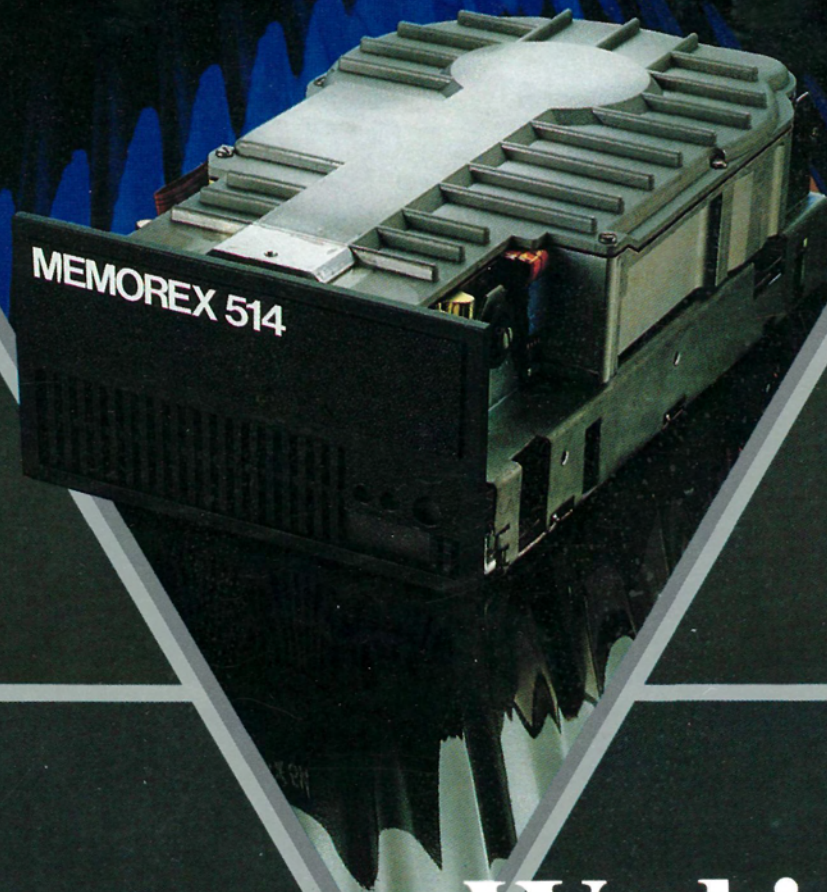


Memorex 510 Series 5 1/4" Fixed Disc Drives



Working
Within the
Systems

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T. Gardner Apr 2006

The Problem With Today's 5 1/4"

The revolution in desktop & microcomputer systems continues. From 8 bit to 16 bit to 32 bit. From simple function to complex function. From single-user to multi-user. And the traditional 5 1/4" disc drive suppliers are responding with higher capacity & faster access time products—many with their first voice coil actuator design. But success requires more than responding to today's requirements. Tomorrow's needs must be anticipated as well.

The Memorex 500 Family- 14" Experience in a 5 1/4" Form

Memorex knows high-capacity, high-performance disc drives as few other companies do. For almost two decades now, our reputation for technological leadership has been unparalleled. Innovations in actuator design, media, & thin-film heads have put us in the forefront in the large disc market.

When we decided to become a major OEM supplier of 5 1/4" disc drives, we were determined to not only meet today's state-of-the-art requirements, but to set the standard for tomorrow as well. We challenged our design team to develop a family of products that could grow with our customers' requirements over the next five years. The Memorex 500 Family is their superb response to that challenge.



MEMOREX 514

1/4" Disc Drives is Tomorrow

The 510 Series- Modular, Fast & Reliable

The initial members of the 500 Family are the 510 Series products. Models 512, 513 & 514 feature capacities of 30, 50 or 70 MB, respectively, in a 5 1/4" package and with the industry-standard interface. Average access time is only 25ms with a maximum of 45ms and a track-to-track of just 3 ms. The 510 Series sets a base for the future with features such as:

- linear voice coil motor
- plated media
- advanced servo design
- five microprocessors

From this base will come new members of the 500 Family, now in design, with much greater capacities and still higher performance. We have only just begun to demonstrate what we can achieve in a 5 1/4" package.

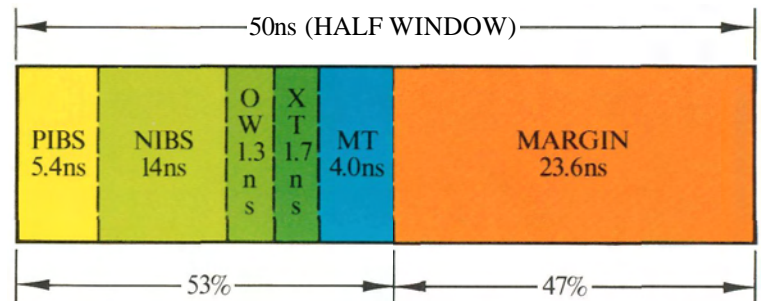
Tomorrow is Today—

Quality, Integrity & Availability

We have tomorrow in mind with more than just future products. Tomorrow means today's 510 Series performing reliably in your customer's systems for thousands of tomorrows. And that means a commitment to quality and support from day one. The 510 Series design anticipates potential problems with innovative reliability features such as:

