

small computer systems for better business management

# B700

BURROUGHS B700 SERIES



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**Burroughs  
B700 series...  
large system  
capabilities for the  
small-systems user  
who wants a simple  
and productive way  
to increase  
management  
effectiveness**

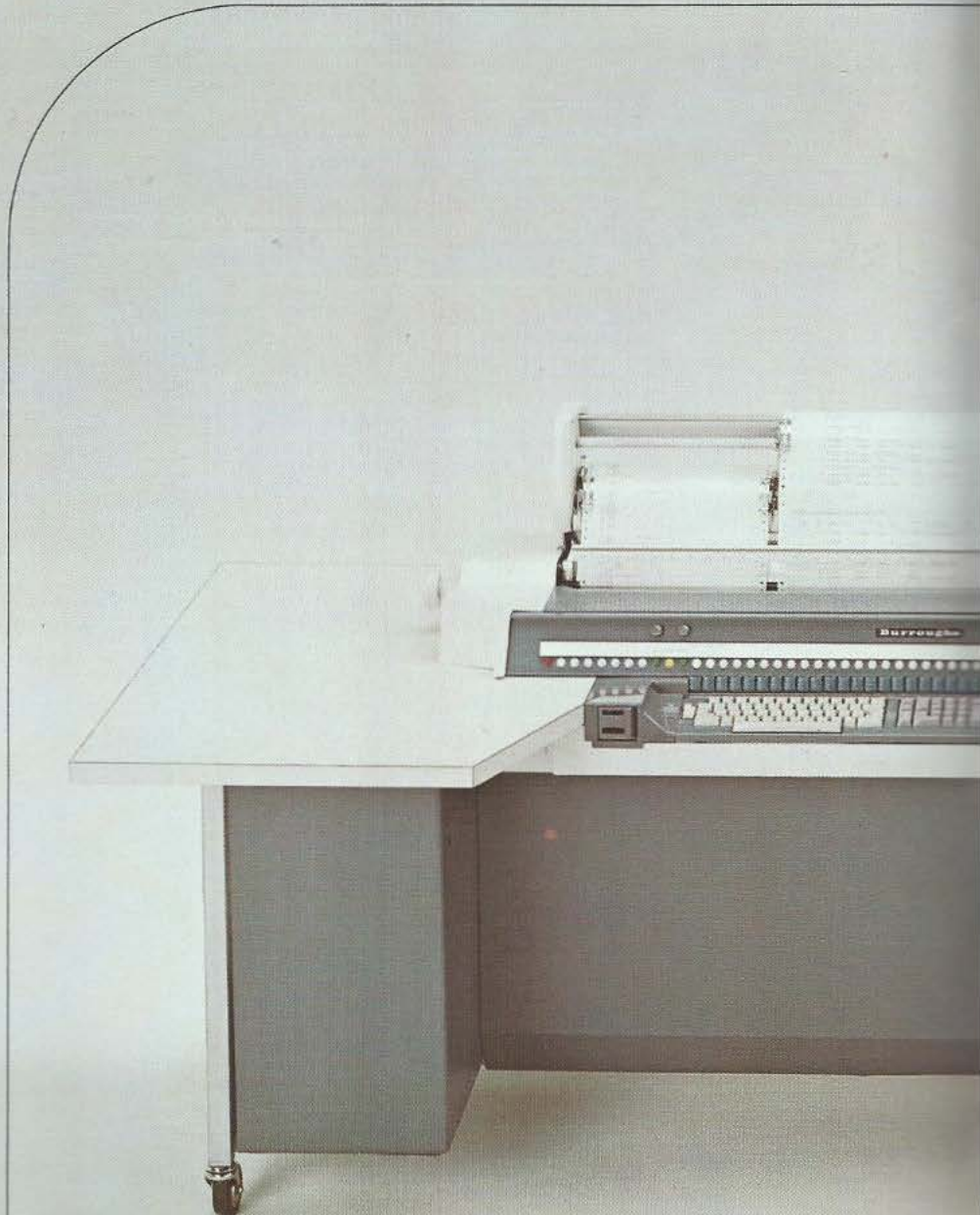
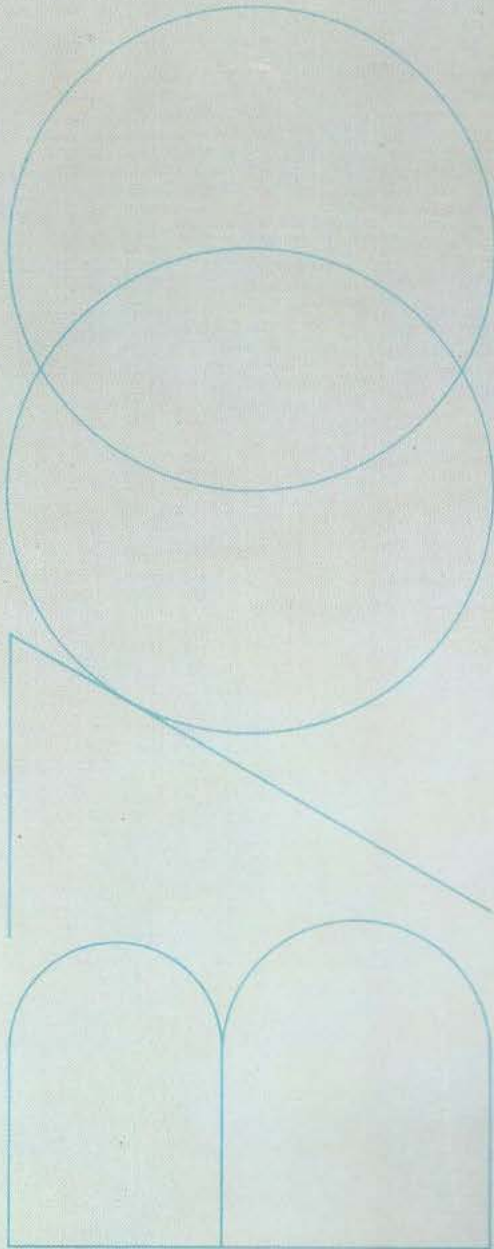
In the B 700 Series, Burroughs has applied its knowledge of large computer technology to better serve the needs of the small-systems user. The result is a significant breakthrough for the businessman who wants to efficiently organize and process an expanding accounting workload, and obtain valuable and timely decision-making information.

