

# Spectra5000

## Spectra5000



- DDS-3 Tape Technology
- One to Four Tape Drives
- 20, 40 or 60 DAT Cartridges
- LCD Touchscreen Interface
- Extremely Reliable
- Small Footprint

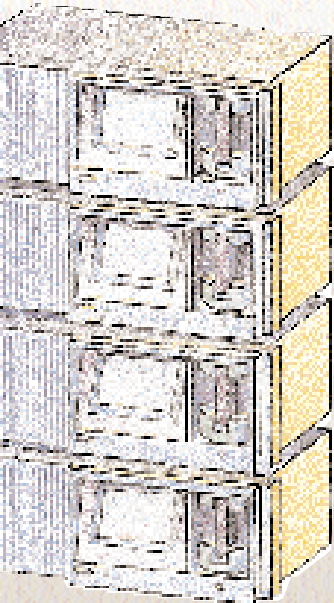


**SPECTRA LOGIC**

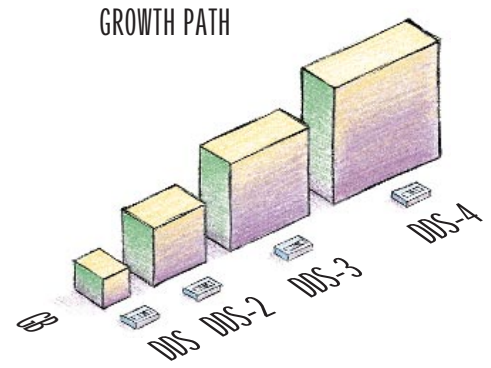
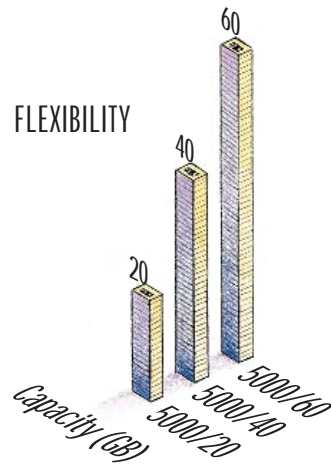




**A 4MM ROBOTIC  
TAPE LIBRARY  
THAT MEETS  
YOUR NEEDS  
NOW AND IN  
THE FUTURE.**



*Multiple Spectra 5000s can be rack mounted, each providing high capacity in only 7" of rack space.*



**PROVEN RELIABLE AUTOMATION FOR  
ADVANCED DDS-3 DAT TAPE DRIVES**

The Spectra 5000 offers affordable, high performance DDS-3 tape technology in a field-proven automated tape library. DDS-3 offers double the throughput and triple the capacity of DDS-2 without the price premium of comparable tape technologies. DDS-3 also offers improved reliability compared to previous DDS technologies.

With random access to 1.8 terabytes of compressed data (720 GB) at 12 MB/second (4.8 MB/second native), the Spectra 5000 tape library family provides cost-effective, automated tape storage for a wide range of environments, including:

- Workgroup networks and servers
- Departmental networks and servers
- Small-enterprise networks and servers

Tape loads are typically accomplished in less than six seconds from a slot or door to a tape drive. Total data access time averages 60 seconds, providing quick single file restores in addition to fast full and incremental backups.

The Spectra 5000 family protects your initial investment with simple and cost-effective upgrade options to meet your future data storage needs. This growth path allows you to field upgrade to DDS-4 technology when it becomes available.

**FLEXIBILITY**

Available in an affordable single-drive, 20-tape cartridge model, the Spectra 5000 design can accommodate 20, 40 or 60 cartridges, one to four DDS-3 tape drives and a barcode reader. The increased capacity, transfer rate and functionality offered by adding drives, cartridges and a barcode reader can be accomplished with a simple field or factory upgrade, further protecting your initial hardware investment.

While only requiring seven inches of space in a rack-mount configuration, the Spectra 5000 is also available in a desktop or tower enclosure. The Spectra 5200 offers two independent SCSI buses for installations requiring additional parallel data transfer for maximum throughput.

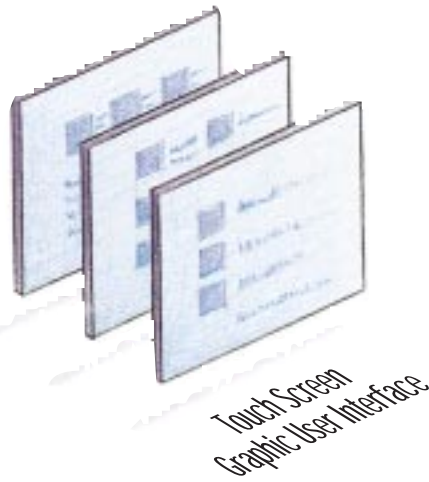
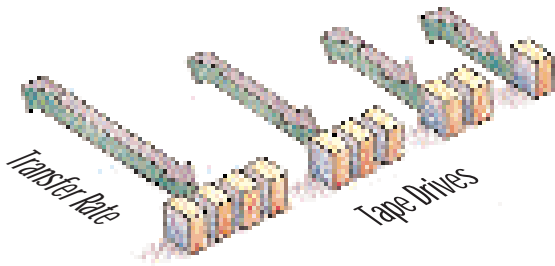
**TOUCHSCREEN USER INTERFACE**

