

## Mark VIII Disc Pack

### Description

The Memorex Mark VIII is a high-performance, 81.4 megabyte capacity disc pack which utilizes special, 6060 BPI discs. It is designed for use on Calcomp T50/T80 or equivalent disc drives in the Trident family.

The Mark VIII has five data surfaces plus one for pre-recorded servo tracks which the drive utilizes for proper positioning of ultra-sensitive read/write heads.

The Mark VIII is backed by full factory and field engineering support. And it is offered through a wide variety of finance programs.

### The Mark VIII—High-Capacity Pack With High Reliability

Mark VIII optimizes your drive's data throughput because the pack's discs are optimal in design. Memorex's years of experience in 6060 BPI, high-density disc coating and servo writing procedures, has resulted in thin-coated, high-density products, like Mark VIII, that are unsurpassed in the industry for accuracy.

To begin, Mark VIII's disc substrates are prepared precision smooth. During coating the oxide particles are uniformly oriented to insure maximum signal levels. Then each coating is "armored" by a proprietary process, for extra data protection. As a result, the pack's discs are able to withstand severe head-loading stresses and deliver optimum signal output.

You expect operational perfection from your drive, and you also expect—and get—perfection from your Mark VIII. Memorex is a qualified, and approved, disc pack supplier for the Calcomp T50/T80 disc drives. In meeting drive specifications, Mark VIII's components are of the highest quality: Top-cover inserts are made of temper-hardened steel; locking assemblies are stainless steel; hubs are forged aluminum; face gear is chip resistant; and the coverset is made of durable Lexan\*. Finally, each Mark VIII is dynamically balanced for high performance at high speeds.

The Mark VIII is the best performing pack available for your Calcomp T50/T80 or equivalent drive.

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## Mark VIII Disc Pack

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## Mark VIII Disc Pack Technical Data

### Compatibility

The Memorex Mark VIII is designed with high-capacity, 3336-11 type discs for use on Calcomp T50/T80 drives or equivalent drives.

### Physical Dimensions

(including coverset)

Height	7.00 inches
Diameter	14.6 inches
Weight	13.0 pounds
Shipping weight	18.5 pounds

### Disc Information

Total discs per pack	5 each
Bottom protective disc	1 each
Top protective disc	1 each
Recording discs	3 each
Disc thickness	0.075 inches
Nominal coating thickness i.d. to o.d.	35-50 $\mu$ inches
Surface smoothness	less than 1.0 $\mu$ inch arithmetic average

### Recording Surfaces

Data surfaces per pack	5 each
Servo surfaces per pack	1 each

### Maximum Data Storage

Per pack	81,400,000 bytes
Per cylinder	100,867 bytes (5 tracks)

### Servo Tracks Initialization

Pre-recorded Mark VIII packs require initialization on user's system drives before use.

**Alternate Tracks** 7 per surface  
35 per pack

**Data Tracks** 808 per surface  
4,040 per pack

### Environmental Conditions

Temperature range	60-150°F
Relative humidity	8-80%
Maximum wet bulb	78°F

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

Mark VIII  
Disc Pack

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