Whether you run your own business, or are responsible for a decentralized operation in a corporation, the B 700 offers a readily affordable opportunity to improve business management methods. It's a member of Burroughs comprehensive family of small systems for better business manage-

ment. Its advanced design combines the ease of operation of business mini-computers with the high productivity and flexibility of larger systems.

Of particular significance, the B 700 can be productive immediately. Ready-to-install Business Management Systems are available from our *BMST*<sup>™</sup> library of application program products. These program systems provide complete management information and tighter accounting control capabilities.

To the organization which has little prior experience in electronic data processing, the B 700's ease of use, plus the availability of Business Management Systems, offer a simplified and economical way to start.



To the many current small-systems users, the B 700 offers benefits in terms of immediate management-oriented results, increased cost/effectiveness, ease of use, and expandability for the future.

The B 700 features Audit Entry—a method of data input designed to assure the accuracy of information entered into the system. Audit Entry improves the efficiency of the data entry process, and of overall system utilization.

The B 700 offers exceptional productive power for a system in its size and price range:

- Advanced logic and memory design for fast program execution.

- A System Control Program, plus a unique Burroughs feature called Dynamic Interpreter Configuration, which simplify operation and optimize the internal processing environment to maximize results.

- A convenient “interrupt and resume” capability that permits a job to be stopped during processing, and saved, while a higher priority job is run.

- A high-speed disk cartridge data file memory subsystem that offers direct random access to all business records for updating, inquiring and report writing.

- An easy-to-use System Console for operator control, Audit Entry, inquiry and output printing.

