Burroughs 220

HIGH SPEED PRINTER SYSTEM

Special Features:
- On-line or off-line operation
- Plugboard controlled off-line editing
- Key recognition
- Interrogation switches (10-digit field)
- for data selection
- Exception “field selection” wiring of the plugboard
- Automatic checking of information transfers
- Multiple line output per buffer load
- Printer fed from alternate tape storage units
- Random access to print cycle
- Completely transistorized logical and control circuitry

Characteristics:
- Printing positions—120
- Vertical line spacing—6 per inch
- Horizontal character spacing—10 per inch
- Maximum form width—20 inches
- Maximum form length—22 inches
- Carriage skip controls—Punched paper tape
  (7 channels)
- Standard continuous form accommodation includes:
  - 6 part forms (1 original & 5 copies)
  - 8# or 9# calendared bond
  - 3 part forms (1 original & 2 copies)
  - 12#-14# calendared bond
Burroughs 220
HIGH SPEED PRINTER SYSTEM

...the new pace setter in high volume line printing...

Up to 1500 lines per minute print out
The "proof" of high volume data processing is often in the printing. Under the increasing demand for timely reports and complex listing, even giant systems have been falling behind in getting results onto the printed page. Consider, then, a pace setter in printing output... the new Burroughs 220 High Speed Printer System. Integrated with the powerful Burroughs 220 data processing equipment, this advanced output system translates computer results into high quality work at unmatched printing rates.

**Over 1000 Lines Per Minute**

Operating on-line or off-line, the Burroughs 220 High Speed Printer System produces copy at rates up to 1225 alphanumeric and 1500 all-numeric lines per minute. Printing rates are selectable, depending upon the nature and use of the final print out.

**Solid-State Circuitry**

The new system features completely transistorized logical and control circuitry, a random access, all transistorized magnetic core buffer memory, and complete plugboard control of programming and format print out.

Feeding all information to a 120-position print register, the 1100-digit buffer allows the masking of load and print times as well as multiple line output per buffer load. The use of field selection format control enables the buffer to retain fixed information for re-use without re-load.

**On-Line or Off-Line Operation**

Operated on-line, the Burroughs 220 High Speed Printer System uses the electronic speed of the central processor to produce up-to-the-minute reports.

Off-line data feeding, by magnetic tape, provides outstanding flexibility for the entire printing system. Tape units, for example, may be shared between on-line and off-line operations, thereby reducing the need for additional equipment.
The entire output system can be operated with only one magnetic tape storage unit. Or, to accommodate more complex printing requirements, two magnetic tape units may be used alternately. This allows the masking of tape handling time and merging of various records without preparing special tapes.

**Automatic Editing**

Information from scattered records can be manipulated, edited and merged in one output operation. Key data, for example, may be flagged and selected by key recognition. Re-arrangement for print out is automatic and does not require the preparation of a special tape.

Plugboard wiring provides these additional editing controls: deletion, character emission, special character insertion (including check protecting asterisks), zero suppression, vertical spacing, and follow-or-anticipate carriage skipping.

**Rotary Switch File Interrogation**

Besides key recognition, the operator may very simply initiate file inquiry with rotary switches. Independent of the computer, 10 interrogation switches allow the operator to change the identification key for category select off-line. Re-wiring of the plugboard is not necessary to print out information selected under the new category.

**Complete Built-in Checking**

Thorough checking of control functions and data transfer is assured by three methods. A parity bit is carried and monitored on transfer operations. Checking for non- permissible characters is accomplished during translation. And a synchronization mechanism sounds the alarm unless every character to be printed “clocks in” at a designated time. All alarm conditions allow the operator to choose between exception printing and machine halt.

**Simplified Plugboard Programming**

A special method of plugboard control called, “exception-field selection wiring,” greatly simplifies programming and plugboard wiring. This method of control sharply reduces plugboard wiring to increase system reliability.

**Printing in 51 Characters**

An extensive range of alphabetic, numeric and special symbols—totaling 51—is printed in an easy-to-read solid type face.

**New Pace and Flexibility in High Volume Printing**

Whether engaged in banking, insurance, stock transfer, inventory control or any other listing, billing or report operation, your Burroughs 220 data processing system is now able to provide new pace and flexibility because the High Speed Printer:

- Allows easier scheduling of peak work loads
- Reduces system equipment requirements
- Unburdens computer of costly editing functions
- Accommodates the future growth of your data processing needs

Perhaps data processing requirements are already racing ahead of your existing equipment. Then it is time to consider the high speed, input-output and computing capabilities of the Burroughs 220… the fully-balanced computing system which has set the pace, scope and direction in electronic data processing.

This is the Burroughs-ElectroData record…first with the Cardatron concept of buffered, on-line card processing…first with the Datafile’s 500-million digits of auxiliary memory…first with a full magnetic core memory in a medium price computer.

If your business operations are overloaded with demands for high volume data processing, call on your ElectroData Division representative… first.