



Backup and archive with Verbatim

Optical Media for professional and personal use

A vast amount of digital data is being generated each year, a trend that shows no sign of stopping. According to IDC figures, in zettabytes (1ZB = 1,000,000,000,000,000,000 bytes) the global volume grew from 0.9ZB in 2008, 33ZB in 2018 and is expected to reach 175ZB in 2025. The trend is ever upwards, no matter what line of business you're in.

Keeping all the data in computer hardware or in the cloud is an expensive way to preserve valuable information that's not needed today but may be needed in the future. All companies are obliged to keep some data to comply with legislation and regulations. Some want to keep it for other historical reasons. Individuals, of course, like to preserve their bulky personal data such as music, photo collections and important documents.

Verbatim is known globally as the No.1 Optical Media Brand - consistently providing media storage solutions of the highest quality and compatibility. When drive manufacturers test their products for maximum performance, they use Verbatim optical media - so why wouldn't you?



Optical media is expected to be a long tail business because many consumers continue to use existing hardware such as Blu-ray & DVD players or car CD players rather than upgrade to new technologies. This is similar to legacy recording media such as floppy disc, audio & VHS cassettes which continued to be purchased for decades after hardware was superseded.

Advantages of Optical Media

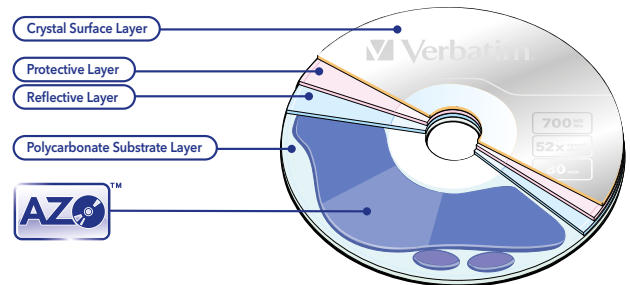
- Something for everyone - CDs, DVDs and Blu-ray discs offer different storage capacities for various markets, from 700MB to 100GB and keep their data in perfect condition.
- Cheapest (portable) storage medium on the market.
- No fear for the optical disc to be hacked or catch a virus due to its offline nature - making it safe and secure to archive important files and documents.
- Optical media improves all the time, in both reliability and capacity making it perfect for cold data storage - Verbatim's current top-of-the-range Blu-ray BDXL discs each store up to 100GB and will last hundreds of years without degradation. In fact, industry standard ISO/IEC 10995 tests gave them a mean lifetime of 1,332 years, with just 5% of discs showing signs of data loss after 667 years.
- M-DISC™ Technology - Verbatim M-DISC™ optical media is the new standard for digital archival storage. Unlike traditional optical media, which utilize dyes that can break down over time, data stored on an M-DISC™ is engraved on a patented inorganic write layer - it will not fade or deteriorate. This unique engraving process renders these archival grade discs practically impervious to environmental exposure, including light, temperature and humidity. ISO/IEC 16963 standard longevity tests have proven the durability of M-DISC™ technology with a projected lifetime of several hundred years.

Optical media also has the advantage that it is the only storage media designed for long term archival if it is stored in the right conditions. Whilst hard drives and flash memory products are great for storing and moving large volumes of data they are not a good choice for keeping data for five years or more. This means that there is continual investment into next generation Optical media and hardware. Unlike other recording media types there is full backwards compatibility, meaning the latest hardware can be used to read data stored many years ago.

Core technologies, like our AZO recording layer, SERL and Hard Coat give Verbatim technological advantages over competing media products - special layer technologies that were developed by Verbatim's previous parent company Mitsubishi Chemical Media, and have been retained exclusively by Verbatim and the CMC manufacturing facility for future use.

ADVANCED AZO DYE TECHNOLOGY

AZO is patented technology used exclusively by Verbatim. The AZO recording layer provides increased protection and reliability - it not only withstands high laser and rotation speeds, it also strongly resists UV light and maximizes performance delivering a high quality recording that lasts for generations.

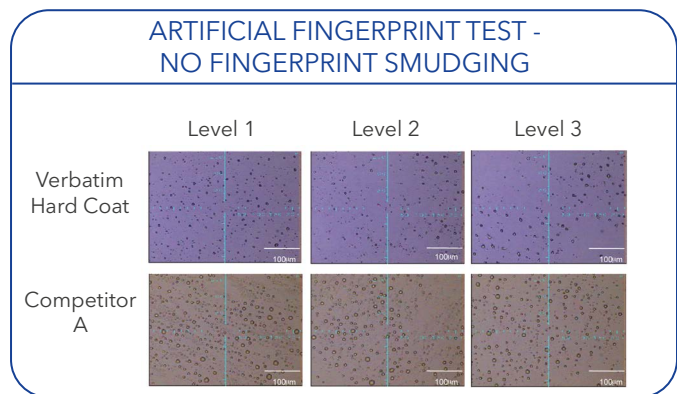


The recording dye is critical to CD and DVD performance; its molecular structure is designed to absorb the typical wavelength of a drive's laser. The peak absorption wavelength needs to be optimised so that the disc is compatible with a wide range of recording speeds. If the peak is too short, disc sensitivity is reduced, which causes high-speed recording problems; but if the wavelength peak is too long, this reduces the reflectivity of the recording layer and can create read errors.