- A broad range of advanced input and output subsystems that further enhance throughput and management reporting capabilities.

Basic B 700 configurations may be expanded at any time to accommodate increasing workloads. Burroughs design modularity assures continued cost/effectiveness.



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**Burroughs Business  
Management Systems . . .  
a direct route to  
better management  
information**

You can put the productive power of a B 700 right to work. Ready-to-install Business Management Systems from our *BMS*<sup>™</sup> library of application program products are available for a broad range of organizations. These program products provide immediate management-oriented results. They also offer substantial time and money savings to users who would otherwise develop and maintain their own programs.

**AN EXCITING CONCEPT . . .** The Business Management System concept is the result of Burroughs years of experience in working with the accounting and management reporting needs of organizations of all types and sizes. By choosing *BMS* programs, you benefit from an *integrated* business system. One in which application programs are not only designed to perform specific jobs, but to be interactive . . . so all of the major management reporting functions in your accounting activity are coordinated—from sales and expenses, assets and liabilities, to periodic financial statements.

COMPARATIVE PROFIT AND LOSS STATEMENT	DAILY OPERATING CONTROL REPORT
COMPARATIVE EXPENSE AND REVENUE ANALYSIS	JOB COST REPORT
CASH REQUIREMENTS FORECAST	DEPARTMENTAL LABOR ANALYSIS
GOVERNMENTAL REPORT	STOCK STATUS REPORT
BOND DEDUCTION ANALYSIS	AGED ACCOUNTS RECEIVABLE REPORT
PENSION REPORT	DAILY CREDIT MANAGEMENT EXCEPTION REPORT
AGED PAST—DUE INVOICE REPORT	SALES BY SALESMAN REPORT
VENDOR PURCHASE ANALYSIS	SALES BY PRODUCT REPORT
PRODUCT SALES REPORT	SALES BY CUSTOMER REPORT
DAILY PRODUCT REORDER REPORT	SALES BY GEOGRAPHIC REGION REPORT
LABOR AND MACHINE ANALYSIS	SALES BY CUSTOMER BY PRODUCT CATEGORY REPORT

In this way, the development of meaningful management information is simplified. You obtain the timely operating information needed to exercise control in guiding your business toward planned profit and growth objectives, plus the financial information needed to deal with your banker, accountant, attorney, and other business associates.

**GENERATE THE MANAGEMENT REPORTS YOU NEED . . .** With Burroughs Business Management Systems, you can generate comparative operating reports, budgets and forecasts; day-to-day updates of business progress; analyses of sales, manpower utilization, cash requirements and liabilities; inventory and production control reports; current and comparative financial statements, and other vital action information.

**SELECT PROGRAMS BEST SUITED TO YOUR ORGANIZATION . . .** The *BMS* library contains a wide variety of programs. You choose the programs best suited to your needs in making up your own Business Manage-

ment System. The number of programs will vary, depending on the type of business and the extent of your requirements for information. You can easily change or add new programs in the future.

**ECONOMY NOW, AND IN THE FUTURE . . .** Burroughs Business Management Systems are of special value to the organization which does not normally employ a professional data processing staff. They mean you may start into data processing with your present staff. You can continue to use *BMS* programs, or develop programming skills within your organization on a planned, orderly basis.

Your programming investment is protected, too. Burroughs program products are written in COBOL and RPG. These high level program languages are easy to understand. They enable you to more easily and economically develop your own programs. And they make future transfer to a larger system easier and more economical.



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**the B700 series...  
advanced design  
provides high  
throughput plus  
operating simplicity**

The B700's internal design features many elements of advanced EDP technology. This internal sophistication is directly responsible for the B700's high productivity as well as its external operating simplicity. As a result, your people can learn to operate the system with only a few days' training.

