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**Damon Robertson**  
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**FUJIFILM**  
RECORDING MEDIA

 **FUJIFILM**

**TAPE CARTRIDGE**

# 3592

**FUJIFILM 3592 ENTERPRISE TAPE CARTRIDGE**

for IBM 3592 TotalStorage® Enterprise Tape Drive Systems

**Rock-solid reliability  
for enterprise-class  
high-capacity data  
storage.**



**Tape Cartridge Featuring  
NANOCUBIC-Technology!**

**DATA**

VIDEO

AUDIO

## FUJIFILM 3592 Tape Cartridge Series

for IBM 3592 TotalStorage® Enterprise Tape Drive Systems

FUJIFILM 3592 "DATA" Tape Cartridge,  
Capacity storage: 300GB  
(900GB with 3:1 compression)



FUJIFILM 3592 "ECONOMY" Tape Cartridge,  
Capacity storage: 60GB  
(180GB with 3:1 compression)



FUJIFILM 3592 "WORM" Tape Cartridge,  
Capacity storage: 300GB  
(900GB with 3:1 compression)



FUJIFILM 3592 "WORM ECONOMY" Tape Cartridge,  
Capacity storage: 60GB  
(180GB with 3:1 compression)

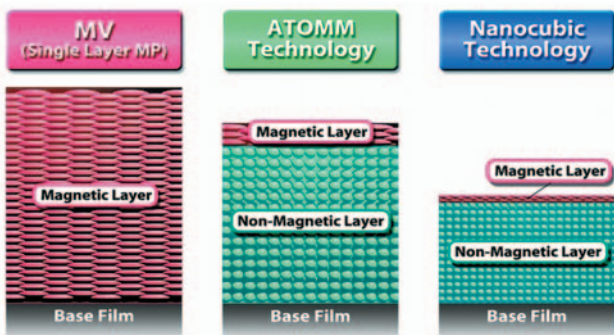


nanocubic

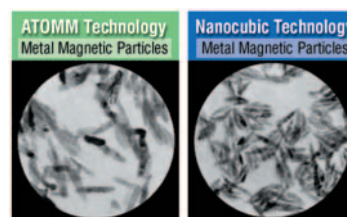
### Tape Cartridge featuring Nanocubic Technology

High-density digital recording requires an extremely thin recording layer. As opposed to ATOMM\* Technology, which was the first technology to allow the production of submicron-scale thin metal coatings, Nanocubic technology allows the production of nano-meter-scale ultra-thin coatings (one nanometer = one-billionth of a meter). In addition, nano-particle technology is employed to create magnetic needle-shaped metal particles and plateshaped barium-ferrite particles that are only a few tens of nanometers in size, and a new high-molecular binder material and nano-dispersion technology are used to ensure uniform dispersion of the particles. Using Nanocubic Technology, it is now possible to create data cartridges that offer low noise, excellent storage characteristics, and capacities in excess of one terabyte.

### Structural Comparison of Magnetic Media



### Microscopic Comparison of Magnetic Particles



### High-reliability sliding door mechanism

Dust protection and durability are enhanced by a highly reliable curved sliding door and leader pin system.



Sliding Door Closed

Sliding Door Open

\* ATOMM : Advanced Super Thin Layer & High Output Metal Media Technology)

# FUJIFILM 3592 Tape Cartridge Series

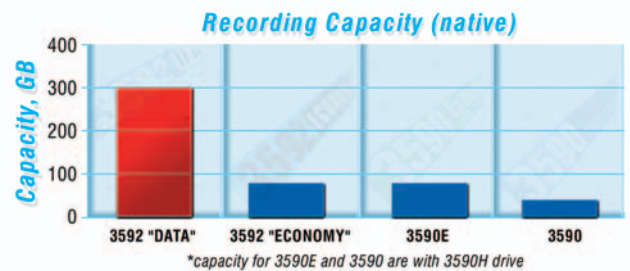
for IBM 3592 TotalStorage® Enterprise Tape Drive Systems

## Proprietary Nanocubic Technology assures high capacity and rock-solid reliability

In today's information age, enterprise-class data storage systems require the use of storage media that offer both high capacity and high reliability. Fujifilm 3592 Tape Cartridges for IBM 3592 TotalStorage® Enterprise Tape Drive Systems offer outstanding reliability, and as the first product to feature our proprietary Nanocubic thin-coating technology for magnetic media, they offer a native capacity of 300GB (900GB with 3:1 data compression) and a native data transfer speed of 40MB per second (110MB per second with 3:1 data compression).

### DATA: 300GB (Native) High Capacity Tape Cartridge

With highest recording density and the capability to record 512 tracks, this Tape Cartridge achieves the highest capacity of 300GB (Native) and 900GB (3:1 data compressed) among enterprise-class Tape Cartridges. It is the best solution to back up huge databases and very large volumes of digital information, and it is designed to provide a data life of up to 30 years.



### ECONOMY: 60GB (Native) Economical, Fast-Access Tape Cartridge

The fast-access Fujifilm 3592 Tape Cartridge with Fujifilm Nanocubic Technology fulfils the requirements of the enterprise market to minimize the time to access necessary data. Its tape is shorter, it has 60GB (Native) capacity and is sufficiently economical.