- generous servo & read channel margins
- on-board confidence test
- diagnostic port
- automatic compensation for component aging

READ WINDOW MARGINS

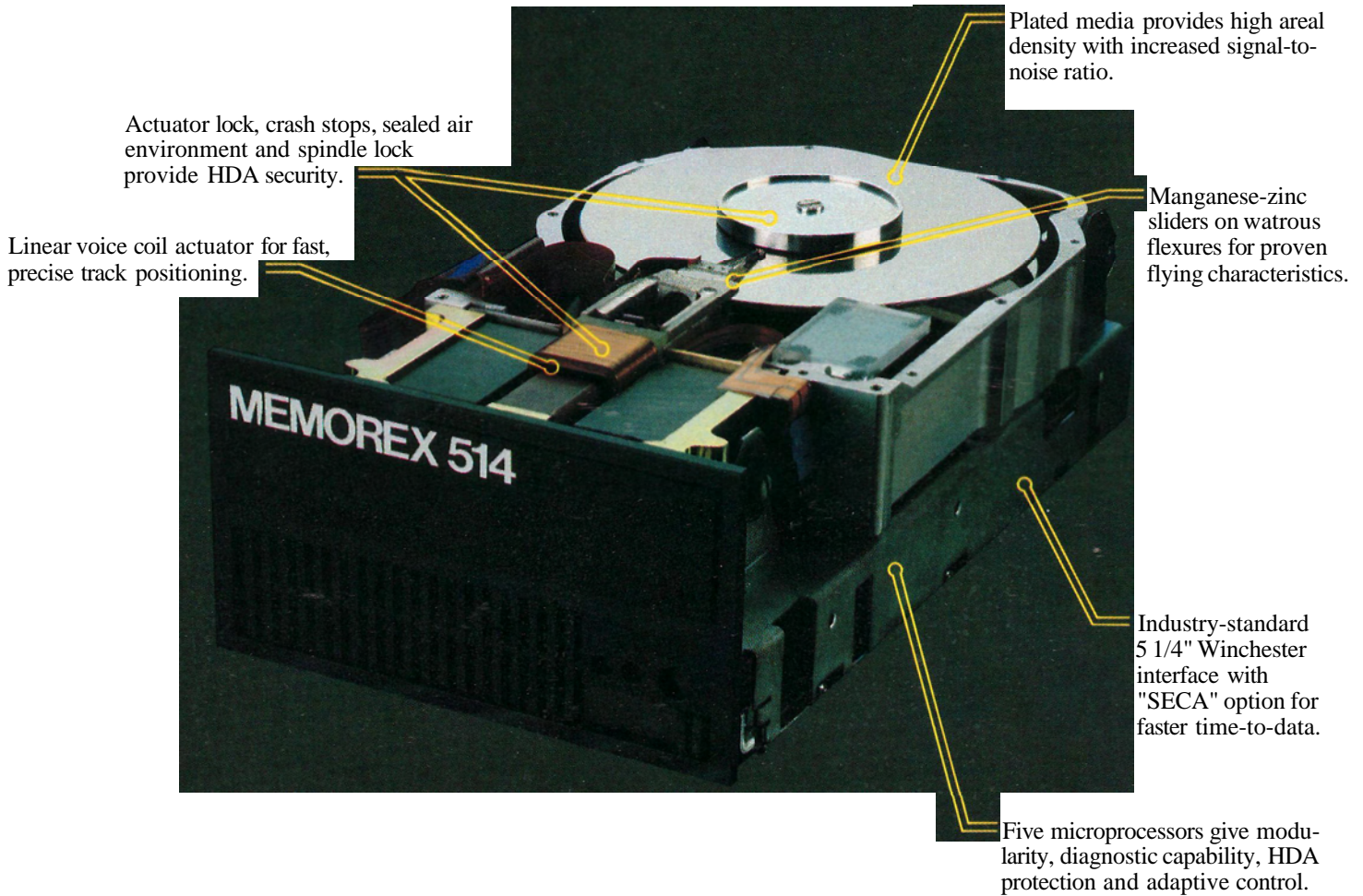


When combined with our absolute commitment to quality and our worldwide support organization, these features prescribe a trouble-free tomorrow for you and your customers.

Memorex, a company with the experience, the resources, the support programs and the commitment to make the finest 5 1/4" Winchester disc drives you'll find today. And a company that, at the same time, is providing for tomorrow.

Put your trust in Memorex—you can count on us to deliver.

MEMOREX



	MODEL		
	512	513	514
Capacity—Unformatted (Mbytes)	30	50	70
Average Access Time (msecs)	25	25	25
Interface	5 1/4" STD	5 1/4" STD	5 1/4" STD
Data Transfer Rate (Mbits/sec)	5	5	5
Number of Cylinders	961	961	961
Number of Data Surfaces	3	5	7

MEMOREX

A Burroughs Company

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