



**For more information:**  
Robyn Eckard  
Fleishman-Hillard, Inc.  
213-489-8254  
[eckardr@fleishman.com](mailto:eckardr@fleishman.com)

## **LINEAR TAPE-OPEN ANNOUNCES FIRST FIVE LICENSEES TO OFFER 'UNIVERSAL' CLEANING CARTRIDGE**

*Open-Standards Technology Allow Single Cleaning Cartridge to Work in any  
Ultrium Format Generation 1 Drive, Creating Increased Tape Storage Efficiencies and Cost Savings*

**SILICON VALLEY, CALIF. — (April 15, 2002) —** Hewlett-Packard Company, IBM Corporation and Seagate Removable Storage Solutions, the three technology provider companies (TPCs) for the Linear Tape-Open (LTO) Program, today announced that EMTEC, Fuji Film, Hitachi-Maxell, Imation and TDK have successfully completed the LTO Program's independent compliance verification testing process and now offer the world's first "universal" cleaning cartridges for LTO Ultrium format Generation 1 tape drives.

The Ultrium universal cleaning cartridge enables end-users to purchase a single cleaning cartridge for use with all Ultrium format Generation 1 tape drives, regardless of the manufacturer, instead of spending additional time and money in supporting several different cleaning cartridges.

The stringent compliance verification process reduces risk of adoption to tape buyers by testing for interchange compatibility with other drives and media manufactured by LTO technology licensees. Licensees are only allowed to use the Ultrium trademark after initial and subsequent annual compliance verification tests.

"The LTO Program's vision from the beginning was to create a technology built on open standards that would provide end users with enormous performance and cost benefits with a choice of multiple vendors while still maintaining the highest levels of data integrity," said Neville Pawsey, general manager of HP Networked Storage Solutions in Bristol, England. "The Ultrium format Generation 1 universal cleaning cartridge is just another demonstration of the LTO Program's commitment to that vision. There is no need for different cleaning media for each Ultrium format Generation 1 drive when one cleaning cartridge takes care of it all."

Storage and media manufacturers interested in licensing LTO technology may obtain information by contacting the Law Offices of Ladas & Parry at (323) 934-2300, or by e-mail at LTO\_INFO@ladasparry.com.

**About Linear Tape-Open (LTO) Technology**

LTO technology is a powerful, scaleable, open tape format created by technology providers Hewlett-Packard Company, IBM Corporation and Seagate Removable Storage Solutions to meet the growing demands of data protection in the midrange to enterprise-class server environments. This new generation of tape storage products delivers outstanding performance, capacity and reliability combining the advantages of linear multi-channel, bi-directional formats with enhancements in servo technology, data compression, track layout, and error correction.

The LTO Ultrium format storage solution is a single-reel, high-performance tape cartridge ideal for backing up, restoring, and archiving applications. As a market-leading tape technology for ultra-high capacity storage, the LTO Ultrium format is the only tape storage technology with a well-defined four-generation roadmap for growth and scalability – doubling speed and capacity with each new generation, and delivering significant data integrity improvements over current tape storage formats.

While the LTO Program gives licensees wide latitude in implementing mechanical and electrical designs, strict adherence is required to format specifications impacting the ability to read and write Ultrium format tape cartridges. Independent compliance verification is vital to meet the free-interchange objectives that are at the core of the LTO Program. With numerous compliance checkpoints for each LTO technology product, end-users and OEMs can be confident of data interchangeability between LTO products regardless of the manufacturer.

Ultrium tape mechanism and tape cartridge interchange specifications are available on a licensee basis. For additional information on LTO Ultrium technology, visit the Ultrium Web site at <http://www.ultrium.com>.

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*Note: Linear Tape-Open, LTO, and Ultrium are U.S. trademarks of HP, IBM and Seagate.*