HARD COAT SURFACE

To protect discs that are handled repeatedly, Verbatim provides a special Hard Coat layer that protects from fingerprints, dust, scratches, static and water.

The image below (left) depicts a disc comparison for typical scratch resistance. The image on the right shows how Verbatim's Hard Coat reduces fingerprint smudging, an essential feature for high quality recording.



Fingerprint proof



Static proof



Scratch proof



Dust proof



Water proof

SERL (SUPER EUTECTIC RECORDING LAYER)

SERL is a special recording layer on Verbatim's CD-RW and DVD/RW media that ensures noise-free recording time and time again. With conventional rewriteable media, the recording layer deteriorates with every rewrite, meaning a decrease in quality. With Verbatim rewriteable media however, the recording layer is returned to perfect condition on every erasure, leaving a flawless disc for the next recording. SERL also enables this media to enjoy excellent archival stability and high-speed recording. This means users can enjoy perfect, high-speed data storage every time.



CRYSTAL



A tough, clear surface layer for increased protection against accidental surface damage.

MABL



Metal Ablative Recording Layer. A specially created inorganic recording layer present on Verbatim's BD-R media ensured excellent recording compatibility and prolonged stability for archival life.

MEDI-DISC



CD-R and DVD-R targeted toward the medical industry for storing valuable patient information. Using tighter specifications for better compatibility and recording quality. Uses AZO.

Optical Media use in Real Life

For over 50 years, the Verbatim brand has been at the forefront of the evolution in data storage technology and remains one of the most recognisable and respected names in the industry. The company has a strong reputation as a trusted global supplier providing quality products backed up by a fast and reliable service.

Our products cover various markets and industries:

Business/Professional Use:

- Perfect for Cold Data Storage Archiving
- Financial, Government, Military documents and files
- Healthcare sector i.e. Hospitals (patient personal data)
- Education sector i.e. Universities, Schools (student data, exam files)
- Photographers, Graphic Designers

Consumer Use:

- Family, holiday graduation pictures
- Wedding images & videos
- Music and large audio files
- Important personal documents
- Important movies

Verbatim's Optical Media is the ideal solution for your professional or personal needs, take a look at our best selling products next.



Optical Media from Verbatim

Award winning Optical Media



M-DISC - FOR ARCHIVING

- Over 1000 years lifetime for long-term archiving
- Data stored on an M-DISC is engraved on a patented inorganic write layer which will not fade or deteriorate
- Impervious to environmental exposure, including light, temperature and humidity
- The latest optical drives read M-DISC media, but please check for compatibility with your particular drive

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
M-DISC DVD R				
43826	4X	3pk Slim Case	Matt Silver	4.7 GB
43821	4X	5pk Jewel Case	Inkjet Printable	4.7 GB
M-DISC BD-R				
43827	4X	3pk Slim Case	Matt Silver	25 GB
43823	4X	5pk Jewel Case	Inkjet Printable	25 GB
43825	4X	10pk Spindle	Inkjet Printable	25 GB
M-DISC BD-XL				
43834	4X	5pk Jewel Case	Inkjet Printable	100 GB



BLU-RAY - FOR HIGH DEFINITION

- High capacity for high definition (HD) video or long-term archiving
- Dual layer (DL) discs with two recording layers for 50GB storage
- BD-R XL - three recording layers for 100GB storage



PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
BD-R MABL				
43715	6X	5pk Jewel Case	White/Blue	25 GB
43713	6X	10pk Jewel Case	Wide Printable No-ID	25 GB
43742	6X	10pk Spindle	White/Blue	25 GB
BD-R Datalife				
43836	6X	5pk Jewel Case	White/Blue	25 GB
43804	6X	10pk Spindle	Wide Printable No-ID	25 GB
43811	6X	25pk Spindle	Wide Printable No-ID	25 GB
43837	6X	25pk Spindle	White/Blue	25 GB
43812	6X	50pk Spindle	Wide Printable No-ID	25 GB
43838	6X	50pk Spindle	White/Blue	25 GB
BD-R DL				
43748	6X	5pk Jewel Case	White/Blue	50 GB
43736	6X	10pk Jewel Case	Wide Printable No-ID	50 GB
43746	6X	10pk Spindle	White/Blue	50 GB
BD-RE				
43615	2X	5pk Jewel Case	White/Blue	25 GB
43694	2X	10pk Spindle	White/Blue	25 GB
BD-RE DL				
43760	2X	5pk Jewel Case	White/Blue	50 GB
BD-R XL				
43789	4X	5pk Jewel Case	Wide Printable No-ID	100 GB





