MAXTOR

PRODUCT CATALOG

1999
VOLUME
FOUR

MAXTOR CORPORATION

Maxtor Corporation has been providing high-quality information storage products since 1982. Along the way, we've seen many changes. Not long ago, only a handful of specific users needed more than a couple of hundred megabytes of storage. Today, downloading from the Internet and CD-ROMs, multimedia, networking and advanced office applications are driving storage needs even higher. Even home PC applications need capacities measured in gigabytes, not megabytes.

Products

Maxtor's DiamondMax™ 3.5-inch series of hard drives meets today's demanding storage needs with room to spare. DiamondMax drives feature high-performance and reliability and come with everything you need to upgrade quickly and easily. DiamondMax drives offer a wide range of capacities to meet every storage need.

Support

No matter which capacity you choose, all Maxtor hard drives are supported by our commitment to total customer satisfaction and our *No Quibble*® Service guarantee. One call—or a visit to our home-page (http://www.maxtor.com)—puts you in touch with either Technical Assistance or Customer Service. We'll provide you the information you need quickly, accurately and in the form you prefer—a fax, a downloaded file or a conversation with a representative.

When you need high-capacity, high-quality data storage, turn to the choice of more than 2,000 retailers and most of the world's top computer manufacturers—turn to Maxtor. We're proud to continue offering products that meet the needs of even the most demanding computer user today, and tomorrow.

Designed for Microsoft Windows 95

ENHANCED IDE

AV READY

S·M·A·R·T SYSTEM COMPLIANT

Maxtor®

DSP

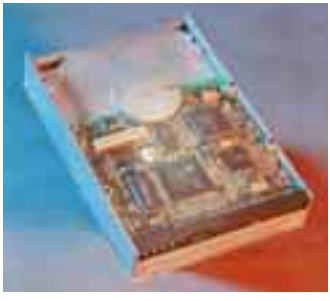
and

Formula4™

MAXTOR

MAXTOR'S PERFORMANCE TECHNOLOGY

MAXTOR'S DIGITAL SIGNAL PROCESSOR-BASED TECHNOLOGY



DSP *Digital Signal Processor*

With the introduction of the DiamondMax™ line, Maxtor is again leading the industry with state-of-the-art technology. Maxtor's Digital Signal Processor (DSP)-based electronics design developed with Texas Instruments, is the industry's first DSP-based architecture to feature a uniprocessor that can interface both with the controller and the drive processor. Incorporation of DSP-based technology in the DiamondMax and line provides unsurpassed performance and reliability.

In customer benchmarks, the DiamondMax, which was among the first drives in the industry to feature DSP-based technology, provides best in class performance.

DSP-based technology features

- **Fast DSP**—improving reliability and providing optimum performance across a wide variety of user environments and benchmarks
- **DSP ASIC Integration**—reducing part count because a single chip can interface both the controller and the drive processor, enhancing reliability and integration

FORMULA4™

Formula4™ is Maxtor's exclusive 1-, 2-, 3- or 4-platter head disk assembly design found in all DiamondMax™ desktop hard drives.

Formula4 features

- Dampened top cover provides quieter operation
- Accommodates magneto-resistive heads
- A special disk clamp that provides greater shock and vibration resistance and reduced slippage during extreme acceleration
- Improved signal integration through actuator arm assembly
- Accommodation of 5400- and 7200-RPM spindle speeds and beyond
- Mechanically tuned to reduce resonance and deliver maximum performance

AGENCY CERTIFICATION

All Maxtor DiamondMax hard drives are registered and comply with the following regulatory agencies.

