

## Mark X Disc Pack

### Description

The Memorex Mark X is a high performance disc pack with a capacity of 100 megabytes. It is compatible with the Memorex 3670 and IBM 3330 disc drives. The Mark X is also interchangeable with the IBM 3336 Model 1 disc pack.

The Mark X contains 12 discs and 19 data surfaces plus one for the pre-recorded servo tracks. Each pack is pre-initialized with home address and record zeros assigned, thus, saving programming and computer time.

It is backed by full factory and field engineering support. And it is available through a wide variety of financial programs.

### Mark X—Quality and Reliability Combined

You want absolute data integrity from your pack, and you get it from Mark X. The assurance of absolute data integrity is the result of the company's extensive experience in both testing and servo writing. Our proprietary servo writer for Mark X is used to insure precise head positioning and indexing of data tracks.

At Memorex, this procedure has set the standard for servo written disc products—all other servo written Memorex products are based upon the technology used in developing the servo writer for this pack.

Stringent testing further assures the pack's data integrity. A 200% read/write analysis and half-altitude testing with special heads are performed on the recording surface of each disc. Once the pack is assembled each Mark X is tested again on specially-designed marginalized equipment. These key tests assure the highest standards of excellence for data throughput.

The proven and reliable performance of Mark X provides you with a smoother, more reliable operation. Over the years Mark X's field record has been exemplary: Thousands of units have been installed, worldwide. This is due to the company's expertise in coating processes which include treating the discs of the Mark X with a proprietary process that "armors" the discs for extra protection.

Additionally, pack excellence is insured by rigid quality control procedures which are among the most rigorous in the industry. From raw materials to finished product, Mark X undergoes over one-hundred audits and tests, further assuring maximum performance, before the pack is ever shipped.

Mark X: the "benchmark" in quality and reliability that you require in a high performance disc pack.



# MEMOREX

## Mark X Disc Pack

THE COMPUTER HISTORY MUSEUM



1 027 4552 7

### Mark X Disc Pack Technical Data

#### Compatibility

The Mark X is designed for use on the Memorex 3670, the IBM 3330 and other compatible disc drives. It will also perform on any disc drive designed to utilize an IBM 3336 type pack.

The Mark X will meet or exceed the specifications detailed in IBM Document GA26-1614.

#### Physical Dimensions

(including coverset)

Height	7.06 inches
Diameter	14.9 inches
Weight	21.0 pounds
Shipping Weight	26.5 pounds

#### Disc Information

Total discs per pack	12 each
Bottom protective disc	1 each
Top protective disc	1 each
Recording discs	10 each
Disc thickness	0.075 inches
Nominal coating thickness	50 $\mu$ inch
Surface smoothness	2 $\mu$ inch

#### Recording Surfaces

Data surfaces per pack	19 each
Servo surfaces per pack	1 each

#### Maximum Data Storage

Per pack	100,018,000 Bytes
Per cylinder	247,570 Bytes

#### Servo Tracks Initialization

Pre-Recorded Home Addresses and track descriptors (R0) are assigned prior to shipment

**Alternate Tracks** 7 per surface  
133 per pack

**Data Tracks** 404 per surface  
7676 per pack

#### Recommended Environment

Temperature	60-120°F
Relative humidity	8-80%
Maximum wet bulb	78°F

Before the Mark X is placed into operation, it shall be conditioned in the computer room environment for a minimum of two hours.

### Memorex Corporation

Computer Media Products  
1500 Memorex Drive  
Santa Clara, California 95052  
(408) 987-1043