DVD - FOR BACKUP

DVD-R AZO



- Suitable for drives which support DVD-R media
- Verbatim's AZO technology for increased protection and reliability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Jewel Case				
43519	16X	5pk Jewel Case	Matt Silver	4.7 GB
43521	16X	10pk Jewel Case	Wide Printable ID	4.7 GB
Slim Case				
43557	16X	5pk Slim Case	5 Colours	4.7 GB
43547	16X	20 x Single Slim OPP wrap	Matt Silver	4.7 GB
Spindle				
43523	16X	10pk Spindle	Matt Silver	4.7 GB
43522	16X	25pk Spindle	Matt Silver	4.7 GB
43538	16X	25pk Spindle	Wide Printable ID	4.7 GB
43548	16X	50pk Spindle	Matt Silver	4.7 GB
43533	16X	50pk Spindle	Wide Print No-ID	4.7 GB
43549	16X	100pk Spindle	Matt Silver	4.7 GB
Wrap				
43729	16X	10pk Wrap	Matt Silver	4.7 GB
43788	16X	50pk Wrap	Matt Silver	4.7 GB
Wrap - Datalife (Non-AZO)				
43791	16X	50pk Wrap (Datalife)	Matt Silver	4.7 GB

DVD+R AZO



- Suitable for drives which support DVD+R media
- Verbatim's AZO technology for increased protection and reliability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Jewel Case				
43508	16X	10pk Jewel Case	Wide Printable ID	4.7 GB
Spindle				
43498	16X	10pk Spindle	Matt Silver	4.7 GB
43500	16X	25pk Spindle	Matt Silver	4.7 GB
43550	16X	50pk Spindle	Matt Silver	4.7 GB
43512	16X	50pk Spindle	Wide Printable No-ID	4.7 GB
43551	16X	100pk Spindle	Matt Silver	4.7 GB



DVD-RW



- Re-writable disc
- Suitable for drives which support DVD-R media
- SERL technology for high reliability and long-term archive stability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Jewel Case				
43285	4X	5pk Jewel Case	Matt Silver	4.7 GB
Spindle				
43552	4X	10pk Spindle	Matt Silver	4.7 GB
43639	4X	25pk Spindle	Matt Silver	4.7 GB

DVD+RW



- Re-writable disc
- Suitable for drives which support DVD+R media
- SERL technology for high reliability and long-term archive stability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Jewel Case				
43229	4X	5pk Jewel Case	Matt Silver	4.7 GB
Slim Case				
43297	4X	5pk Slim Case	5 Colours	4.7 GB
Spindle				
43488	4X	10pk Spindle	Matt Silver	4.7 GB
43489	4X	25pk Spindle	Matt Silver	4.7 GB

DOUBLE LAYER DVD+R DL



- Double layer (DL) discs with two recording layers for 8.5GB storage
- Suitable for drives which support DVD+R media
- Verbatim's AZO technology for increased protection and reliability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Double Layer DVD+R DL AZO				
43541	8X	5pk Jewel Case	Matt Silver	8.5 GB
43666	8X	10pk Spindle	Matt Silver	8.5 GB
43757	8X	25pk Spindle	Matt Silver	8.5 GB
43667	8X	25pk Spindle	Wide Printable No-ID	8.5 GB
43758	8X	50pk Spindle	Matt Silver	8.5 GB
43703	8X	50pk Spindle	Wide Printable No-ID	8.5 GB
Double Layer DVD+R DL Life Series (Non-AZO)				
97693	8X	50pk Spindle	Wide Printable No-ID	8.5 GB

DVD-RAM



- For data intensive, high performance applications
- Can be overwritten up to 100,000 times

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Jewel Case				
43450	3X	5pk Jewel Case	Matt Silver	4.7 GB

Vintage Vinyl

CD's are the best recordable media for uncompressed music quality. For the true music enthusiast the Verbatim vinyl design combines retro looks with digital audio performance.