***CE**: EMC/EMI regulatory mark signifies compliance with European electro-magnetic emissions and immunity standards.*

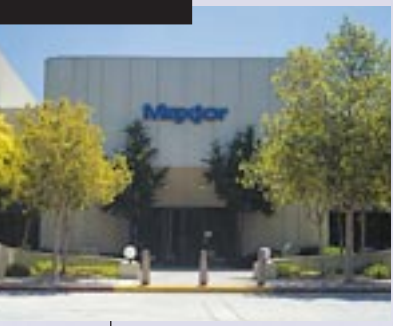
***C-Tick**: EMC/EMI regulatory mark signifies compliance with Australian and New Zealand electro-magnetic emissions and immunity standards.*

***TUV**: Safety mark signifies compliance with European electrical safety standards.*

***Underwriter's Lab**: UL safety mark signifies compliance with United States electrical safety standards.*

Company Background

ABOUT MAXTOR



Company Information: Founded in 1982, Maxtor Corporation has emerged in the past two years as one of the leading suppliers of hard disk drives for desktop computer systems. Maxtor's sales for 1998 were $3.4 billion, and its share of the desktop hard disk drive market was 17% at the end of 1998. Maxtor is publicly traded on the Nasdaq exchange under the symbol MXTR. Maxtor's headquarters are in Milpitas, Calif., and has a major development site in Longmont, Colo. Maxtor employs approximately 5,500 people worldwide.

Our Customers: Maxtor directly supplies many of the world's leading original equipment manufacturers and also supplies hard disk drives through a worldwide network of distributors. Maxtor products are also sold to end users in more than 2,000 retail outlets.

Manufacturing Leadership: Maxtor's world-class manufacturing operation includes pilot production lines in Colorado; automated facilities in Singapore; and administrative, repair and distribution centers in Ireland and California.

Sales & Distribution: Maxtor has several U.S. sales offices with additional offices in Germany, Hong Kong, Great Britain, France, Singapore, Taiwan, South Korea, Australia and Japan. Maxtor's products are also sold and supported by distributors and retailers throughout the world.

No Quibble® Service

MAXTOR

MAXTOR'S NO QUIBBLE® SERVICE INCLUDES:

Standard RMA – Call our customer Service Department to obtain a return material authorization (RMA) number for returns.

RMA numbers are assigned after Maxtor reviews the warranty status. Pack the drive using Maxtor packaging or Maxtor-approved packaging and include the RMA number on the box. Once the defective drive has been received, a replacement will be shipped within 2 business days.

Advance Replacement RMA – Call Customer Service to obtain an RMA number for returns. RMA numbers are assigned after Maxtor reviews the warranty status. A replacement will be shipped within 2 business days. You have 30 days to return the defective drive using Maxtor packaging or Maxtor-approved packaging.

Out-of-Warranty Upgrades – Maxtor offers upgrades for drives out of warranty — even products from our competitors. Call to find out about our special upgrade pricing. The warranty period for upgraded drives is three years.

For more information about Maxtor's No Quibble® service program, call a customer service representative today or visit our homepage at www.maxtor.com.

MAXTOR

94098U8
93073U6
92049U4
91024U2

DiamondMax™ 40

New 40 GB from Maxtor!

The new DiamondMax™ 40 series features a fast 2 MB 100 MHz SDRAM buffer, an average seek time of sub-9.0 ms and UltraDMA 66 interface to ensure maximum data throughput. These capacity leaders employ Maxtor's unique DualWave™ multi-processor controller for a 10x boost in host command processing speed. As a result, the DiamondMax 40 series is an ideal choice for consumers working with large files, including audio and video applications. No matter how large your application, the new DiamondMax 40 series has the performance and capacity you need.

DUAL WAVE PROCESSOR

MaxSafe

ShockBlock

KEY FEATURES

- 3.5-inch hard drives
- 40.9/30.7/20.4/10.2 gigabyte formatted capacity
- UltraDMA/66 Interface
- < 9.0-millisecond seek performance
- UDMA 66 data transfers

DiamondMax 40 specifications

	94098U8	93073U6	92049U4	91024U2
PHYSICAL				
Formatted (MB)	40,980	30,735	20,490	10,245
Bytes per Block	512	512	512	512
Buffer Size (MB)	2	2	2	2
Data Heads	8	6	4	2
Zones per Surface	16	16	16	16
PERFORMANCE				
Seek Times (ms)				
Track to Track	1.0	1.0	1.0	1.0
Average	< 9.0	< 9.0	< 9.0	< 9.0
Maximum	< 20	< 20	< 20	< 20
Rotation Speed (RPM)	5,400	5,400	5,400	5,400
Data Transfer Rate (MB/sec)				
To/From Media	34.2	34.2	34.2	34.2
To/From Interface	66.7	66.7	66.7	66.7
RELIABILITY				
ARR	1.0%	1.0%	1.0%	1.0%
POWER CONSUMPTION				
Idle (watts)	4.7	4.7	4.7	4.7
Seek (watts)	11.0	11.0	11.0	11.0
DIMENSIONS (INCHES)				
H x W x L	—— 1.02 x 4.0 x 5.78 ——			

