

SAIT/AIT WORM TAPE TECHNOLOGY

Write Once — Read Many

**SIMPLY RELIABLE
BACKUP AND ARCHIVAL
STORAGE SOLUTIONS**

- ◆ Unalterable Data Storage
- ◆ Prevents Undetectable Erasure or Alteration
- ◆ Data Can Never be Erased or Overwritten

QUALSTAR®

WORM Tape Is Ideal for Regulatory Compliance

The US government has recognized the importance of preserving certain classes of the data created by US business that are managed solely in the digital domain (computer file types). The US Congress has enacted far-reaching regulations that dictate appropriate handling, security, and storage practices to ensure that these records are both preserved and readily accessible.

Laws such as Sarbanes-Oxley that target US publicly traded companies, Gramm-Leach-Bliley affecting financial institutions, and the Health Insurance Portability and Accountability Act (HIPAA) affecting the healthcare industry all have sections requiring that electronic data be stored in an unalterable manner.

Almost every branch of the US government has also established regulations related to the longterm storage of information: SEC Rules 17a-3, 17a-4 and others, set forth data storage requirements for brokers in the securities industry. FDA Title 21 CFR Part 11 directs how pharmaceutical companies store information pertaining to drug testing. The DoD stipulates that contractors must comply with DoD Directive 5015.2. The Commodity Futures Trading Commission Title 17 CFR Part 1 governs the record keeping practices of commodities traders. The Federal Energy Regulatory Committee Part 125 directs how public utility providers must keep and report their vital information. Regulatory and legislative bodies in Europe, Canada and Asia have enacted similar regulations or are planning to do so in the near future.

While different in many ways, all of these regulations share a common goal: to insure data integrity. Data must be stored in a way that prevents undetectable erasure or alteration. WORM, Write Once Read Many, technology is ideal for meeting all of these requirements. Originally developed for magneto optical disks, WORM technology has recently been applied to tape.



Sony AIT and SAIT tape drives have been enhanced to provide true “Write Once, Read Many” functionality when combined with specially coded WORM tape cartridges. WORM tape delivers the same unalterable data protection as traditional optical disk, but is far more economical and space-efficient. Using typical data compression techniques, one SAIT WORM tape, for example, can hold over 1.3 terabytes of data on a single cartridge, equivalent to more than 142 optical disks.

WORM-capable AIT and SAIT drives are “multi-function” and provide the flexibility of interchangeably using standard read/write tapes for traditional backup, archival storage and data protection applications, or WORM-specific tape cartridges to provide write-once, unalterable data integrity.

RLS-Series WORM / Multifunction Libraries Once data is recorded onto a WORM tape it can never be erased or overwritten, either inadvertently or intentionally, thus creating a permanent record of the information. WORM tape meets mandatory requirements for storing unalterable data within an electronic storage system while providing advantages in both initial cost, cost of ownership, space efficiency and flexibility.

Qualstar tape libraries provide an ideal platform for customers requiring long term electronic records compliance. All models of Qualstar AIT ([TLS-4000 Series](#) and [RLS-4xxx](#)) and SAIT ([TLS-5000 Series](#) and [RLS-5244](#)) libraries support WORM tape recording functionality as a standard feature.



RLS-Series WORM / Multifunction Libraries