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## Telex 5600 Automated Tape Library

By Memorex Telex

Trying to solve your tape storage and access problems in an already crowded data center? Memorex Telex offers solutions that meet today's enterprise storage needs, including multiplatform attachment to AS/400s, mainframes, UNIX servers, and network servers.

The new Memorex Telex 5600 Automated Tape Library (ATL), enhanced 5498 tape drive, and 5499 controller, together with Library Management Software, provide a powerful automated tape solution for your company.

The new 5600 ATL, known as Sultan, is the centerpiece of Memorex Telex's storage solutions. It offers high capacity, a small footprint, and reliability, serviceability, and availability. Dual robotic accessors provide high performance and low fault tolerance. The dual robot system means that if one robot falters, the other continues functioning while repairs to the first are being made, assuring uninterrupted access to data



and transports. Each robot can access every cartridge and every tape drive in the library. Each is equipped with its own bar code label reader to clearly identify individual cartridges during mount operations.

Sultan's robotics are 30 percent faster in both horizontal and vertical directions than the previous generation ATL. Dual robots function concurrently to maintain high performance under heavy loads. The high-speed robots, combined with shorter travel distances and more efficient drum layout (seven faces per drum), deliver cutting-edge performance. Sultan is capable of performing more than 350 mounts per hour—depending on the work

load and configuration—and it supports 2,330 to 48,508 cartridges that accommodate up to 116 terabytes (TB) of compressed data.

Sultan configurations are built from modular units: drum, tape, and accessor. Each tape unit features four or eight transports. Tape controllers are physically separated from the library (up to 14 meters away), and have one or two directors. Up to 32 directors and 64 transports are configurable, giving you a 1:2 controller/transport ratio for even the largest storage capacities. The cartridges are stored in high-density, rotating-drum units, which house 730 cartridges per square meter,

making efficient use of data-center floor space. Sultan configurations are typically 40 to 60 percent shorter in length than carousel configurations of previous generations with equivalent capacity.

Library Management Software (LMS) features intelligent handling of tape errors, a dynamic approach to automating tape mounts, and powerful facilities for directing tape allocations into the library. It gives customers control over storing tape data by automating access to reliable, high-performance cartridge tape, while minimizing the cost of automated tape-library hardware. LMS supports Sultan for multiple virtual storage and virtual machine, and it provides open systems connectivity for OS/400, UNIX, network server, and virtual storage extended platforms.

Memorex Telex draws on more than 30 years of experience in addressing the networking and storage needs of companies with SNA-based environments. Its headquarters is in Irving, Texas. Memorex Telex 5600 Automated Tape Library with Library Management Software, and an enhanced 5498 tape drive and 5499 controller, begins at \$360,000.00.



# Memorex Telex Announces New Automated Mass Storage Solutions to Mainframe and Networked Environments; Smaller, Faster ATL Offers Industry's Highest Levels of Availability and Tape Mount Performance.



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today announced new automated storage solutions that provide significantly enhanced floor space efficiency and reliability, plus faster robotic and cartridge mount performance for customers with mixed platform data center environments.

Memorex Telex's new offerings provide customers with solutions that meet today's enterprise storage needs, including multi-platform attachment to mainframes, UNIX servers, AS/400 and network servers. These solutions offer the benefits of mainframe data security and integrity to users of shared network environments.

The new Memorex Telex 5600 Automated Tape Library (ATL), enhanced 5498 tape drive and 5499 controller, together with Memorex Telex's exclusive Library Management Software (LMS), provide a powerful automated tape solution which extends the company's enterprise-wide storage offerings at the mass storage level.

The new 5600 ATL, also known as Sultan, is the centerpiece of Memorex Telex's new storage solutions. In addition to a 30 percent enhancement in cartridge mount performance, Sultan offers several key advantages, including higher capacity, a significantly smaller footprint, and improved reliability, serviceability, and availability.

In addition, Sultan provides support for LMS, the industry's leading ATL software, tremendous scalability and enhanced cartridge entry and exit. Dual robotic accessors provide continuation of Memorex Telex's proven fault tolerant ATL heritage. Sultan provides support of current 1/2 inch linear cartridge tape and will also support future 3590 compatible technology.

"Today's data center comprises more than just the mainframe -- requiring storage

solutions that support all elements of the integrated network environment," said Brad Sowers, vice president of worldwide marketing for Memorex Telex. "Memorex Telex's new ATL and tape drive offerings provide customers with flexible, reliable and cost-effective storage solutions that maximize existing data center investments and provide support for open network environments."

### Sultan ATL

Memorex Telex's 5600 ATL provides superior tape mount performance -- at more than 350 mounts per hour -- and features significant data storage capacity and cartridge density enhancements. Sultan supports from 2,330 to 48,508 cartridges and accommodates up to 116 terabytes of compressed data. Sultan's new drum design facilitates faster physical distribution and placement of tape cartridges.

The new ATL offers a significantly smaller footprint, 40-60 percent shorter in length for its capacity, which saves users valuable space in crowded environments. Continuing the legacy established by Memorex Telex's 5400 ATL, Sultan features proven fault tolerant capabilities via dual robotics technology. Concurrent dual robotics ensure high performance and unmatched fault tolerance.

The dual robot system ensures that if one robot falters, the other robot continues functioning during repairs to assure uninterrupted access to data and transports. Each robot can access every cartridge and every tape drive in the library.

The 5600 ATL features Memorex Telex's market-leading LMS technology, renowned for its intelligent tape error handling capability, dynamic approach to automating tape mounts and powerful facility for directing tape allocations into the library. LMS empowers customers with control over tape data storage by automating access to reliable, high-performance cartridge tape, while minimizing the cost of automated tape library hardware. LMS supports Sultan for MVS and VM. LMS also provides open systems connectivity for UNIX, network server, OS/400 and VSE platforms.

### 5498 Tape Drive and 5499 Controller

Memorex Telex's new ATL also features up to 32 controllers and 64 tape drives, achieving a 1:2 controller-to-drive ratio, which provides high performance for very large capacities. The new 5498 tape subsystem is an enhanced version of Memorex Telex's field-proven 5490E subsystem and provides both ESCON and parallel channel attachment. The 5499 controller is designed as a standalone unit, operating up to 14 meters away from the 5600. The 5498 tape drive can be rolled up to the new Sultan ATL to provide enhanced investment protection and flexibility.

## Advanced Services Solutions

Memorex Telex complements these storage solutions with a full suite of Advanced Services. These services -- including consulting and strategic planning, installation and integration of enterprise network storage configurations, product maintenance and education -- provide customers with customized solutions for their specific computing needs.

## Company Background

Memorex Telex (NASDAQ:MEMXY) draws upon more than 30 years of experience in addressing the networking and storage needs of companies with SNA-based environments. Operating in more than 20 countries around the world, with distributor links in many others, Memorex Telex maintains a global organization of more than 4,000 professionals. Memorex Telex provides customers with enterprise networking and storage solutions through Advanced Services, a best-of-breed product strategy, and strategic alliances with industry leaders including IBM, Intel, Shiva, Novell, Fujitsu, Data General, and Cisco. For more information, call 800/944-4455, ext. 7788. Memorex Telex's home page address is <http://www.mtc.com>

## CONTACT: Memorex Telex

Laura Streeter, 214/714-7648

or

Miller/Shandwick Technologies

Fran Kelly or Gwen Lewis, 617/536-0470

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