Printed in USA (9/99) Stock #PC40 Rev. 4362

KEY FEATURES

- 3.5-inch hard drives
- 36.5/27.3/18.2/13.6 gigabyte formatted capacity
- UltraDMA/66 Interface
- < 9.0-millisecond seek performance
- UDMA 66 data transfers

DiamondMax 36 specifications

	93652U8	92739U6	91826U4	91369U3
PHYSICAL				
Formatted (MB)	36,529	27,396	18,264	13,698
Bytes per Block	512	512	512	512
Buffer Size (MB)	2	2	2	2
Data Heads	8	6	4	3
Zones per Surface	16	16	16	16
PERFORMANCE				
Seek Times (ms)				
Track to Track	1.0	1.0	1.0	1.0
Average	< 9.0	< 9.0	< 9.0	< 9.0
Maximum	< 20	< 20	< 20	< 20
Rotation Speed (RPM)	5,400	5,400	5,400	5,400
Data Transfer Rate (MB/sec)				
To/From Media	34.2	34.2	34.2	34.2
To/From Interface	66.7	66.7	66.7	66.7
RELIABILITY				
ARR	1.0%	1.0%	1.0%	1.0%
POWER CONSUMPTION				
Idle (watts)	4.7	4.7	4.7	4.7
Seek (watts)	11.0	11.0	11.0	11.0
DIMENSIONS (INCHES)				
H x W x L	—— 1.02 x 4.0 x 5.78 ——			

Printed in USA (9/99) Stock #PC36 Rev. 4362

MAXTOR

92041U4

91531U3

91021U2

DiamondMax™ 20 VL

New Value Line drives

Announcing the DiamondMax™ VL 20 (Value Line) series from Maxtor. These 1- and 2-disk products are expressly designed for entry-level commercial systems and consumer electronics applications where disk storage value is paramount. The VL series provides the proven quality and reliability of the original DiamondMax products and includes Maxtor's innovative ShockBlock™ and MaxSafe™ feature set for added reliability and superior protection from shock and damage. An UltraDMA 66 interface, 512 KB cache buffer and 9.5 ms seek performance come standard on all VL series.

DSP *Digital Signal Processor* MaxSafe ShockBlock

KEY FEATURES

- 3.5-inch hard drives
- 20.4/15.3/10.2 gigabyte formatted capacity
- UltraDMA/66 Interface
- 9.5-millisecond seek performance
- UDMA 66 data transfers

DiamondMax VL 20 specifications

	92041U4	91531U3	91021U2
PHYSICAL			
Formatted (MB)	20,490	15,367	10,245
Bytes per Block	512	512	512
Buffer Size (KB)	512	512	512
Data Heads	4	3	2
Zones per Surface	16	16	16
PERFORMANCE			
Seek Times (ms)			
Track to Track	1.0	1.0	1.0
Average	9.5	9.5	9.5
Maximum	< 20	< 20	< 20
Rotation Speed (RPM)	5,400	5,400	5,400
Data Transfer Rate (MB/sec)			
To/From Media	34.2	34.2	34.2
To/From Interface	66.7	66.7	66.7
RELIABILITY			
ARR	1.0%	1.0%	1.0%
POWER CONSUMPTION			
Idle (watts)	5.4	5.4	5.4
Seek (watts)	10.6	10.6	10.6
DIMENSIONS (INCHES)			
H x W x L	—— 1.02 x 4.0 x 5.78 ——		

Printed in USA (9/99) Stock #PCVL20 Rev. 4362

KEY FEATURES

- 3.5-inch hard drives
- 17.4/13.0/8.7/4.3 gigabyte formatted capacity
- UltraDMA/66 Interface
- 9.5-millisecond seek performance
- UDMA 66 data transfers

