

FUJIFILM

FUJIFILM RECORDING MEDIA



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**FROM DATA BACKUP TO DIGITAL MEDIA ARCHIVE,
THERE IS A FUJIFILM PRODUCT THAT PRECISELY
FITS THE APPLICATION.**

■ STORAGE

Fujifilm's highly reliable storage products help organizations run smoothly and minimize the risk of data loss. Our research laboratories develop key technologies that enable the data storage solutions of tomorrow.

The LTO ultrium data cartridge became the standard in high-capacity, high-reliability data storage.

Fujifilm achieved with his latest Ultrium 6 media the first LTO in the world midrange data storage product to use Fujifilm's advanced NANOCUBIC coating process produced with BARIUM FERRIT magnetic particles.

■ ARCHIVE SOLUTIONS

In many companies, the subject of "Archiving" presents the decision makers with a whole range of problems: conventional archiving methods cause unpredictable costs, are fraught with security risks, and may prove to be unreliable when the data is recovered.

Fujifilm now offers a programme of optimised services for archiving large volumes of data.

Fujifilm d:ternity addresses all of the disparate considerations of long-term corporate data archiving in a single, long-awaited solution.

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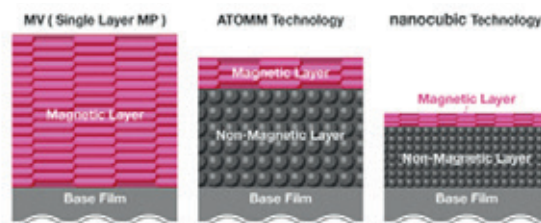
Fujifilm sets the benchmarks for computer data storage, professional video production and TV broadcasting. Whether recording dramatic footage or safeguarding corporate data, our products assure reliability backed by continuous innovation.



NANOCUBIC TECHNOLOGY

■ COATING TECHNOLOGY

High-density digital recording requires an extremely thin recording layer. Nanocubic technology allows the production of nanometer-scale ultra-thin coatings (one nanometer = one-billionth of a meter). This results in higher resolution for recoding digital data, ultra-low noise and high signal-to-noise ratios that are ideal for magneto resistive (MR) heads. It is Capable of catapulting data cartridge to one-terabyte native (uncompressed) capacities.



For example, it's like spreading 1 liter of paint over an area the size of 4 football fields! (Magnetic Layer Thickness ≈ 50nm)

Nanocubic employs an advanced precision coating process that can control the thickness of the magnetic layer on a nanometer scale.

An advanced precision coating process creates layers 5 times thinner than existing technologies.

■ PARTICLE TECHNOLOGY

Two types of magnetic particles were developed for NANOCUBIC both just tens of nanometers in size: acicular ferromagnetic alloy and tabular ferromagnetic hexagonal barium ferrite.

■ DISPERSION TECHNOLOGY

NANOCUBIC uses a special organic binder material that has the ability to thoroughly disperse the particles in the coating solution so that a uniformly packed structure of the layer is realized.



Barium Ferrite

BARIUM FERRITE

■ ABOUT BARIUM FERRITE

Barium Ferrite is a new type of magnetic particle which can be greatly reduced in size to improve recording density without magnetic signal loss.

■ HIGHER CAPACITY

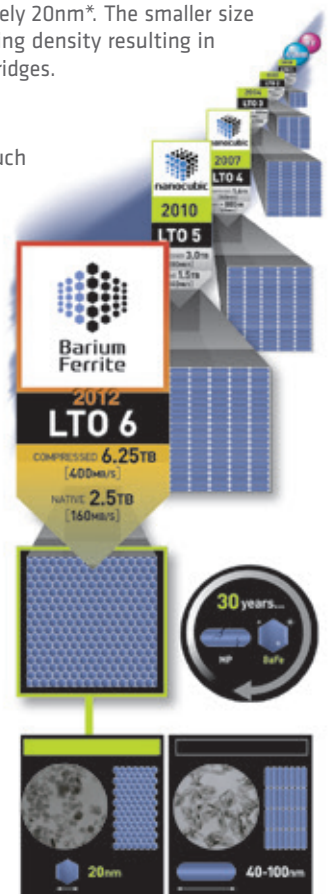
Regular metal particle (MP) is approximately 40 -100nm whereas Barium Ferrite is approximately 20nm*. The smaller size enables much higher recording density resulting in super high capacity data cartridges.

