



# T-Series Libraries

Regardless of size, most organizations face the same data management challenge—efficiently and cost-effectively protecting ever-growing data. Whether you are managing gigabytes or several petabytes of data, finding the optimal backup and archive solution is critical to staying nimble and responsive to your changing business requirements. No matter how much data your organization manages, it is the core of your success.



Spectra® T-Series offers exclusive efficiencies for small businesses all the way to the largest, most data-dependent enterprises. Every T-Series product **lowers costs**—through significantly reduced management time, lower power and footprint usage, and on-demand scalability; **reduces risk**—through very high reliability, decreased downtime, and pain-free encryption; and **saves time**—through extreme ease of use and management by leveraging our BlueScale® software interface.

Feature	Benefits
Integrated encryption and key management	Highest level of security with AES-256 encryption; Key management for LTO-4 and LTO-5 based encryption; BlueScale Encryption Key Management works with all major media types.
Industry-leading storage density	Terapack design results in a smaller library footprint, allowing you to store more data in a smaller space. TeraPack design also improves media handling by reducing the time spent loading tapes into a library by 90%.
Proactive diagnostics and monitoring	Library self-monitoring features notify you and SpectraGuard® support by email to help you proactively manage your library and to minimize downtime.
Local and remote management	Intuitive, color touch-screen interface or a Remote Library Controller (RLC) that displays through any Web browser provide for ease-of use and simplified management.
Assisted Self Maintenance (ASM)	Customers can easily replace certain components and keep them on-site to ensure maximum uptime.
Media Lifecycle Management	Integrated, proactive media management tool records and reports 30 data points every time a tape is loaded, keeping your tapes—and data protected.
Drive Lifecycle Management	Monitors and reports on drive usage and performs verification tests to help prevent drive failures.
Library Lifecycle Management	Manage the health of your library with utilization metrics that track the expected useful life of robotics, filters and other critical library hardware components.
Energy-efficient and power monitoring	T-Series libraries use significantly less power than competing disk and tape products. BlueScale EnergyAudit® software also monitors exactly how much power is being consumed.
TranScale	TranScale® allows you to seamlessly grow your T-Series library while protecting your investment by migrating critical components and expanding capacity without changing your backup/archive setup.
Global Spare	Pre-configured failover drive option guarantees continuous operations
Auto Drive Clean	Library automatically cleans your drives based upon needs and usage
BlueScale Vision	Internal and external web cameras aid with visual diagnosis of problems
Integrated partitioning and mixed media	Shared Library Services (SLS) support multiple partitions within a single library. With SLS, a single Spectra library can appear as multiple libraries to the outside backup environment.
Data Integrity Verification	Ensure that your new media is ready to accept data with PreScan. Verify the integrity of the data stored on your LTO cartridges with QuickScan and PostScan.



# T-Series Tape Libraries



Library	Max. Media/Slot Count	Max. Capacity*	CoD Slot Increments	Max. Drives	Max. Throughput* (TB/hr)	Max. SLS Partitions	Supported Mixed-media	Encryption Support (LTO-4, LTO-5)	Tape Drives Supported	Multiple Robotics	Dimensions H x W x D (Inches) Rack Units
T50e	50	150 TB	5	4 (Half Height)	4.0	4	LTO-3, LTO-4, LTO-5	Yes	LTO-4: FC, SCSI† LTO-5: FC, SAS	N/A	7 x 17.5 x 29 4U
T120	120	360 TB	5	10 (Half Height)	10.1	6	LTO-3, LTO-4, LTO-5	Yes	LTO-4: FC LTO-5: FC, SAS	N/A	24.5 x 17.5 x 36.5 14U
T200	200	600 TB	10	8	8.1	8	LTO-3, LTO-4, LTO-5	Yes	LTO-4: FC, LTO-5: FC	N/A	35 x 17.5 x 40.5 20U
T380	380	1.1 PB	10	12	12.1	8	LTO-3, LTO-4, LTO-5	Yes	LTO-4: FC LTO-5: FC	N/A	49 x 17.5 x 40.5 28U
T680	680	2.0 PB	10	12	12.1	8	LTO-3, LTO-4, LTO-5	Yes	LTO-4: FC LTO-5: FC	N/A	73.5 x 17.5 x 40.5 42U
T950	950 (Drive-frame) 10,050 (8-frame)	2.85 PB (Drive-frame) 30.15 PB (8-frame)	10	24 (1-frame) 120 (8-frame)	24.2 (1-frame) 121 (8-frame)	8	LTO-3, LTO-4, LTO-5	Yes	LTO-4: FC LTO-5: FC	N/A	78.77 x 30.63 x 43.21 45U (Indiv. Frame)
T-Finity	1,920 (3-frame)† 31,820 (26-frame) 127,280 (Complex)	5.8 PB (3-frame)† 95.5 PB (26-frame) 382 PB (Complex)	10	24 (3-frame) 120 (26-frame) 480 (Complex)	24.2 (3-frame)† 121 (26-frame) 483.8 (Complex)	8	LTO-4, LTO-5, TS1140 Technology²	Yes	LTO-4 & 5: FC TS1140 Technology²: FC	Yes	79.15 x 31 x 43.21 45U (Indiv. Frame)

\* Specifications are LTO-5 with 2:1 compression unless otherwise noted. †) Half height drives only. 1) Minimum library configuration (LTO). 2) TS1140: 26-frame configuration: 24,120 slots; 193 PB capacity; 216 TB/hr throughput (2:1 compression).

## SpectraGuard® Worldwide Support

SpectraGuard offers more support options than any other secondary storage vendor today. Support options include self-monitoring and automatic e-mail notification of issues, and a unique Assisted Self Maintenance (ASM) option that minimizes downtime by allowing customers to replace select parts. You can also take advantage of Spectra AutoSupport which proactively and immediately alerts you and SpectraGuard technical support of maintenance requirements and impending problems. Service options include:

- A. SpectraGuard Next Business Day:** Upon verification that the unit requires repair; a replacement part or unit will be shipped the same day for delivery the next business day.
- B. SpectraGuard Next Business Day Onsite:** A SpectraGuard representative will make a repair visit onsite the following business day.
- C. SpectraGuard Same Business Day Onsite:** SpectraGuard guarantees a four-hour onsite response time Monday through Friday, 8AM through 5PM customer local time.
- D. SpectraGuard Four-Hour Onsite:** Designed for environments requiring the maximum amount of uptime 24 hours a day, 7 days a week, 365 days a year. A four-hour onsite response is guaranteed around the clock!

## Spectra Certified Media

Spectra Certified Media is ready to use when you receive it: pre-labeled, pre-loaded in TeraPacks, and covered by Spectra's Lifetime Media Guarantee. Custom-fitted for long-term storage in Iron Mountain cases, Certified Media provides a wide range of media options: bulk or individual cartridges, cleaning cartridges, and custom and standard bar-code labels. Only Spectra Certified Media supports Media Lifecycle Management (MLM), a unique management tool for lifetime health tracking and notification of at-risk media. MLM provides the unparalleled ability to reduce media related issues and ensures that your data will be accessible when you need it.



## Assisted Self Maintenance (ASM)

When a component needs to be replaced, Spectra gives you the option to do it yourself— without onsite support. ASM parts are stocked at your site, giving you the ability to make immediate repairs and eliminate the potential delays associated with parts availability and onsite service calls. Depending upon the product model, ASM parts can include: drive, fan filter, QIP, power supply, LCM/RCM, and robotics.