DiamondMax VL 17 specifications

	91741U4	91301U3	90871U2	90431U1
PHYSICAL				
Formatted (MB)	17,410	13,010	8,710	4,310
Bytes per Block	512	512	512	512
Buffer Size (KB)	512	512	512	512
Data Heads	4	3	2	1
Zones per Surface	16	16	16	16
PERFORMANCE				
Seek Times (ms)				
Track to Track	1.0	1.0	1.0	1.0
Average	9.5	9.5	9.5	9.5
Maximum	< 20	< 20	< 20	< 20
Rotation Speed (RPM)	5,400	5,400	5,400	5,400
Data Transfer Rate (MB/sec)				
To/From Media	34.2	34.2	34.2	34.2
To/From Interface	66.7	66.7	66.7	66.7
RELIABILITY				
ARR	1.0%	1.0%	1.0%	1.0%
POWER CONSUMPTION				
Idle (watts)	5.4	5.4	5.4	5.4
Seek (watts)	10.6	10.6	10.6	10.6
DIMENSIONS (INCHES)				
H x W x L		— 1.02 x 4.0 x 5.78 —		

Printed in USA (9/99) Stock #PCVL17 Rev. 4362

92732U8
92049U6
91366U4
91024U3
90683U2

MAXTOR

DiamondMax™ plus 6800

New 27.3 GB from Maxtor!

Introducing the DiamondMax™ Plus 6800 from Maxtor. Available in capacities up to 27.3 GB, this 7,200 RPM performance leader employs Maxtor's unique DualWave™ multi-processor controller, a fast 2 MB cache buffer and an UltraDMA/66 interface to enhance data throughput. Whether your application is technical, multi-media, or Internet, the DiamondMax Plus 6800 will deliver system performance improvements you can feel.

DUAL WAVE PROCESSOR

MaxSafe

ShockBlock

KEY FEATURES

- 3.5-inch hard drives
- 27.3/20.4/13.6/10.2/6.8 gigabyte formatted capacity
- UltraDMA/66 Interface
- < 9.0-millisecond seek performance
- UDMA 66 data transfers

DiamondMax Plus 6800 specifications

	92732U8	92049U6	91366U4	91024U3	90683U2
PHYSICAL					
Formatted (MB)	27,325	20,493	13,662	10,246	6,831
Bytes per Block	512	512	512	512	512
Buffer Size (MB)	2	2	2	2	2
Data Heads	8	6	4	3	2
Zones per Surface	16	16	16	16	16
PERFORMANCE					
Seek Times (ms)					
Track to Track	1.0	1.0	1.0	1.0	1.0
Average	< 9.0	< 9.0	< 9.0	< 9.0	< 9.0
Maximum	< 20	< 20	< 20	< 20	< 20
Rotation Speed (RPM)	7,200	7,200	7,200	7,200	7,200
Data Transfer Rate (MB/sec)					
To/From Media	33.7	33.7	33.7	33.7	33.7
To/From Interface	66.7	66.7	66.7	66.7	66.7
RELIABILITY					
ARR	1.0%	1.0%	1.0%	1.0%	1.0%
POWER CONSUMPTION					
Idle (watts)	7.2	7.2	7.2	7.2	7.2
Seek (watts)	13.4	13.4	13.4	13.4	13.4
DIMENSIONS (INCHES)					
H x W x L	— 1.02 x 4.0 x 5.78 —				

Printed in USA (9/99) Stock #PC6800 Rev. 4362

92720U8
92040U6
91360U4
91020U3
90845U3
90650U2

MAXTOR

DiamondMax™ 6800

New 27.2 GB from Maxtor!

Introducing the DiamondMax™ 6800 from Maxtor – our latest 5,400 RPM drive for storage-hungry desktop systems. Offering up to 27.2 GB of storage, this capacity leader sports an UltraDMA 66 interface and a fast 2 MB 100 MHz SDRAM cache buffer. Featuring our powerful new Maxtor-designed dual microprocessor controller, this drive is the perfect complement for today's high-performance systems and demanding applications.