Each Spectra 5000 includes a user-friendly LCD touchscreen interface which allows full control of media, robotics, tape drives and all on-board diagnostics. The Spectra touchscreen functions include:

- Setup and configuration
- Access to real-time system status such as drive error rates and drive cleaning requirements
- Bulk load/unload for fast media loading and removal
- "Queued Unload" for mistake-proof cartridge removal and vault storage via leading storage management software
- Password protection for data security



## PERFORMANCE



## RELIABLE ROBOTICS

Spectra Logic offers unsurpassed expertise in the design and manufacture of reliable robotics mechanisms. Our tape libraries are used to meet the data storage demands of many Fortune 1000 companies today. The fixed-carousel design ensures higher robotic reliability by using fewer moving parts and motors than other tape libraries. Spectra Logic has also taken advantage of Digital Signal Processing (DSP) circuitry to achieve extreme robotic positioning accuracy and robustness. Comprehensive robotic reliability tests yielded results of more than 1,000,000 mean cycles before failure (MCBF).

## SPECTRA LOGIC

Spectra Logic has provided award-winning storage solutions to datacenters since 1979, and the Spectra Logic 5000 tape library continues this tradition. We measure our success by the satisfaction of our customers. Call Spectra Logic (303 449-6400) or visit the Spectra website ([www.spectralogic.com](http://www.spectralogic.com)) for more information.

Include (or add) up to four tape drives. Upgrade to new technology 4mm drives

Dual SCSI buses on 5200 for maximum throughput

Field-proven, ultra-reliable robotics

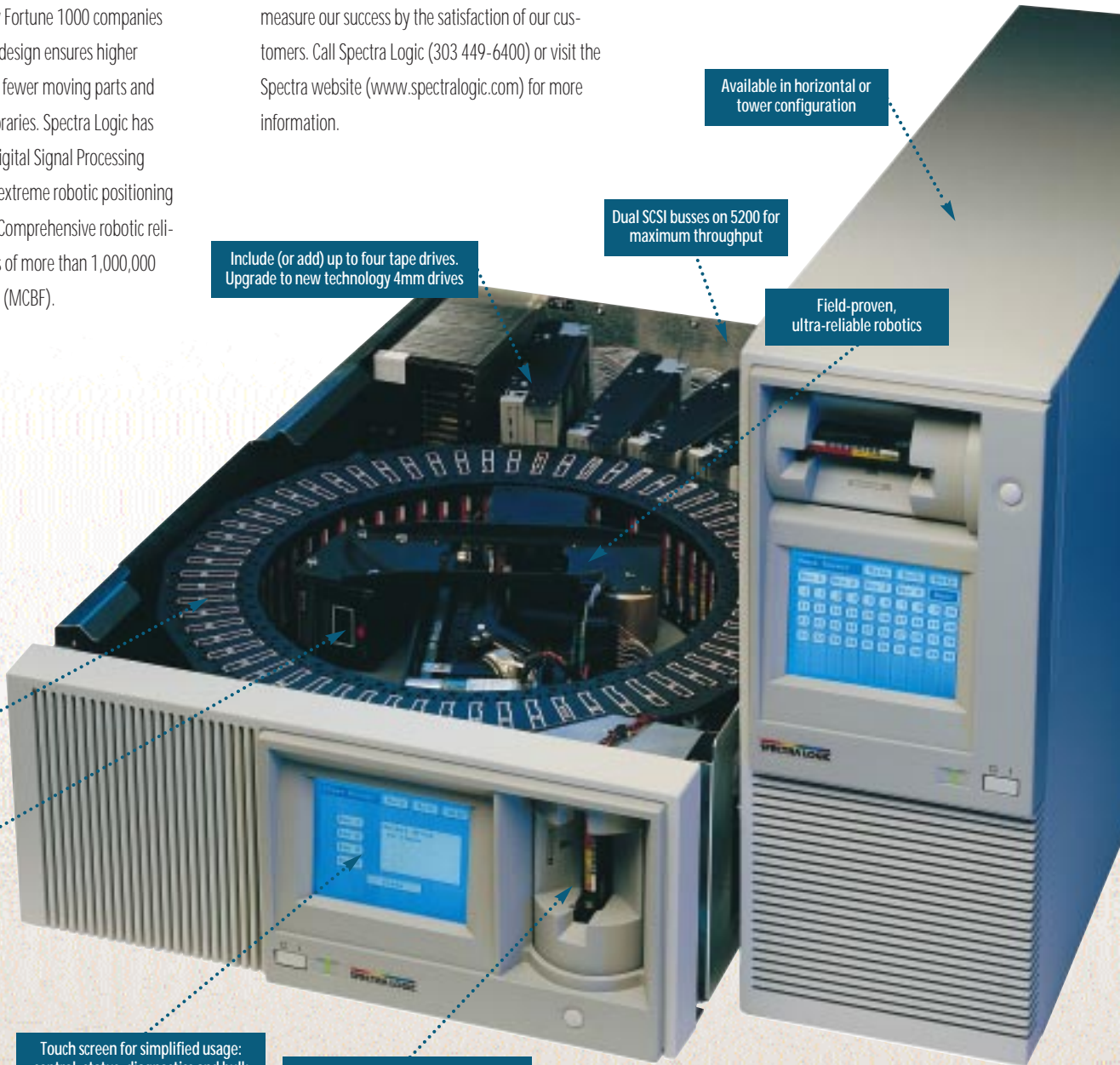
Available in horizontal or tower configuration