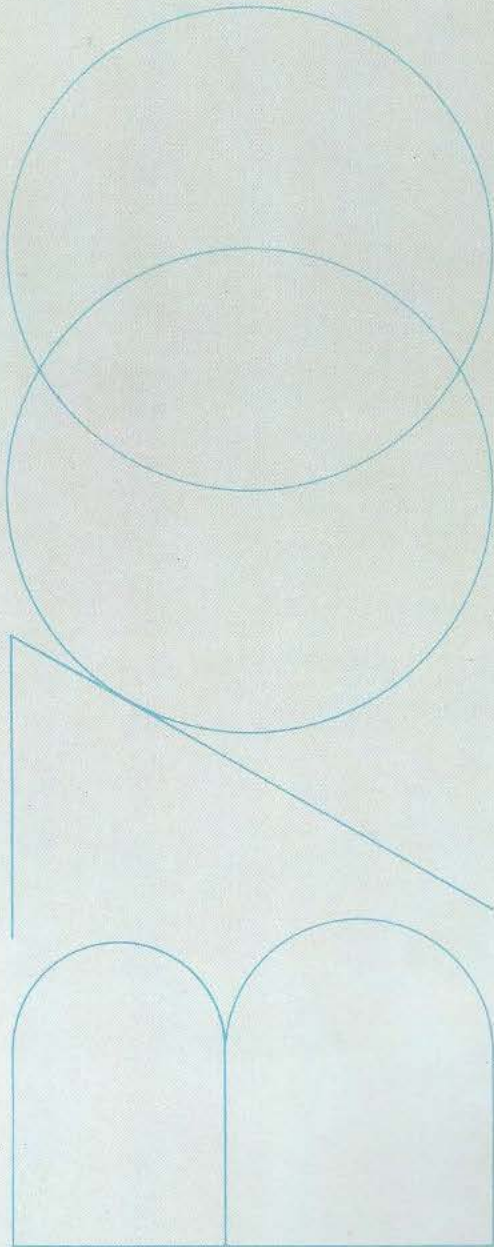
**POWERFUL AND PRODUCTIVE PROCESSING . . .** Advanced design elements give the B700 exceptionally productive and flexible processing capabilities for its compact size. They also provide ease of operation plus high reliability.

An internal operating system, called the System Control Program, makes the B700 easy to use. It exercises pro-

grammatic control over the operation of all system components and all input/output subsystems. It also provides step-by-step guidance to the operator during system operation.

The processor's logic structure provides powerful and flexible decision-making abilities. It incorporates a unique performance feature, Dynamic Interpreter Configuration, to maximize throughput. This exciting feature automatically varies the logic structure to best fit the particular requirements of each application program.

Dynamic Interpreter Configuration maximizes the availability of main memory for storing application programs, maximizes the availability of



productive resources, and speeds program execution time. Through this efficient utilization of memory and resources, your overall system investment can be minimized while processing results are maximized.

**LOW-COST, HIGH-SPEED AUXILIARY MEMORY . . .** High productivity also results from the B 700's Disk Cartridge Drive. This compact memory subsystem provides high-speed access to master files, data files and application programs. Its most important function is the permanent storage of your business records. One compact 4.6 million byte disk cartridge may hold the equivalent of up to 25,000 ledger cards of information. New disk

