Burroughs OEM Marketing

OEM Products

Head-Per-Track Disk Drives
Flexible Disk Drives
Tape Cassette Drives
Credit Card Readers
Line Printers

High Performance Head-Per-Track Disk Drives

- 6 to 24 megabyte capacity per subsystem.
- 5 millisecond average access to data.
- 10 MHz transfer rates.
- Advanced head-per-track technology.
- Excellent field-proven reliability.
- Fully field-repairable design.

Series 9470 provides high throughput performance and low cost of ownership.

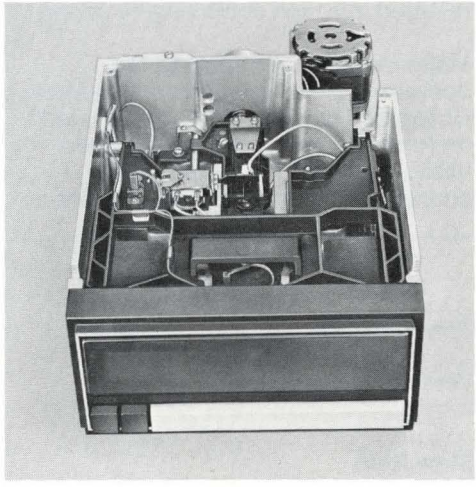
9470 subsystems are modular, consisting of one to four Disk Drive cabinets, easily field-installable as add-ons. Each cabinet houses a single disk of 6 megabyte capacity, with 16 fixed-head assemblies of 32 data channels each, providing 512 tracks. Head construction, based on a new thin-film deposition process unique in the industry, enables highest track and bit densities and economical production costs. Disk speed is 6000 RPM. The device controller which serves up to four drives is housed in one of the drive cabinets.

Maintainability is enhanced by numerous design features. 9470 Disk Drives are completely field-repairable. In-built test facilities provide extensive off-line checking capability. A specially reserved maintenance sector in each data track, available to both the host program and the maintenance engineer, permits write and read testing without disturbing other data. A sophisticated device status and warning system is available to the host program for logging and incipient fault analysis.

Comprehensive data checking on input, output, and internal transfers assures integrity of data.

9489 Flexible Disk Drives

- 1.25 Megabytes.
- Dual head, double-sided recording.
- Master/Slave dual drive option.
- Seek/overlap between Master and Slave.
- Write protect and file operational indicators.
- Automatic pad retraction for reduced media wear.
- Direct cylinder addressing.
- In volume production with field proven reliability and maintainability.



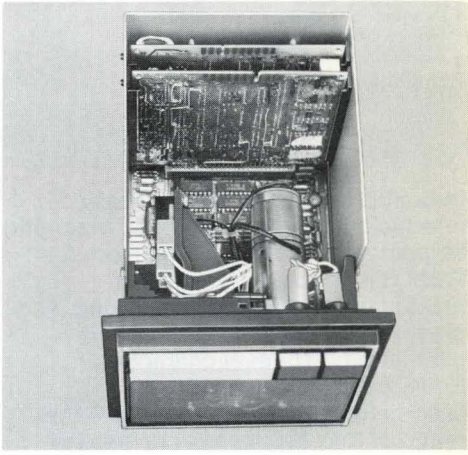
With 1.25 megabytes of fast random access storage, the 9489 is well suited for computer based, transaction-oriented small business systems and intelligent terminals. In the dual drive Master/Slave configuration, the Master connects via an I/O cable to the host and contains additional electronics common to both units. The Master and Slave units are interconnected and allow for seek/overlap operations and a combined storage capacity of 2.5 megabytes.

Standard size 8 inch flexible disks are removable, allowing for unlimited off-line data storage and easy transportation. Data is recorded on both sides of the disk with two straddle erase recording heads, one on each side. The heads are mounted on a movable carriage assembly driven by a stepper motor and lead screw. Pressure pads maintain head media contact and automatically retract when the drive is not in use.

Separated clock and NRZ data are transferred at 400K bits per second over the interface and MFM encoded on 176 tracks per disk. Rotational latency is 82 ms. The average access time including head setting is 185 ms. The electrical interface is TTL compatible. Binary cylinder addresses are received and decoded in the drive and the heads are accelerated and directly positioned over the correct track following a seek command.

9497 Tape Cassette Drives

- ANSI/ECMA industry standard for data interchange.
- Optional NRZ recording mode.
- Standard tape cassette.
- Reel-to-reel servo-drive for extended tape life.
- Superior speed control.
- Unit ready and write protect indicators.
- All drive functions are microprocessor-controlled.
- In volume production with field proven reliability and maintainability.



