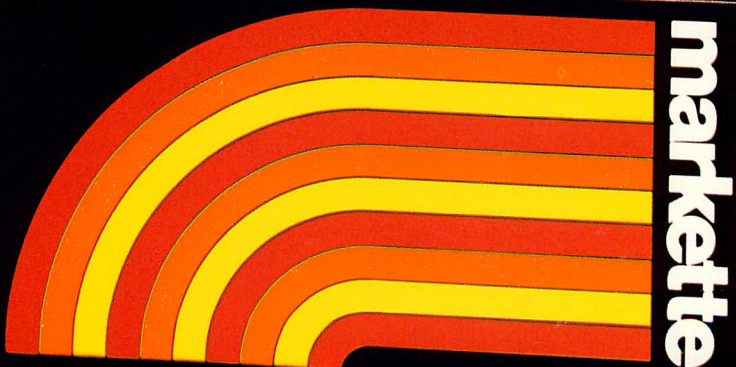


MEMOREX

Markette
Flexible Disc

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The Product

The Markette is Memorex's uniquely engineered flexible disc media. It is directly interchangeable with IBM compatible flexible discs and is initialized and formatted for use with IBM 3740, System/32, 3540, Memorex 652/655 or equivalent systems or applications.

Functioning typically at 360 RPM, the Markette has a nominal storage capacity of 1.9 million bits which is equivalent to the data that can be contained on 3000 80-column punch cards.

The Performance

All Markettes are guaranteed 100% error free when shipped from the factory. Product design, manufacturing techniques, and rigorous quality control assure users that Markettes will remain error free under normal operating conditions. More than ten million passes per track can be made on Markettes with no significant signal degradation. This exceptional performance is a result of Memorex's specially formulated oxide coating which achieves maximum durability; unique surface finishing techniques which achieves optimal read/write performance; and an innovatively engineered jacket liner which sustains factory quality and dramatically reduces error potential due to speed fluctuation.

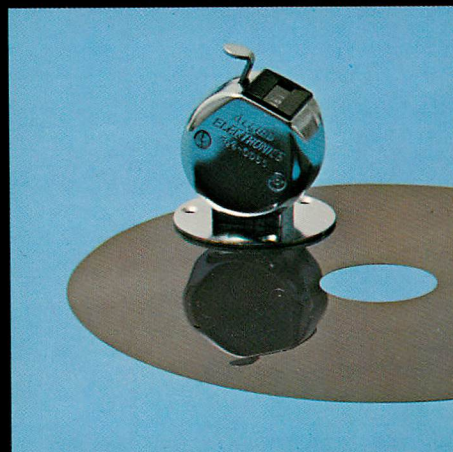
Reduced head wear is another significant feature achieved by this unique combination of advanced technologies and modern production facilities. Excess head wear will cause premature drive malfunction. Normal wear from the Memorex Markette is significantly less than 25 microinches per 92 hours of operation which is within industry drive specifications.

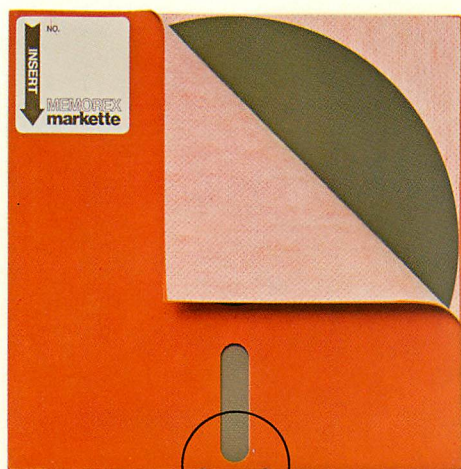
Critical or archival data is ideally retained on Markettes because of their convenient storage size, superior data integrity and extreme durability.

The Disc

Precision coating of the durable polyester base film with a specially engineered gamma ferric oxide formulation is performed in environmentally controlled clean rooms. This operation is continuously monitored to ensure uniform coating thickness of 100 microinches. The material is then surface treated utilizing a sophisticated temperature/pressure combination to enhance surface smoothness.

It is from this coated media that the individual discs are die cut. Each disc is then polished to a glossy surface smoothness of two microinches. The high gloss surface provides enhanced head to disc contact for optimal recording performance.

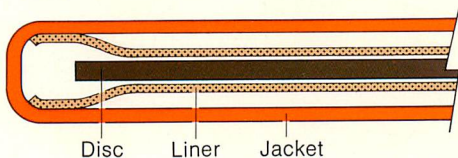




* Stress Relief Notches

The Jacket

Each precision coated disc is enclosed in a protective vinyl jacket containing a liner material selected for its wiping and specific frictional characteristics. The liner material absorbs any minute foreign surface particles that might



hinder Markette performance. Maximum cleaning efficiency by the liner is obtained with installation techniques allowing the liner adjacent to the disc recording surface to lightly touch the disc. This insures complete, continuous contact between the two surfaces.

*Stress relief notches placed on the edge of the jacket adjacent to the head slot prevent crease damage to the disc when the cartridge is flexed.

The Testing

Prior to final processing, each lot of coated material is subjected to a series of tests to ensure that media durability, magnetic parameters, signal levels, modulation, resolution and numerous other tests meet the industries most stringent quality standards.

After completed discs are inserted into jackets, they are noise and drop-out tested at critical levels to provide a margin of safety beyond the spectrum of operational systems.



The Initialization

Prior to final packaging and shipment, each Markette is initialized on specially designed formatting equipment. Format writing is a highly critical operation that is continuously monitored to assure total accuracy. The end result is that accurate address and sector location is achieved ensuring use on all IBM compatible drives.

The Packaging

An improved crush-proof box conveniently packages 10 Markettes. When not in use, Markettes are stored in protective envelopes which are tabbed for color coding and protrude above the top edge of the box when its top is removed. Each box of Markettes contains: an assortment of self-adhesive peelable labels for color coding.

The Experience

The Markette flexible disc combines the technologies of flexible magnetic media, disc products and disc drives. Memorex is recognized as the leading independent manufacturer of computer peripheral equipment and magnetic recording media. More than a decade of experience in computer tape, disc pack, disc cartridge and disc drive technologies stand behind every Markette. This experience is supported by a worldwide network of sales and service representatives—all committed to memory excellence.

The Summary

- Error Free Plus Safety Margin
- Long Life — Ten Million Passes
- Remain Error Free
- Fully Compatible and Interchangeable
- Human Engineered

The Specifications

Performance Characteristics*

Format: IBM 3740 compatible
Dropouts: 0
Dropins: 0
Durability: 10 million passes per track
Head Wear: Less than 25/ μ " per 92 hours

Disc Substrate

3 Mil Polyester

Disc Coating

Thickness: 100 microinches
gamma ferric oxide
Surface Roughness: 2 microinches
arithmetic average
Coercivity: 270 Oersteds

Disc Dimensions

Diameter: 7.88 inches
Inside Diameter: 1.50 inches
Index Hole: 0.1 inch

Jacket Characteristics

Outside Dimensions: 8 inches
square
Material Thickness: 0.01 inch
Total Jacket Thickness: 0.072 inch
Material: Matte Vinyl

Environmental Conditions

Operating 50°F to 125°F
and Storage: 8 - 80% RH
Wet Bulb less than 85%
Shipping: -40°F to +125°F
80% RH Max.

*Memorex Standard Test Conditions

Memorex Corporation

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