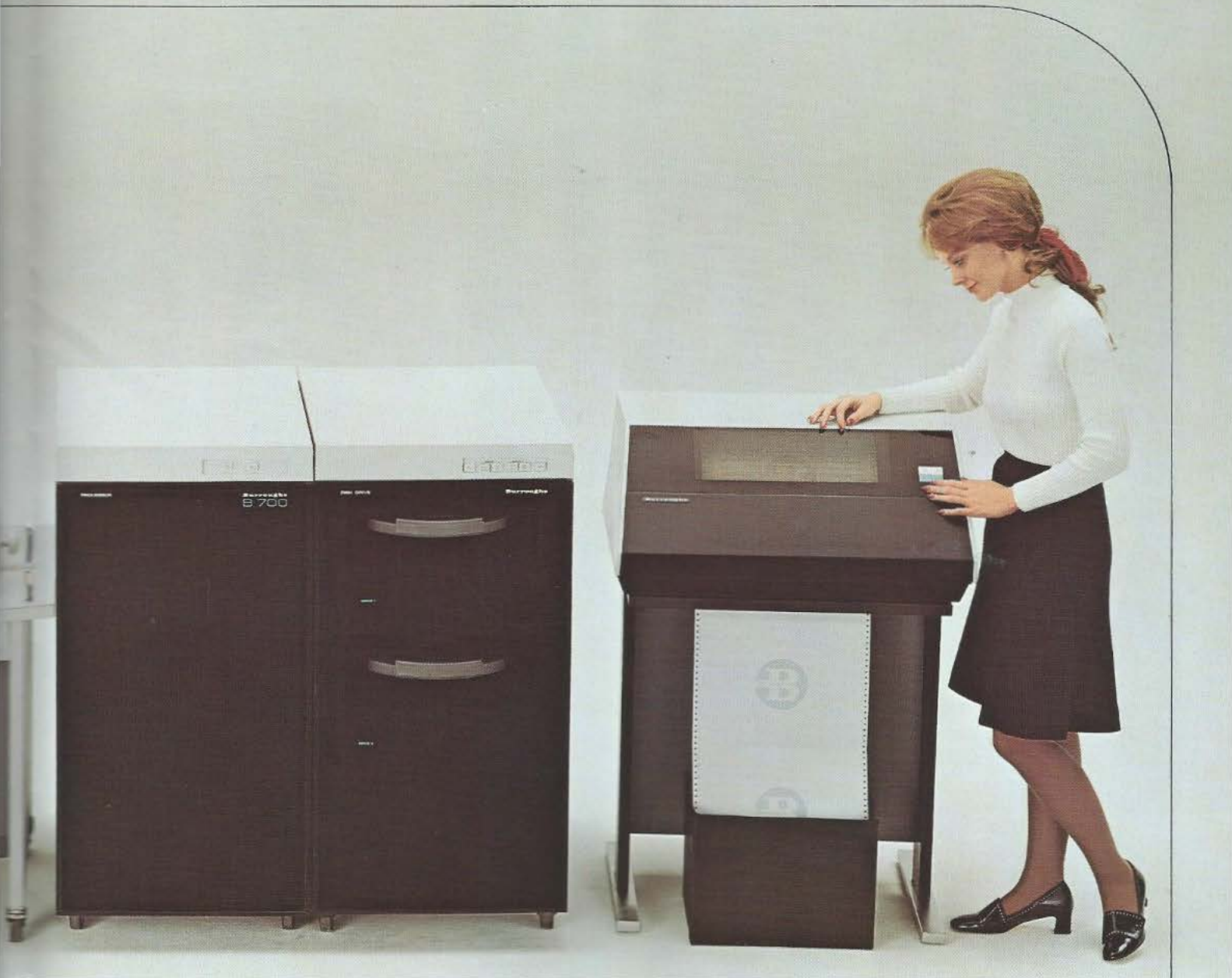
cartridges can be added to increase the size of your data base at any time.

The file size of your data base is unlimited. Disk cartridges provide easy, direct access to all of your business records. The system can file, update or sort more than 10 items per second on the disk. And retrieved data is instantly transferred to the processor to provide an immediate response to inquiries or to write management reports.

**AN OPERATOR-ORIENTED WORK STATION . . .** Another productive element of B 700 design is the System Console. Its ease of use and productive qualities have been proven in over 60,000 Burroughs mini-computer

installations worldwide.

From this simple console, the operator monitors and controls all functions of the B 700. Its operation is familiar to those accustomed to accounting machines. Its fully buffered keyboard and printer provide for operator/system communication, inquiries, and the input and output of data.



