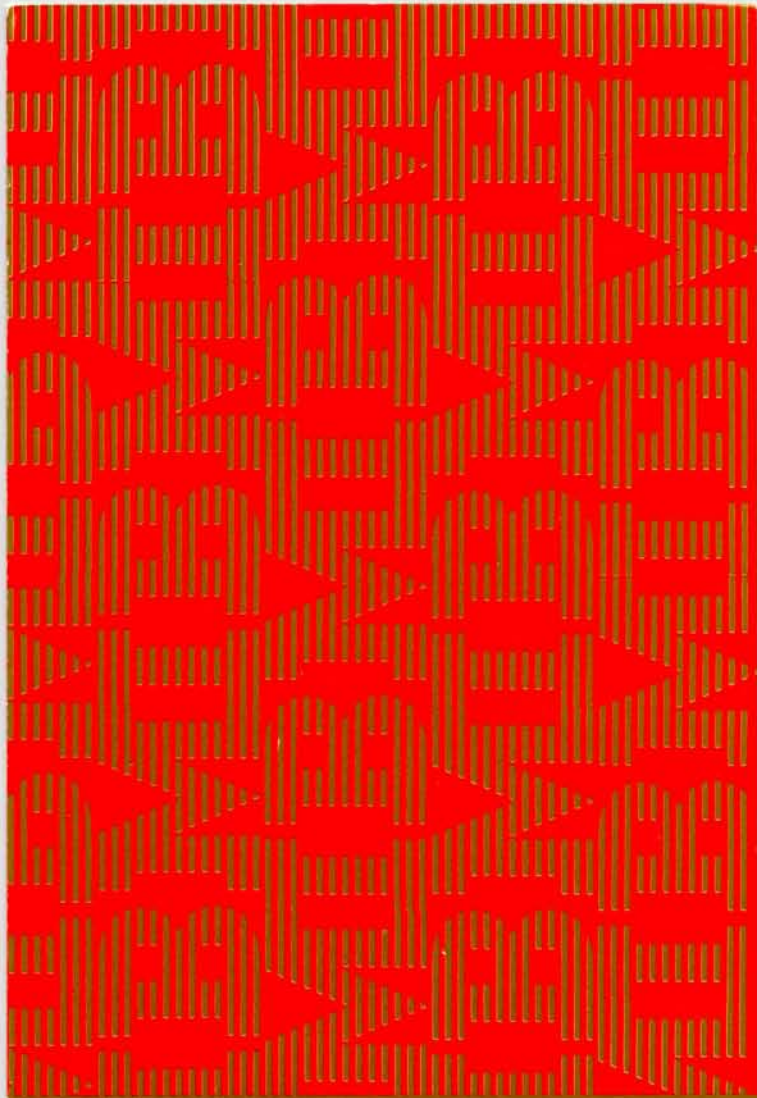


3881

Optical Mark
Reader



Product Description

The IBM 3881 is an Optical Mark Reader capable of reading preprinted or handwritten marks. Two models are available.

Model I On Line to System /370
Models 135 and 145.

Model II Off Line to a 3410 Model
1 Magnetic Tape Drive



IBM 3881, Optical Mark Reader

Maintenance Features

The 3881 reads documents ranging in size from 3" x 3" to 9" x 12". Throughput rate depends on length of document (eg: 8 1/2" x 11" is 4,000 per hour). Marks are scanned as the document passes under an optical read head. Read scanning is under control of timing marks preprinted along the left edge of the document. When a timing mark is sensed, the read head scans an entire row of 40 marks positions.

Format control information is loaded from a marked document at the beginning of a document run and is used to define data areas, marks allowed, desired output (numeric, alphanumeric, multiple mark format), mark position sequence, timing mark count, BCD requirements. Up to six different formats can be processed during the same pass. The 3881 is designed around a microprogrammed control unit which uses Read Only Storage. This unit makes the following off-line maintenance features possible.

- Transport exerciser
- Optical read system diagnostics
- Logic diagnostics
- Error recording
- Tape control diagnostics (Model II only)

The CE panel has six toggle switches used in conjunction with the operator panel to address and control the microprocessor.

A two digit numeric display located on the operator panel indicates the type of stop, type of error, and reads out the recorded error count.

A vacuum cleaner is built into each machine for customer or CE use. This will be used during a customer-initiated call for preventive maintenance.

Mechanical replacements will be simplified due to there being no inter-related adjustments.

Optional Features

BCD Read
Document Counters
Serial Numbering
Expanded Storage
Dual Density (Model II only)
Printable Reject Character

Technology

Microprogrammed control unit - MST
Transport Adapter - TTL
Optical Read Circuits - Special Analog Logic

CE Career Path

The 3881 Model I will be serviced by the GS customer engineer.

The 3881 Model II will be serviced by the DS customer engineer.



IBM World Trade Corporation
DP Customer Engineering
821 United Nations Plaza
New York, N. Y. 10017 U.S.A.

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