DSP *Digital Signal Processor* **MaxSafe** **ShockBlock**

KEY FEATURES

- 3.5-inch hard drives
- 27.2/20.4/13.6/10.2/8.4/6.5 gigabyte formatted capacity
- UltraDMA 66 Interface
- < 9.0-millisecond seek performance
- UDMA 66 data transfers

DiamondMax 6800 specifications

	92720U8	92040U6	91360U4	91020U3	90845U3	90650U2
PHYSICAL						
Formatted (MB)	27,226	20,419	13,613	10,209	8,455	6,500
Bytes per Block	512	512	512	512	512	512
Buffer Size (MB)	2	2	2	2	2	2
Data Heads	8	6	4	3	3	2
Data Zones per Surface	16	16	16	16	16	16
PERFORMANCE						
Seek Times (ms)						
Track to Track	1.0	1.0	1.0	1.0	1.0	1.0
Average	< 9.0	< 9.0	< 9.0	< 9.0	< 9.0	< 9.0
Maximum	< 20	< 20	< 20	< 20	< 20	< 20
Rotation Speed (RPM)	5,400	5,400	5,400	5,400	5,400	5,400
Data Transfer Rate (MB/sec)						
To/From Media	27.8	27.8	27.8	27.8	27.8	27.8
To/From Interface	66.7	66.7	66.7	66.7	66.7	66.7
RELIABILITY						
ARR	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
POWER CONSUMPTION						
Idle (watts)	4.5	4.5	4.5	4.5	4.5	4.5
Seek (watts)	10.6	10.6	10.6	10.6	10.6	10.6
DIMENSIONS (INCHES)						
H x W x L	— 1.02 x 4.0 x 5.78 —					

Printed in USA (9/99) Stock #PC6800 Rev. 4362

92048U8

91536U6

91024U4

MAXTOR

DiamondMax™ plus 5120

New 20.4 GB from Maxtor!

Introducing the DiamondMax™ Plus 5120 from Maxtor – our 2nd generation 7,200 RPM drive for high-end desktop and server storage solutions. The DiamondMax™ Plus 5120 features advanced DSP electronics, an UltraDMA 66 interface and 31.2 MB/sec media transfer rates.

AV READY

DSP Digital Signal Processor

KEY FEATURES

- **3.5-inch hard drives**
- **20.4/15.3/10.2 gigabyte formatted capacity**
- **UltraDMA/66 Interface**
- **9-millisecond seek performance**
- **UltraDMA data transfers**

DiamondMax Plus 5120 specifications

	92048U8	91536U6	91024U4
PHYSICAL			
Formatted (MB)	20,480	15,360	10,240
Bytes per Block	512	512	512
Buffer Size (MB)	2	2	2
Data Heads	8	6	4
Data Zones per Surface	16	16	16
Sectors per Track	240 – 401	240 – 401	240 – 401
PERFORMANCE			
Seek Times (ms)			
Track to Track	1	1	1
Average	9.0	9.0	9.0
Maximum	< 20	< 20	< 20
Rotation Speed (RPM)	7,200	7,200	7,200
Data Transfer Rate (MB per second)			
To/From Media	32.4	32.4	32.4
To/From Interface	66.7	66.7	66.7
RELIABILITY			
ARR	< 1.5%	< 1.5%	< 1.5%
POWER CONSUMPTION			
Idle (watts)	6.9	6.9	6.9
Seek (watts)	13.5	13.5	13.5
DIMENSIONS (INCHES)			
H x W x L	—— 1.02 x 4.0 x 5.78 ——		

Printed in USA (9/99) Stock #PC5120 Rev. 4362

MAXTOR

Awards

Recognition

1999 PRODUCT AWARDS

CRN Test Center Recommended
DiamondMax 6800 (27.2 GB)
April 1999, *Computer Reseller News*

Win 100 Hardware
DiamondMax 4320 (17.2 GB)
June 1999, *Windows Magazine*

Win 100 Hardware
DiamondMax Plus 2500 (10.0 GB)
June 1999, *Windows Magazine*

Recommended List
DiamondMax Plus 5120 (20.4 GB)
August 1999, *Windows Magazine*

Recommended List
DiamondMax 4320 (17.2 GB)
March 1999, *Windows Magazine*

Printed in USA (9/99)

Stock #PCDM40/VL20 Rev. 4362