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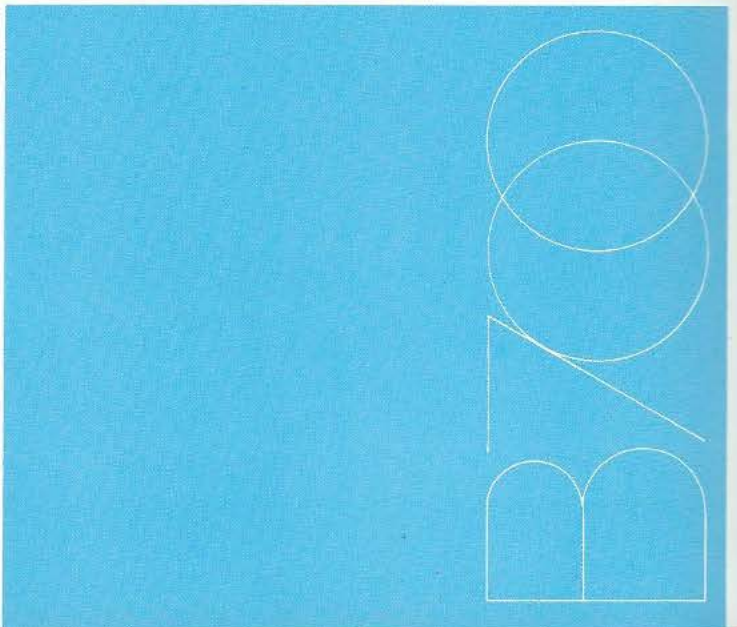
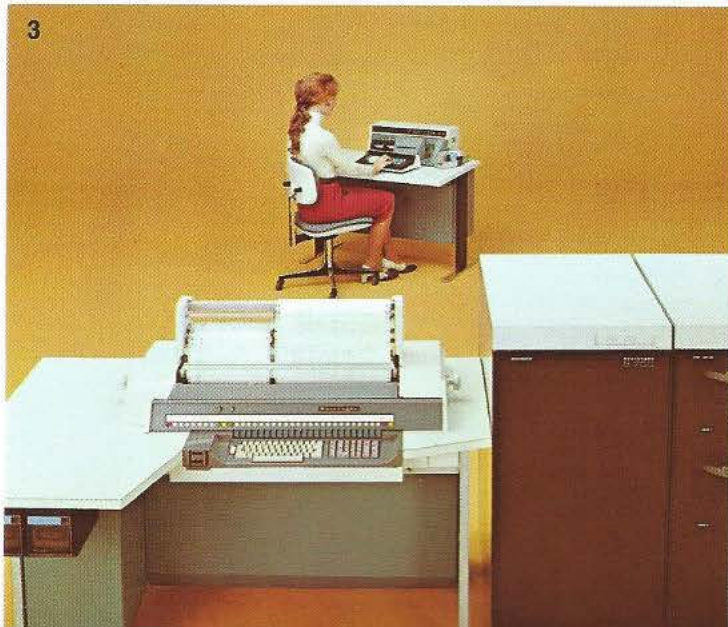
**the B700 series...  
exceptional versatility  
for structuring  
the management  
information flow**

The B 700 offers new opportunities to organize and process accounting jobs according to your information priorities. From an exciting concept in data preparation to flexible output capabilities, the B 700 lets you establish and maintain a balanced and productive throughput environment.

**AUDIT ENTRY . . .** With the B 700, Burroughs offers Audit Entry—a method of data input which assures the accuracy of data entered into the system. Audit Entry reduces the multiple handlings required by conventional data preparation and verification routines to one handling of source data. Also important, it provides a written journal record for immediate, or subsequent, visual audit.

Audit Entry is achieved through the System Console Keyboard. Data is verified under program control, and printed as it enters the system. It is then stored directly on disk file ready for processing.

As data input volume increases, a Burroughs AE 300 Audit Entry Computer can be added. It features the same





keyboard and control arrangement as the B 700 console. Input via the AE 300 is programmatically verified, and then recorded on magnetic tape cassettes for input to the B 700.

Preparing audited data on the AE 300 frees your B 700 for other input and output jobs, thereby increasing overall system efficiency and throughput. It's of special value in organizations which prefer to prepare input data at more than one location.

