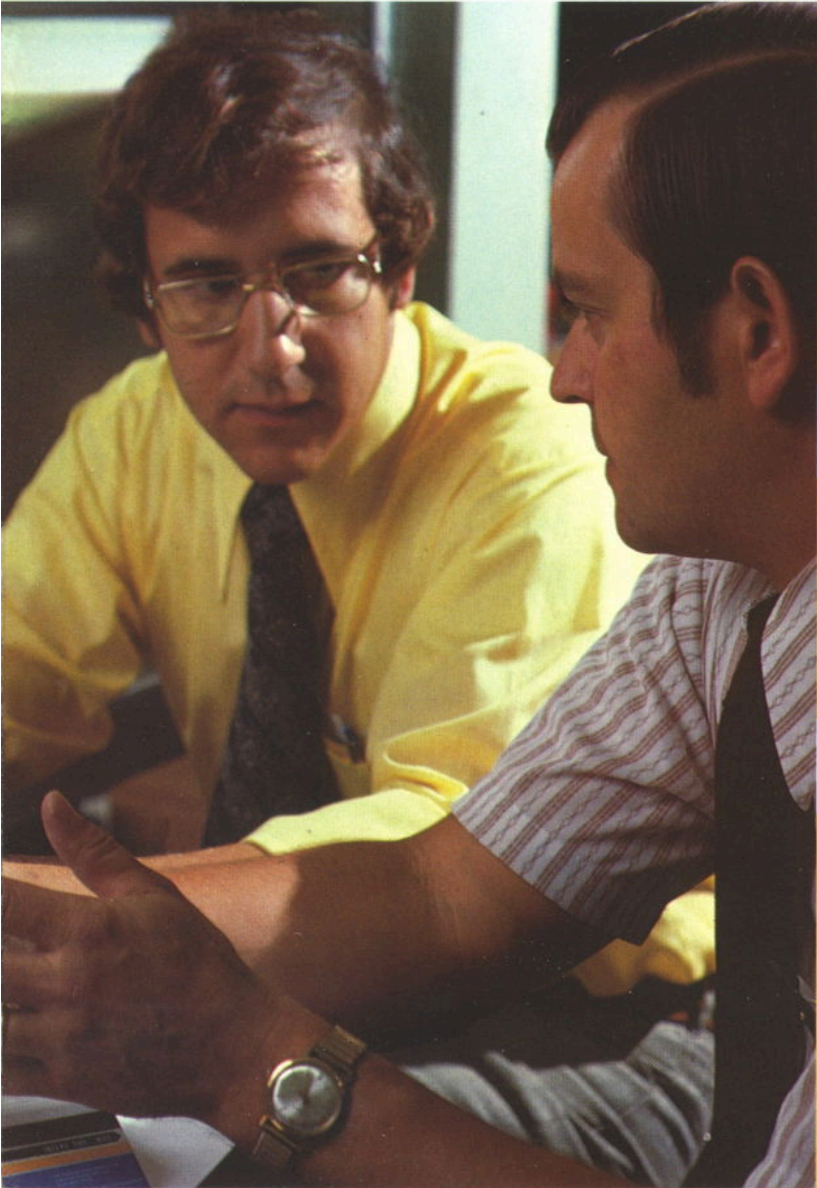
Data communications capability on the B 800 consists of four separate lines controlled by a separate 10 MHz data communications processor for greater efficiency and overall system productivity. The major advantage of the data communications processor is that it relieves the main processor from much of the work associated with handling on line terminals and thereby provides a faster response time. Use of data communications is facilitated by high-level languages specifically designed to ease implementation and changes in a data communications network.

Result: easy, economical growth for guaranteed system effectiveness today and in the future.









When you choose a Burroughs B 800 system, you get more than just a fourth generation computer — you get the company behind the computer. Burroughs is a world-wide company with over 90 years experience in the office equipment/computer field, a company with over 50,000 employees working to help your organization operate more efficiently.

An increasing number of organizations, such as yours, are becoming and *remaining* Burroughs users. Our high customer loyalty is the result of Burroughs emphasis on total customer and system support, coupled with our advanced product development. In developing new systems, software and equipment specialists work together to produce a total system. The B 800 is a total system, a blend of "hardware and software" which results in a most efficient

BURROUGHS B 800

**Reliable
Powerful**

and productive computer for the user.

Both the B 800 and its users are comprehensively supported by Burroughs Sales Representatives (professionally trained in the requirements of your particular business), Burroughs Field Engineers, Systems Analysts and Burroughs Training and Customer Support Centers. Burroughs is the single, convenient source for all necessary system hardware; for pre-installation guidance; for customer training; for applicational program products; for necessary product maintenance; and for necessary forms and supplies. A Burroughs system *remains* a Burroughs system through this single-source capability. And when the time for additional growth comes, Burroughs remains the source for larger, compatible computer systems.



PRINTED
IN
U.S.A.

7-10-7

20 11854