

QUANTUM

Q2000

SERIES

INTELLIGENT DISK DRIVES

Original document scanned at 300bpi and 256 gray shades.

Using ABBYY Finereader v8, images were OCR'ed, uncertain characters and words not in dictionary were checked and this PDF was generated. OCR accuracy cannot be certified.

Original document donated to Computer History Museum

T. Gardner Apr 2006

Quantum's Q200 Series™ is a family of intelligent hard disk drives designed to provide high performance mass storage in a cost-effective package. The three models in the series range from 53 to 160 megabytes of formatted capacity and share a similar disk drive architecture. They use the same heads, the same media and the same integrated controller design. Most important, all three models use the SCSI interface and support the same software commands utilizing the common command set.

Because the products are software compatible, Quantum has made it easier than ever to upgrade and enhance your system — both now and with future products. System upgrades no longer mean expensive hardware and software overhauls to accommodate higher data storage capacities.

Intelligence by design

Quantum's Q200 Series represents a major advancement in disk drive architecture. Quantum was the first to introduce high capacity disk drives with truly integrated controllers. We designed the drive and the controller electronics in tandem to ensure optimal functionality of your mass storage system. What's more, by designing the drive and controller in parallel, Quantum eliminates device level interface logic and improves throughput. The result is a mass storage subsystem fully designed, tested and built by Quantum.

Our innovative design eliminates the need to test and integrate drives and controllers separately, which saves time and money. And by integrating the controller into the drive itself, Quantum not only reduces the number of parts, but also more closely controls product quality. Higher process yields and consistent process control ensure greater reliability and lower costs, which translate into savings for you.

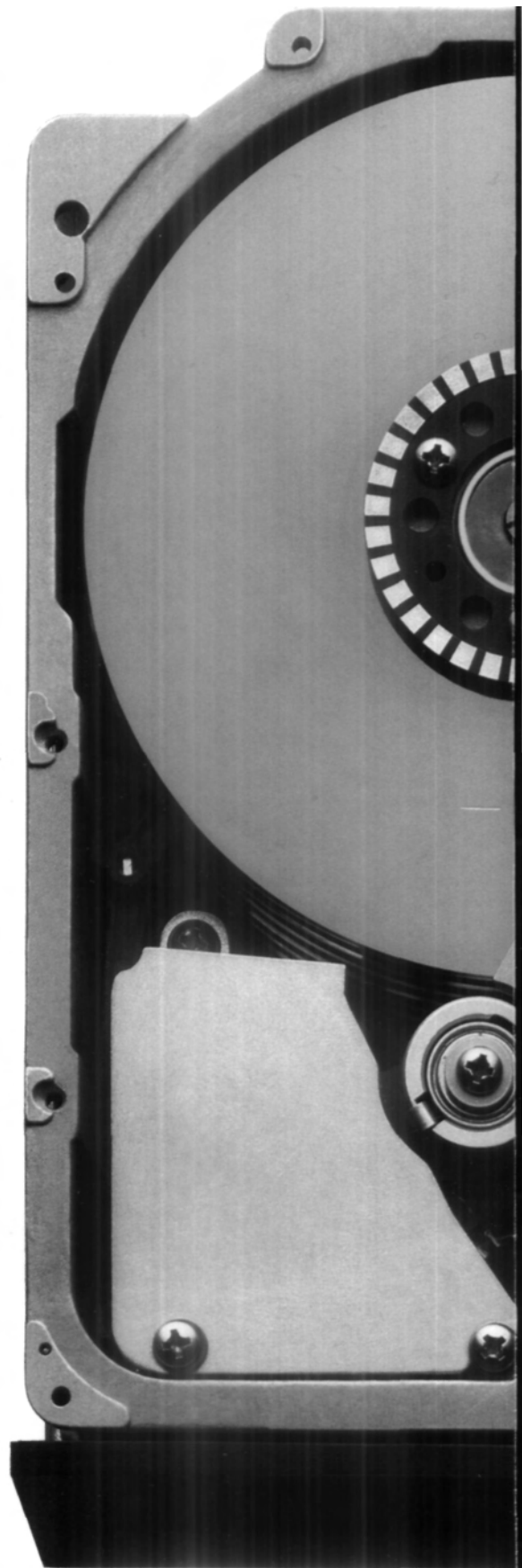
The Q200 Series' integrated controller also means this compact package can do more than ever before, handling routine tasks such as defect management, error correcting, and physical sector addressing, thereby freeing the host system for other activities. By handling more, Quantum drives allow you more flexibility to increase your system's capabilities.