**CONVENTIONAL DATA PREPARATION . . .** In addition to Audit Entry, input data for the B 700 may be prepared on magnetic tape cassettes, magnetic tape drives, 96- or 80-column punched cards, and punched paper tape.

**PROGRAM INTERRUPT—AN IMMEDIATE RESPONSE TO PRIORITY . . .**

The B 700 provides a convenient "interrupt and resume" capability. This permits orderly interruption of lengthy jobs for inquiry or running a higher priority program. For example, an invoicing run can be stopped to obtain an auxiliary report. The interrupted

program is automatically saved, and processing resumed following the interrupt.

**FLEXIBLE OUTPUT CAPABILITIES . . .** The B 700 is responsive to hard copy record needs. The System Console Printer can print on journal rolls, continuous forms, unit set documents, pre-printed forms, and even front-fed ledgers. All forms movement is program controlled.

**A SYSTEM OPERATIONS JOURNAL AIDS COMMUNICATIONS . . .**

A continuous record of system activity is printed by the Console Printer. It simplifies system operation by communicating error conditions and program messages to the operator.

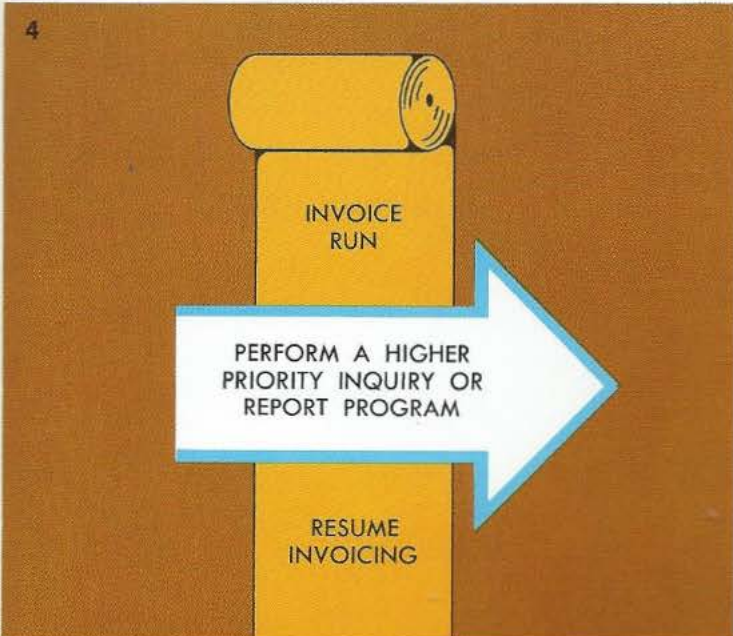
1. System Console Audit Entry.
2. AE 300 Audit Entry.
3. Conventional Data Preparation.
4. "Interrupt and Resume".



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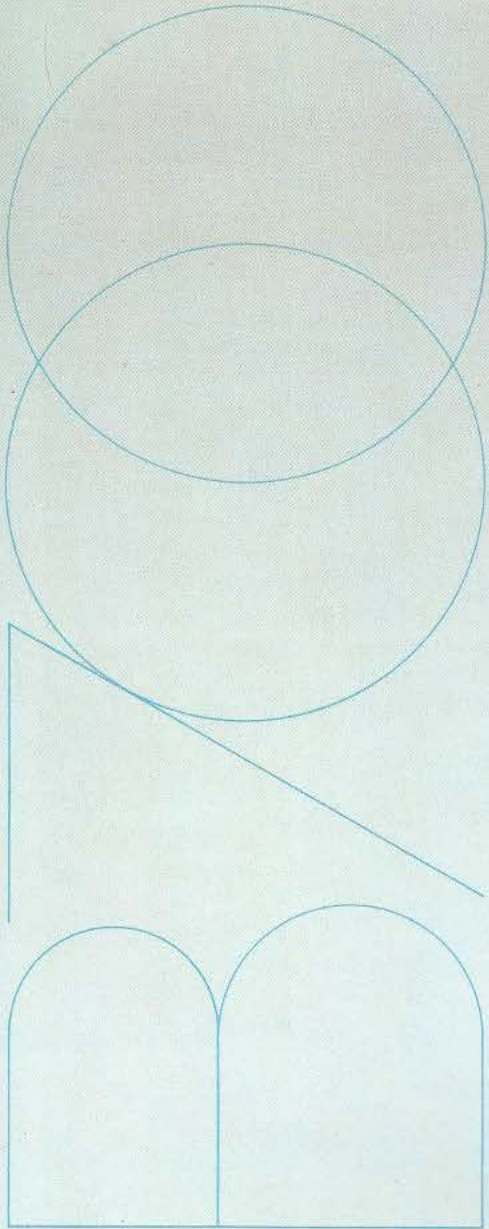
**the B 700 series  
can meet the needs  
of management  
today... and  
tomorrow**

