

SONY®

Why Sony LTO?

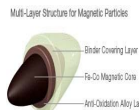


Sony LTO Benefits

- **Ultrium Qualified Media.** All Sony LTO is in compliance with the TPC (IBM, HP, & Quantum) Ultrium specifications. This “Open Standard” means all brands that carry the Ultrium logo are required to work with different manufacturers' Ultrium tape mechanisms.
- **60 years experience** in manufacturing, developing and inventing media. Media tested within all drives and most libraries
- The Sony brand reputation for innovation, quality, reliability and support. **Independent test data** demonstrates that our LTO media has the best write/read and positioning performance of any brand
- **Sony LTO is used daily** in drives from a variety of manufacturers such as IBM, HP, Quantum, Dell, Sun, Qualstar, Cybernetics, Spectra Logic, Sony PetaSite, and more.

Key Technologies:

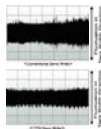
Advanced Alloy Armored Metal Particle (A3MP)



A3MP uniformly coats the metal particles with alloys and ceramics to provide high-output characteristics, maintain a high resistance to environmental conditions, and reduce variations in particle size when compared to conventional materials.

Why is this important? Protection against changes in temperature and humidity. Temperature changes in servers can affect magnetic properties if not coated properly

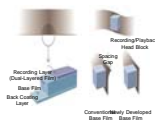
Sony Servo Tracks



Our high-output and high S/N tapes, combined with Sony's original servo writer, provide highly accurate signals. Our highly accurate servo signals improve data reliability by preventing off-tracks during reads and writes.

Why is this important? Increased stability when reading/writing data means fewer tape failures and improved backup/archiving efficiency

Durable Base Material



Sony's newly developed base film improves dimensional change rates and lateral strength by 60% and 45%, respectively.

Why is this important? Conventional magnetic tapes do not ride flat against the tape head. The gaps lead to read/write errors. Sony media stays in contact with the head 100% of the time.

Additional Resources at www.Sony.com/LTO

SONY

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Additional Technologies:

Ultra Sonic Shell Welding



In addition to screws, Sony uses ultrasonic welding to fasten the sidewalls of the door opening for improved ruggedness. This protects the case against damage from drop impact and protects valuable data.

Why is this important? LTO tapes are used for both short and long term archiving. It is important that no dust or other particles enter the shell and cause tape defects. Also, the tape winds at a tremendous speed inside an LTO drive. A weak shell could open up and cause catastrophic damage

High-Strength Shells



Proprietary tests involving over 2 ½ foot drops onto plastic tiles at different orientations helped develop a thoroughly rugged, reliable cartridge. New Polycarbonate material used for enhanced rigidity creates a cartridge that is 15x stronger than VHS tape cartridge

Why is this important? LTO tapes are used for long term archiving. You do not want to risk tape damage when transporting the cartridges to secure locations or if the tape is dropped by accident while handling.

Metal reel core and reel lock mechanism



The reel in a Sony LTO is made of a metal especially susceptible to magnetic attraction while allowing it to withstand high-speed rotation. For additional control, a reel lock on the upper shell, is especially designed to prevent reel misalignment, even when the reel is subjected to physical shock during transport or when stored vertically for long periods in a library.

Why is this important? Any tape movement or misalignment will lead to improper tape-to-head contact and potential read/write errors leading to data loss.

Sony LTO Family



	LTO-1	LTO-2	LTO-3	LTO-4	LTO-5	UCC
Sony Model Name	LTX100GWW	LTX200GWW 20LTX200G	LTX400GWW 20LTX400G	LTX800G 20LTX800G	LTX1500G 20LTX1500G	LTXCLWW
Recording Capacity (Compressed)	100GB (200GB)	200GB (400GB)	400GB (800GB)	800GB (1.6TB)	1.5TB (3.0TB)	Cleaning Cassette for All LTO Formats
Maximum Data Transfer Rate (Compressed)	20MB/s (40MB/s)	40MB/s (80MB/s)	80MB/s (160MB/s)	120MB/s (240MB/s)	140MB/s (280MB/s)	

Library Packs (20LTX ---)



Library pack Models (20LTX) are ideal for Library Systems, Data Centers, Barcode applications, and for IT Managers who are looking to reduce waste of packaging materials.

Library pack Models do not include a P-Case. Those must be purchased separately (100LTXPCase).