- Capacity: 700MB
- Speed: 52x
- Pack Style: 10 Pack Slim Case
- Disc Surface: Data Vinyl
- Part Number: 43426



CD - RELIABLE STORAGE FOR MUSIC AND DATA FILES

CD-R AZO



- Verbatim's AZO technology for increased protection and reliability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Jewel Case				
43327	52X	10pk Jewel Case	Crystal	700 MB
43325	52X	10pk Jewel Case	Wide Printable ID	700 MB
Slim Case				
43426	52X	10pk Slim Tray Data Vinyl	Colour	700 MB
Spindle				
43352	52X	25pk Spindle	Crystal	700 MB
43439	52X	25pk Spindle	Wide Printable ID	700 MB
43343	52X	50pk Spindle	Crystal	700 MB
43438	52X	50pk Spindle	Wide Printable No-ID	700 MB

CD-RW



- Re-writable disc
- SERL technology for high reliability and long-term archive stability

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
High Speed				
43148	12X	10pk Jewel Case	Silver	700 MB
43167	12X	5pk Slim Case	5 Colours	700 MB
43480	12X	10pk Spindle	Silver	700 MB

CD-R EXTRA PROTECTION



- White surface providing extra protection for the label side
- Can be written on with a CD/DVD marker pen

PART NO	SPEED	CONFIGURATION	SURFACE	CAPACITY
Slim Case				
43347	52X	Single pk Slim (200pk)	Extra Protection	700 MB
43415	52X	10pk Slim Case	Extra Protection	700 MB
Spindle				
43437	52X	10pk Spindle	Extra Protection	700 MB
43432	52X	25pk Spindle	Extra Protection	700 MB
43351	52X	50pk Spindle	Extra Protection	700 MB
43411	52X	100pk Spindle	Extra Protection	700 MB
Wrap				
43725	52X	10pk Wrap	Extra Protection	700 MB
43787	52X	50pk Wrap	Extra Protection	700 MB
43794	52X	50pk Wrap	Inkjet Printable	700 MB
800MB				
43428	40X	10pk Jewel Case	Extra Protection	800 MB
Audio				
43365	N/A	10pk Jewel Case	Silver	80 min

PROFESSIONAL OPTICAL MEDIA

Verbatim's professional optical media feature tighter specifications than the standards given by the relevant standardisation bodies. Tighter specifications ensure better compatibility with writers and recorders. This results in higher recording quality, thus ensuring longer archival lifetime and better readability. You can recognise Verbatim's professional optical media by the DataLifePlus branding.



- Excellent printer compatibility
- For medical use, DICOM compliant
- 66.7% tighter specifications than standard discs
- AZO dye ensures excellent read and write performance
- High quality photo and sound storage recording quality
- Superior archival stability that lasts for generations



PN	SPEED	CAPACITY	CONFIGURATION	SURFACE*	PRINT DIAMETER	PRINTING SYSTEM
BD-R						
43738	6X	25 GB	25pk Spindle	DataLifePlus Wide Printable No-ID	22 - 118	Inkjet
43749	6X	50 GB	25pk Spindle	DataLifePlus Wide Printable No-ID	22 - 118	Inkjet
DVD-R/+R						
43755	16X	4.7 GB	50pk Spindle	DataLifePlus Wide Thermal No-ID	21 - 118	Everest, Prism & P55
43744	16X	4.7 GB	50pk Spindle	DataLifePlus Wide Printable No-ID	21 - 118	Inkjet
43734	16X	4.7 GB	50pk Spindle	DataLifePlus Waterproof Printable No-ID	21 - 118	Inkjet
DVD+R DL						
43754	8X	8.5 GB	50pk Spindle	DataLifePlus Wide Thermal No-ID	21 - 118	Everest, Prism & P55
43703	8X	8.5 GB	50pk Spindle	Wide Printable No-ID	21 - 118	Inkjet
CD-R						
43745	52X	700 MB	50pk Spindle	DataLifePlus Wide Printable No-ID	23 - 118	Inkjet
43756	52X	700 MB	50pk Spindle	DataLifePlus Wide Thermal No-ID	23 - 118	Everest, Prism & P55
43718	52X	700 MB	50pk Spindle	Thermal No-ID	40 - 118	Prism
43792	52X	700 MB	100pk Cling Tape Wrap	Thermal No-ID	40-118	Everest, Prism & P55

* All surfaces white unless otherwise noted



Wide Printable

Verbatim printable discs feature a printable surface designed for use with your inkjet printer. These discs allow you to print photos or text across the entire surface of the disc.

Waterproof Inkjet Printable

Verbatim waterproof printable discs feature a printable surface designed for use with your inkjet printer. These discs have a coating on them which make the printable surface waterproof. No drips, bleeds or smudges!

Thermal Printable

Verbatim Thermal Printable discs offer edge to edge printing of high resolution photos and crystal clear text for your thermal printer. The fast drying surface ensures clear labels every time. Thermal printable discs are compatible with TEAC P55B & C, Rimage Everest 400 & 600 and Rimage Prism Plus series thermal printers.