With the B 700 Series, you can begin with productive capabilities that match your current requirements—knowing that as your requirements change and grow, the B 700 can change and grow to accommodate them economically.

**A PLACE TO START...**The B 700 Series offers a choice of basic systems. One includes a processor with up to 32,000 bytes of main memory, an on-line Disk Cartridge Drive with up to 4.6 million bytes of high-speed auxiliary storage, and a System Console with either a 15½" or 26" forms handler. The second is a faster, larger capacity system which provides up to 48,000 bytes of main memory, up to 9.2 million bytes of on-line auxiliary storage, and a choice of consoles.

**A PLACE TO GROW...**Basic B 700 systems offer expandability. Modular main memory may be incrementally increased up to the maximum at any time. The removable Disk Cartridges offer unlimited off-line storage capabilities. One or more AE300 Audit Entry Computers may be added to the system at any time to increase off-line audited data input preparation capabilities. And because the B 700 uses high level programming languages, you can more easily and economically add new programs as the need arises.

**FLEXIBILITY IN INPUT/OUTPUT SUBSYSTEMS...**B 700 systems can be configured to take advantage of several input and output subsystems



with a range of speeds and capacities. These subsystems are designed to enhance overall system performance and throughput. Modularity allows you to choose the mix that best meets your present requirements. You can easily add or change subsystems in the future.

**B 700 SERIES SUBSYSTEMS INCLUDE:**

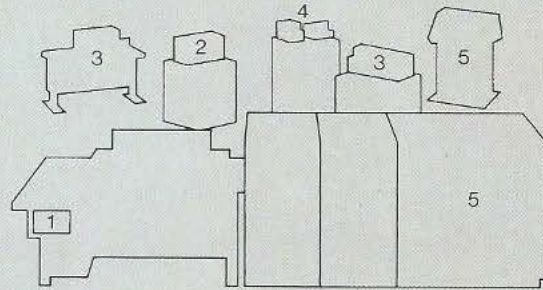
- 1. CASSETTE TAPE INPUT/OUTPUT—Burroughs cassette tape stations with read/write capability offer a fast, modern technique for data input (as in Audit Entry), for file updating, and for recording data to be processed later by the B 700.
- 2. MAGNETIC TAPE UNIT—Another

fast and convenient data input and recording technique.

- 3. 96- OR 80-COLUMN PUNCHED CARD EQUIPMENT—A variety of devices are available for a punched card environment . . . from a conventional 80-column card reader to a compact 96-column reader/punch.

4. EDGE PUNCHED CARD AND PAPER TAPE INPUT/OUTPUT—For further flexibility in system configuration.

5. LINE PRINTERS—A choice of high-output auxiliary line printers that provide faster preparation of management reports, invoices, payroll checks, etc.



## a practical step upward when required

Burroughs design philosophy recognizes the importance of continuity to a growing business in today's rapidly changing economic environment. In developing our comprehensive range of small systems for better business management, Burroughs has emphasized compatibility among, and ease and economy of transfer between, our different series.

As a B 700 user, you have a practical step upward. When required, you can transfer your work with minimal effort to a Burroughs B 1700 System and begin immediately to benefit from its greater productive power.

**Burroughs** 