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**MEMOREX**

**MARK I**

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# MARK I

The Memorex Mark I — the first error-free disc pack — significantly reduces non-productive computer time. It assures superior performance on 1311, 2311, and compatible drives.

With the Mark I, you can be confident that your data is stored on discs unsurpassed for coating uniformity, surface smoothness, and durability.

Each Mark I Disc Pack gives you the same technological excellence that is part of all Memorex products.



Memorex scientists are constantly searching for ways to produce better magnetic recording media. We're not satisfied to produce just another disc pack. Or any other product, for that matter. We build the best that can be made. It is this philosophy of technical excellence that makes Memorex products unique.

And one of the underlying foundations of this philosophy is continuing research.

Memorex laboratory facilities are equal to those found in many organizations dedicated solely to research. But the Memorex secret is in carrying the laboratory results through product development and onto the production line.

This produces disc packs we can be proud of. And we are.

Electron microscopy is one of the advanced techniques used by Memorex scientists in the development of improved disc coatings.






Donald G. McBrien









The Mark I Disc Pack offers more than outstanding performance and durability. It also offers the less tangible factors of operating and storage convenience. That's why each Mark I includes extra features — at no extra cost:

Cover sets are made of virtually indestructible Lexan\* to protect your packs and your data. And the specially designed covers are stackable for easy storage.

Color-coded bezel labels let you instantly identify a pack while it's in use.


Special cover convenience labels make shelf identification quick and easy.

#### CUSTOMER SUPPORT

Memorex sales/service offices are located in principal cities throughout the world. And they're staffed by specially trained engineers who provide the important technical link with our customers.

#### FLEXIBLE FINANCIAL ARRANGEMENTS

When you order a Memorex disc pack, you choose the financial plan most convenient to you. You can buy it outright or lease it.



If you lease and later decide to buy, we'll give you a generous purchase credit.

\*Lexan is a registered trademark of the General Electric Company.



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## TECHNICAL SUMMARY

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### Configuration:

Number of data discs	6
Number of recording surfaces	10
Number of recording tracks	2,030, including alternates

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Storage Capacity:	7.25-million bytes
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### Oxide Magnetic Properties:

Coercive force	300 oersteds
Maximum saturation	3350 gauss
Residual saturation	1950 gauss

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Disc Substrate:	Special memory-disc aluminum alloy
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### Disc Coating:

Formulation	Proprietary coating, especially formulated for magnetic uniformity and resistance to wear
Thickness	200 microinches
Finish	Smooth to within 2 microinches (arithmetic average)

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### Pack Mechanics:

Disc runout	12 mils, maximum
Rate of change of runout	Less than 1 mil per inch
Balance	Dynamically balanced to within 6 inch-grams
Sector disc	20 timing slots for use on such drives as IBM 1311 and 2311. Special configurations, such as 32 timing slots, are also available

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### Cover:

Material	Lexan top and bottom covers for maximum resistance to breakage and fire
Dimensions	Less than 4½ inches high by 15 inches in diameter

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Pack Weight:	Less than 10 pounds
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Shipping Weight:	15 pounds
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