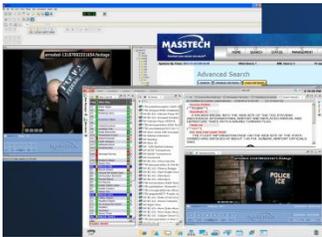# A Media and Entertainment Storage Solution Brief: Masstech's Media Asset Management Solutions and Oracle's StorageTek Digital Archive

The high-resolution digital images produced by modern professional video cameras are putting stress on legacy storage systems used by studios. News organizations make a compelling argument for retaining even more of their raw content in order to extract maximum value from each frame of source material. As a result, both studios and newsrooms are looking for innovative solutions to store, access, and archive digital assets.

Oracle's StorageTek product line combined with Masstech's media asset management solutions address the challenges of managing digital archives. Oracle and Masstech work closely together to ensure end-to-end interoperability for media and entertainment environments.

Masstech Media Management Solutions

Masstech Media Management Solutions

Masstech for Enterprise makes it easy to repurpose and share archived content as needed, reducing content creation costs and extracting maximum value from archived resources.

Masstech solutions replace time-consuming, repetitive media management tasks with automated and configurable content workflows designed to support critical operations. Integration with production, distribution, and business systems means Masstech manages the entire lifecycle of content. Valuable content is effortlessly archived and easily discoverable. Staff quickly find relevant content stored anywhere in your organization and put it to work.

Masstech for Enterprise:
- Automatically ingests and stores content
- Provides easy access to material retained locally or remotely
- Drives media asset management functionality easily from within familiar desktop tools
- Includes a powerful transcoding engine that ensures video appears in the correct format and resolution for every application from desktop preview to playout
- Offers intuitive, drag-and-drop style interfaces that fully automate workflow management
- Grows with you—no hidden fees as storage scales up

Masstech for News
- Delivers a complete archive, media management and content sharing workflow for news--stations, groups and networks
- Provides the Video Follows Text advantage--text, metadata and media transfer as a single package between locations, production servers and even different newsroom systems
- Eliminates the learning curve—supports media management through, and between, most popular newsroom computer systems (NRCS)
- Share and push content between different sites and news production systems
- Lowers content creation costs by encouraging sharing and reuse

Masstech and Oracle

Masstech and Oracle work together to ensure Masstech's enterprise solutions are qualified with Oracle's entire StorageTek portfolio.

Oracle's StorageTek T10000 Tape Drives

The world's highest capacity tape drives—the latest generation supports 8.5 TB native on a single cartridge, more than three times the capacity per cartridge than LTO 6.

Selecting an Archive Format

Both digital tape and disk hardware systems are leveraged in media and entertainment archive environments, but the mix between digital tape and disk is evolving. Over the past several years, digital tape capacities have grown rapidly while increases in disk capacities have slowed. Today the highest capacity digital tape is 8.5TB while disk capacities are around half of that. Additionally, disk systems consume more power and are refreshed more frequently than digital tape, leading to a high total cost of ownership. These changes in the storage market have disrupted archive deployments and organizations are increasing their digital tape investments while reducing their expenditures on disk storage. For a detailed analysis of disk versus digital tape costs, there is a public report available from one of the leading industry analysts on storage, The Clipper Group. The Clipper Group report can be accessed at the following link: http://www.clipper.com/research/TCG2010054.pdf

Oracle's StorageTek Digital Archive

Oracle's StorageTek portfolio is engineered for digital archiving. Oracle offers the world highest capacity digital tape technology, the StorageTek T10000 series of tape drives, as well as the highest performing and most scalable digital tape libraries in the world. With Masstech solutions, you have access to the StorageTek T10000 tape drives, as well as the midrange LTO drives. In addition, Masstech software has been tested with Oracle's StorageTek SL8500 modular library system, the world's largest digital tape library, as well as the StorageTek SL3000 and StorageTek SL150 modular tape libraries.

Digital Tape Libraries	Digital Tape Drives
StorageTek SL8500 Modular Library	StorageTek T10000C LTO 4, LTO 5, LTO 6 (HP and IBM) Fibre Channel Only
StorageTek SL3000 Modular Library	StorageTek T10000C LTO 4, LTO 5, LTO 6 (HP and IBM) Fibre Channel Only
StorageTek SL150 Modular Tape Library	LTO 5, LTO 6 (HP HH only) Fibre Channel and SAS

In addition to supporting Oracle StorageTek tape hardware, Masstech solutions support the core features of tape and tape robotics, which include multistreaming to tape, multiplexing to tape, offsite tape management – vaulting, redundant robotics, and multi-cartridge access port environments and more.

Oracle's StorageTek SL150 Modular Tape Library

The only entry tape library that grows with you. The digital library starts at 30 slots and scales to 300 slots in 10 increments. The maximum capacity of the system is 750 TB of uncompressed data.

CONTACT US

For additional details on Masstech software solutions, please visit us at: www.masstech.com.

For additional details on Oracle's archive solutions, please visit us at: www.oracle.com/goto/tape.

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