### WORM: Non-Rewritable Tape Cartridge with DATA (300GB) and ECONOMY (60GB)

Fujifilm provides non-alterable and non-rewriteable Fujifilm 3592 WORM Tape Cartridges with 300GB and 60GB capacity. Fujifilm's unique process technology secures important data in the longterm. One example is the tamper-proof screw which protects the Tape Cartridge from being opened, thus providing high security.



### Consistently high output

Fujifilm tape has an exceptionally smooth surface that assures improved head contact and minimal spacing loss. As a result, output is consistently high.

### High-precision servo system

Servo signals encoded directly on the tape ensure high-precision head tracking with timing-based servo systems. Fujifilm quality control assures outstanding signal quality and precision.

### Library Pack

All Fujifilm 3592 Tape Cartridges will be delivered in our newly developed library pack. The library pack protects the cartridges against impact if dropped and provides also added protection against dust and humidity. It's a good and safe storage and archival solution offering easy and quick unpacking, carrying and piling.

**Contents: 20 pcs.**

### Ruggedly constructed cartridge shells

For maximum durability, cartridge shells are constructed of heavy-gauge resin, and internal components are specially designed to withstand heavy use. Five high tensile-strength screws are also used to secure the cartridge shell halves together.

### Built-in memory modules

All cartridges are equipped with multifunction non-contact flash memory modules.



**3592**  
DATA TAPE CARTRIDGE

# FUJIFILM 3592 Tape Cartridge Series

for IBM 3592 TotalStorage® Enterprise Tape Drive Systems

## Specifications

		3592 DATA Tape Cartridge	3592 ECONOMY Tape Cartridge	3592 WORM Tape Cartridge	3592 WORM ECONOMY Tape Cartridge
Basic Specifications	Capacity (3:1 Data Compressed)	300GB (900GB)	60GB (180GB)	300GB (900GB)	60GB (180GB)
	Transfer Rate (3:1 Data Compressed)	40 MB/sec. (110 MB/sec.)			
	Number of Tracks	512			
Physical Characteristics	Tape Width	12.65 mm			
	Tape Thickness	8.9 μm			
	Tape Length	609 m	246 m	609 m	246 m
	Cartridge Dimensions	125.0 x 109.0 x 24.5mm			
Operating Environment Conditions		16 ~ 32° C (Max. Wet Bulb Temperature: 26 ° C); 20 ~ 80%RH			
Archival Environment Conditions		16 ~ 25° C (Max. Wet Bulb Temperature: 26 ° C); 20 ~ 80%RH			
Data Rewrite		yes		no	

		3592 CLEANING Tape Cartridge
Physical Specifications	Tape Width	12.65 mm
	Tape Thickness	8.9 μm
	Tape Length	319 m
	Cartridge Dimensions	125.0 x 109.0 x 24.5mm
Operating Environment Conditions		16 ~ 32° C (Max. Wet Bulb Temperature: 26 ° C); 20 ~ 80%RH
Archival Environment Conditions		16 ~ 25° C (Max. Wet Bulb Temperature: 26 ° C); 20 ~ 80%RH

Bulk erasers should not be used with Fujifilm 3592 tape. The tape is encoded at the factory with servo system timing signals that will be lost if bulk erasers are used. Specifications are subject to change without notice. TotalStorage is a registered trademark of IBM Corp. in the United States and other countries.

## Line-up

Product	Article No.
<b>FUJIFILM 3592 DATA Tape Cartridge 300GB</b>	<b>16930</b>
<b>FUJIFILM 3592 DATA Tape Cartridge 300GB Labelled</b>	<b>16931</b>
<b>FUJIFILM 3592 DATA Tape Cartridge 300GB Initialized</b>	<b>16932</b>
<b>FUJIFILM 3592 DATA Tape Cartridge 300GB Labelled + Initialized</b>	<b>16933</b>
<b>FUJIFILM 3592 ECONOMY Tape Cartridge 60GB</b>	<b>17006</b>
<b>FUJIFILM 3592 ECONOMY Tape Cartridge 60GB Labelled</b>	<b>17023</b>
<b>FUJIFILM 3592 ECONOMY Tape Cartridge 60GB Initialized</b>	<b>17024</b>
<b>FUJIFILM 3592 ECONOMY Tape Cartridge 60GB Labelled + Initialized</b>	<b>17025</b>
<b>FUJIFILM 3592 WORM Tape Cartridge 300GB</b>	<b>17007</b>
<b>FUJIFILM 3592 WORM Tape Cartridge 300GB Labelled</b>	<b>17029</b>
<b>FUJIFILM 3592 WORM Tape Cartridge 300GB Initialized</b>	<b>17030</b>
<b>FUJIFILM 3592 WORM Tape Cartridge 300GB Labelled + Initialized</b>	<b>17031</b>
<b>FUJIFILM 3592 WORM ECONOMY Tape Cartridge 60GB</b>	<b>17008</b>
<b>FUJIFILM 3592 WORM ECONOMY Tape Cartridge 60GB Labelled</b>	<b>17026</b>
<b>FUJIFILM 3592 WORM ECONOMY Tape Cartridge 60GB Initialized</b>	<b>17027</b>
<b>FUJIFILM 3592 WORM ECONOMY Tape Cartridge 60GB Labelled + Initialized</b>	<b>17028</b>
<b>FUJIFILM 3592 CLEANING Tape Cartridge</b>	<b>16934</b>
<b>FUJIFILM 3592 CLEANING Tape Cartridge Labelled</b>	<b>16935</b>