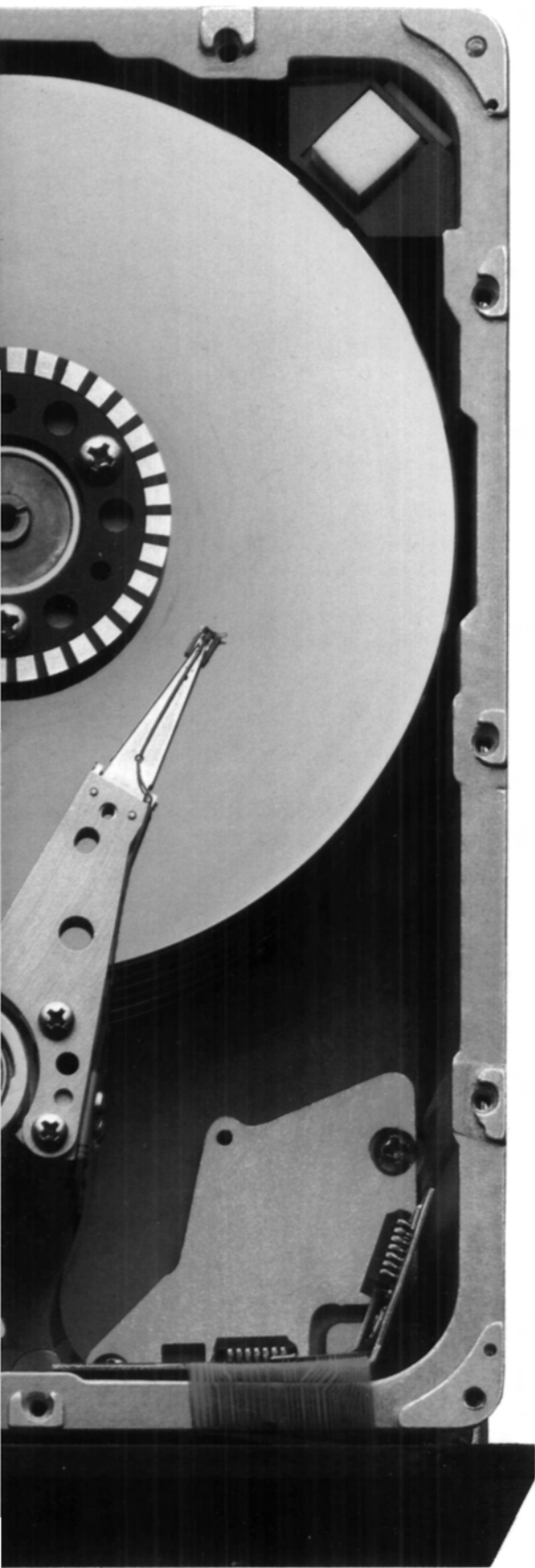
Innovative manufacturing

The Q200 Series offers exceptional quality and reliability largely due to Quantum's innovative manufacturing approach. Quantum believes that one of the best ways to reduce product cost is to design for manufacturability. For the Q200 Series, Quantum designed the products in conjunction with a new, semi automated manufacturing line. The process engineering team worked closely with the product design team from the beginning of the Q200 Series development. Reproducibility is the cornerstone of Quantum's manufacturing philosophy, and design-features that produce variability on the production line were avoided.

Our new custom-designed manufacturing line requires less than 10,000 square feet of space to produce 900 drives during an eight-hour shift — one drive every 30 seconds. This system nearly doubles the output of our previous process, and in just half the floor space with a third the manpower.

Recognizing that the lowest possible costs can be achieved only with exceptionally high yields, Quantum established a process yield goal of 100 percent. A computerized system of statistical process control detects and corrects problems before they can result in defective products, reducing the high cost of scrap, waste and rework. The exceptional quality of both design and manufacturing make the Q200 Series the most cost-effective mass storage devices available.





Proven quality and reliability

Quantum is committed to providing customers with reliable, quality products. The Q200 Series products have a mean time between failure (MTBF) of 25,000 operating hours. Our products' incoming acceptance rate with our customers is over 99 percent. Quantum has also established a ship-to-stock program with many of our key customers, which demonstrates their confidence in the consistent quality of our products.