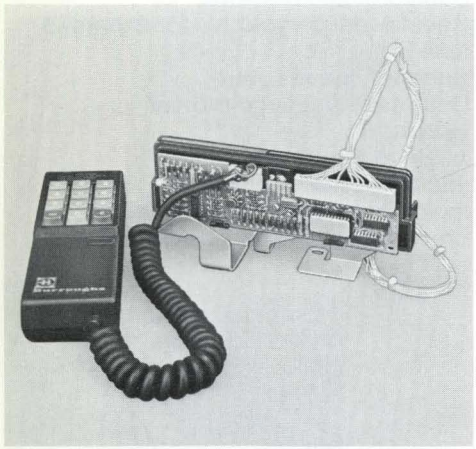
Burroughs

The drive accepts write data and drive commands and provides read data and status information to the host. The in-built microprocessor interprets commands and moves the tape as required while controlling tape speed and tension. Status information generated from sensors within the drive is also handled by the microprocessor.

Serial read and write data is transferred over the interface at 8000 bits per second. Decoding and encoding data into NRZ or PE formats is accomplished within the drive. Two tracks are recorded at 800 BPI. Read/write speed in forward or reverse is 10 IPS with a high speed search mode of 30 IPS. Full rewind is achieved within 60 seconds. The compact, lightweight unit requires readily available DC supply voltages.

Credit Card Readers

The Model TT0023-1 is a manually-driven magnetic-striped credit card reader providing an economical answer to many financial, credit authorization, or restricted access applications.



In-built LSI circuitry enables easy interfacing to host equipment. Magnetic stripe data read from either Track 2 or Track 3 is processed internally, including extensive data checking, and presented to the host as buffered parallel-bit, TTL-level characters. Self-synchronous circuitry accommodates card speeds over the range of 8 to 100 inches per second.

The Model TT0023-1 can also accept entries from up to two optional Burroughs A6002 keyboards for those applications requiring short data entries, such as personal identification numbers, in addition to credit card data. Output character format to the host is similar for both card reader and keyboard.

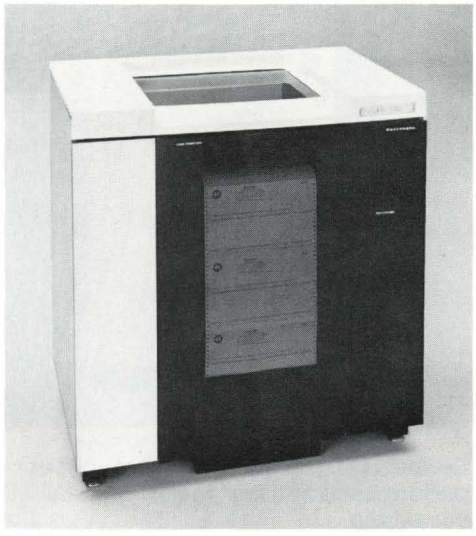
The Model TT0023-1 has been designed for easy incorporation into host cabinetry or for remote installation. Both it and the ruggedly-constructed A6002 keyboard provide the simple and dependable operation suitable for use by untrained personnel or the general public.

Line Printers

Models 9247 are a family of train printers providing superior print quality and dependable, cost-effective operation. Advanced design techniques require fewer parts and simplify maintenance. The family concept has resulted in a high commonality of parts.

Major design goals attained are operator ease of use and convenience. Duplicated control panels are located on front and rear. Train modules are easily changed. Simplified ribbon changes are clean and easy. Job set-up time is reduced by providing the operator clear access to the horizontal paper path and controls. The horizontal print bed is an innovative feature designed for maximum ease in forms loading.

All models provide clean, crisp printing with superior vertical and horizontal registration on up to six-part forms, 132 print positions per line, 10 characters per inch, and 6 or 8 lines per inch.



	9247-13	9247-14	9247-15
Print rate (48-char. set)	750 LPM	1100 LPM	1500 LPM
Vertical Format Control	12-char tape	12-char tape	electronic buffer
Slew Rate	20 in/sec	20 in/sec	90 in/sec
Paper Stacking, standard	Gravity Stacker	Gravity Stacker	Powered Stacker
Character Sets, No. of Char	48,64,96	18,48,72,96	48,72,96

Optional train modules are available in a wide range of standard, national, and special character sets.

Burroughs OEM Marketing Offices

Detroit, Michigan (313) 972-9200

Pasadena, California (213) 351-6551
Hauppage, New York (516) 543-8700
Manchester, England (061) 236-7042
Rio de Janeiro, Brazil 252-2065

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