■ LONG ARCHIVAL LIFE

Barium Ferrite has a much longer life compared to metal particles (MP). LTO drive systems are recommended for upgrade every 10 years and although the LTO road map is primarily hardware dependent, the need can be quite different, with longer archive life often being the major priority.

■ RECORDING STABILITY

Barium Ferrite produces a tape with better frequency characteristics and greater SNR.



FUJIFILM TECHNICAL SERVICES



Fujifilm possesses a special portfolio of services for backup solutions that can be offered in tailor-made packages. With this solution, Fujifilm will in future be focussing on comprehensive data services with a seamless security strategy.



■ ANALYSING + HEALTH CHECK

Stop risks before they cause mayhem

The data media are checked and analysed thoroughly, so that any risk to the data are detected early on and can be eliminated.



■ DATA RECOVERY

We rescue everything we can

The Fujifilm Service Team rescues data you believed was lost forever, copy it to new data media and thus enable you to access it again with ease.



■ LABELLING & INITIALIZING

Immediate use without any delay

Upon customers request, Fujifilm takes charge of the time-consuming and laborious labelling and initializing of high-quality data cartridges.



■ LASER ETCHING

Make no mistakes

To ensure clear identification, information is burned onto the cartridges by laser. This etching cannot be removed.



■ DATA MIGRATION

Complex and time-consuming transfers made easy

The time-consuming transfer of extensive volumes of data from older systems to new ones can now be performed entirely by our data migration service.



■ DATA DISPOSAL

The totally secure way to eliminate data

At Fujifilm, the disposal of data media means the controlled and certified destruction of data media and thus the irrevocable elimination of all data.



■ DATA CONVERSION

All your data in one single stroke

Our data conversion service transfers data from all kinds of storage media, data structures and formats onto a shared new backup system.



■ LIBRARY PACK - THE ALLROUND PACK

The innovative, sturdy transport and archiving packaging developed by Fujifilm for Enterprise products and, on request, for LTO data cartridges too, facilitates quick and easy unpacking, transportation and stacking. They also protect securely against shock, humidity and dust. **Content: 20 pcs.**



Fujifilm now offers a programme of optimised services for archiving large volume data. Fujifilm d:ternity addresses all of the disparate considerations of long-term corporate data archiving in a single, long-awaited solution.

■ D:TERNITY SECURES YOUR DATA FOR ETERNITY

In many companies, the subject of "archiving" presents the decision makers with a whole range of problems. Conventional archiving methods cause unpredictable costs, are fraught with security risks, and may prove to be unreliable when the data is recovered.

The d:ternity solution has been developed using decades of experience accumulated by the data specialists at Fujifilm. This solution ensures that cost, security and reliability considerations are not longer go in conflict with each other.

- low administrative commitment for maintenance
- substantial cost savings
- certified security standards at all process levels
- observes compliance guidelines

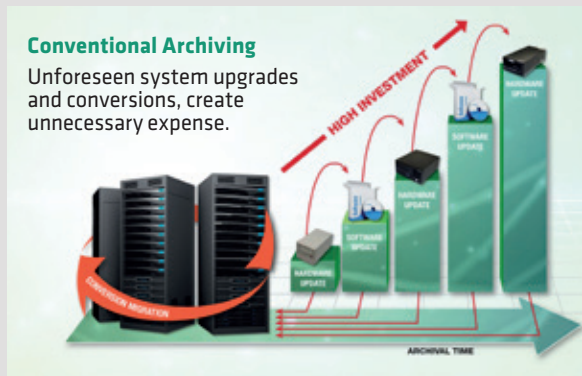
■ D:TERNITY IS AN ARCHIVING SYSTEM THAT BEGINS IN YOUR OWN COMPANY.

The d:ternity archiving process offers the following steps:

- Developing an archiving concept in consultation with you (system configuration, data formats, retention time, backup intervals, API backups)
- Transporting your data to our certified high security centre (optional)
- Processes for receiving, verifying and restoring your data
- Analysing your data stock, harmonising the data in a standardised, neutral format
- Providing a data index that you can view in your own d:ternity web portal
- Recall process: requesting your data when it is needed

With d:ternity, you can rely on the data specialists at FUJIFILM and save you the trouble of maintaining your own archiving system will all the associated costs and risks. You will no longer have to worry about updates, upgrades and conversions. You can plan your IT budget well into the future, with your expenses substantially reduced.

d:ternity - Archiving with the data specialist!



For further information, please refer to our website www.fujifilm.eu or www.dternity.eu