Include 20, 40 or 60 cartridge slots (field upgrade to 60)

Optional high speed bar code reader

Touch screen for simplified usage: control, status, diagnostics and bulk load/unload

Entry/exit slot and touchscreen combination restricts access to appropriate cartridges by authorized users.



## SPECTRA LOGIC

Spectra Logic has provided storage solutions since 1979. The firm manufactures and services a large installed base of tape storage, automated tape libraries and network backup software.

### SPECIFICATIONS

Model	Qty Cartridges, Drives	Capacity (Uncompressed, DDS-3)	Capacity (Compressed <sup>1</sup> , DDS-3)
Spectra 5000/20	20/One, two, three or four tape drives <sup>2</sup>	240GB	600GB
Spectra 5000/40	40/One, two, three or four tape drives <sup>2</sup>	480GB	1.2TB
Spectra 5000/60	60/One, two, three or four tape drives <sup>3</sup>	720GB	1.8TB
Spectra 6000 <sup>4</sup>	20, 40 or 60/ up to four tape drives	up to 1.4 TB	up to 3.6 TB

### Performance:

Time to Load cartridge	< 6 seconds.
Transfer Rates, Spectra 5000 <sup>5</sup>	Up to 12MB/second compressed throughput (four DDS-3 drives) Up to 4.8 MB/second native throughput (four DDS-3 drives)
Transfer Rates, Spectra 6000 <sup>4</sup>	Up to 24MB/second compressed throughput (four DDS-4 drives) Up to 9.6MB/second native throughput (four DDS-4 drives)

### Physical:

Tower Configuration:	7.0" x 16.9" x 26.9" (17.78 x 42.93 x 68.33 cm)
Horizontal Desktop:	16.9" x 7.0" x 26.9" (42.93 x 17.78 x 68.33 cm)
Horizontal Rackmount:	16.9" x 7.0" x 26.9" (42.93 x 17.78 x 68.33 cm) 19" rack-mount kit available
Weight:	56 lbs (25.4 Kg) [Tower configuration with two drives and bar-code reader]

### Reliability:

Mean Cycles Before Failure	> 1,000,000 MCBF
Power:	110/220 VAC 50/60 Hz
Power consumption:	157W max (2.0A @ 110VAC, 1.0A @ 220VAC)

### Interface:

Data	SCSI-2 (single-ended or differential)
Robotics	SCSI-2 media changer or RS-232 interface (uses Spectra Logic's Serial SCSI Command Language [SSCL™])

### Notes:

<sup>1</sup>Compression rates used in this document assume a ratio of 2.5 x 1, which is typical of the capacities experienced with the LZW algorithms of DDS drives. Actual results will vary depending on characteristics of stored data.

<sup>2</sup>The Spectra 5000/20 and 5000/40 offer extra cartridge storage slots for each uninstalled drive. For example, a Spectra 5000/40 with two drives installed will offer 40 slots plus an extra two which may be configured for use for extra storage or cleaning cartridges.

<sup>3</sup>The Spectra 5000/60 offers 61 cartridge storage slots with one drive installed, 60 slots with two drives, 59 with three drives and 58 with four drives installed.

<sup>4</sup>The Spectra 6000 family becomes available upon release of DDS-4 technology.

<sup>5</sup>Based on installed Sony SDT-9000 4mm DDS-3 drive.

# SPECTRA LOGIC

**Unylogix Technologies Inc.**

Tel: (514) 253-5200

email: [info@unylogix.com](mailto:info@unylogix.com)

web site: [www.unylogix.com](http://www.unylogix.com)