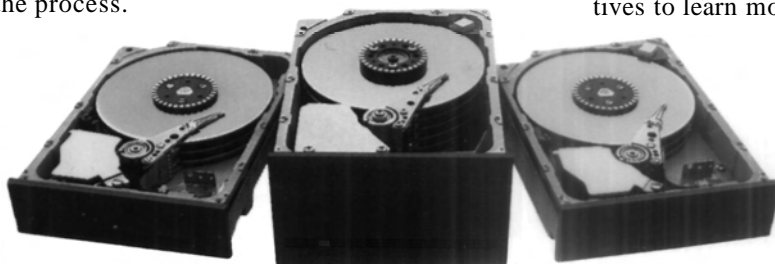
Quantum performs a series of tests to ensure that our products meet our strict standards for reliability and performance. This testing begins with a Design Verification Test prior to building the first prototypes. As initial production begins, Design Maturity Testing is performed to demonstrate that the products meet all functional, reliability and environmental specifications. At the same time, Process Maturity Testing is performed to demonstrate the reproducibility of the process.

Quantum has also established an Ongoing Reliability Testing program in which a statistical sample of drives from each week's production is tested for compliance with published specifications. This helps guarantee that our products continue to maintain consistent quality.

Quantum's quality extends beyond the product itself, to include the quality of service, such as technical support and repair services. At Quantum, we believe that through comprehensive testing programs and partnership programs with suppliers and customers we can continue to offer the most reliable products available.

Smart prices

Quantum has designed the Q200 Series to be the most cost-effective mass storage devices available. In addition to smart prices, our intelligent drives offer you savings throughout the life of the product. Contact one of our sales representatives to learn more.



Q250
53 MB FORMATTED
5 1/4-INCH, HALF HIGH

Q160
160 MB FORMATTED
5 1/4-INCH, FULL HIGH

Q280
80 MB FORMATTED
5 1/4-INCH, HALF HIGH

Q200 SERIES

Quantum

Quantum Corporation*
1804 McCarthy Blvd.
Milpitas, CA 95035
(408) 262-1100
TWX: 910-338-2203
Fax: (408) 943-0689

Western Regional Office
4633 Old Ironsides Drive
Suite 270
Santa Clara, CA 95054
(408) 980-8555

Southwest Sales
2659 Townsgate Road
Suite 101
Westlake Village, CA 91361
(805) 495-7955

Eastern Regional Office*
2 Industrial Way
Salem, NH 03079
(603) 893-2672

Southeast Sales
2710 Jefferson Street
Austell, GA 30001
(404) 944-7442

South Central Sales
1701 N. Greenville Avenue
Suite 201
Richardson, TX 75081
(214) 238-8408

European Operations*

Quantum GmbH
Hahnstrasse 70
D-6000 Frankfurt/M. 71
West Germany
(49) 069-6666-6167
Telex: 417166
Fax: (49) 69-6666-1043

Quantum Peripheral Products Ltd.
Runnymede Malt House
Runnymede Road
Egham, Surrey
TW209BO
England
(011)44-784-34377
Telex: 919778
Fax: (44) 784-31923

International Distributors

Adcomp AG
Lerzenstrasse 27
CH-8953 Dietikon-Zurich
Switzerland
(41) 1-741-4111
Telex: 58657

D D P SRL
Digital Data Products
Corso Moncalieri 72
1-10133 Torino
Italy
(39) 11-650-5185
Telex: 224016

IST
Elektronik Vertriebs GmbH
Kapellenstrasse 9
D-8025 Unterhaching
West Germany
(49) 89-6116151
Telex: 5216650

M.B. Electronique
606 Rue Fourny-Z.I. Centre
F-78530 BUC
France
(33) 13-956-8131
Telex: 695414

Teleinstrument AB
P.O. Box 4490
S-16240 Vallingby
Sweden
(45) 8-380370

S.A. De Technicas Informaticas
(TISA)
Serrano, 156
SP-28002, Madrid
Spain
(34) 1-411-2050
Telex: 45150

SYDEC
Computer Components B.V.
Postbus 6
NL-3769 ZG Soesterberg
Netherlands
(31) 3463-2344
Telex: 70939

Thame Systems Ltd.*
Thame Park Road
GB-Thame, Oxon, OX9 3XD
England
(44) 84-421-7676
Telex: 837508

Ditram Componentes
Electronica Lda.
Av. Miguel Bombarda 133, ID
P-Lisboa 1
Portugal
(351) 1-545313
Telex: 14182

Koolshade Industries Ltd.
7A Chung Nam Center
414 Kwun Tong Road
Kowloon, Hong Kong
China
(852)-3-425294
Telex: 51677

Mooribbin Industrial Services
2 Central Avenue, Shop 4
Aus-Mooribbin, Victoria 3189
Australia
(61) 35-55-3294
Telex: 31255 Attn: MIESERV

Quantum products are distributed
in the United States and Canada
by Arrow Electronics, Inc.

*Authorized repair facility