

MAGNETO
OPTICAL
AUTOMATION

G-SERIES

RELIABILITY

Plasmon takes 5.25-inch automated storage to the highest levels of dependability resulting in tremendous feature and functionality enhancements. Plasmon sets the industry standard for reliability —3.8 million mean swaps between failure (MSBF) —nearly twice as reliable as the nearest competitive automation technology.

AVAILABILITY

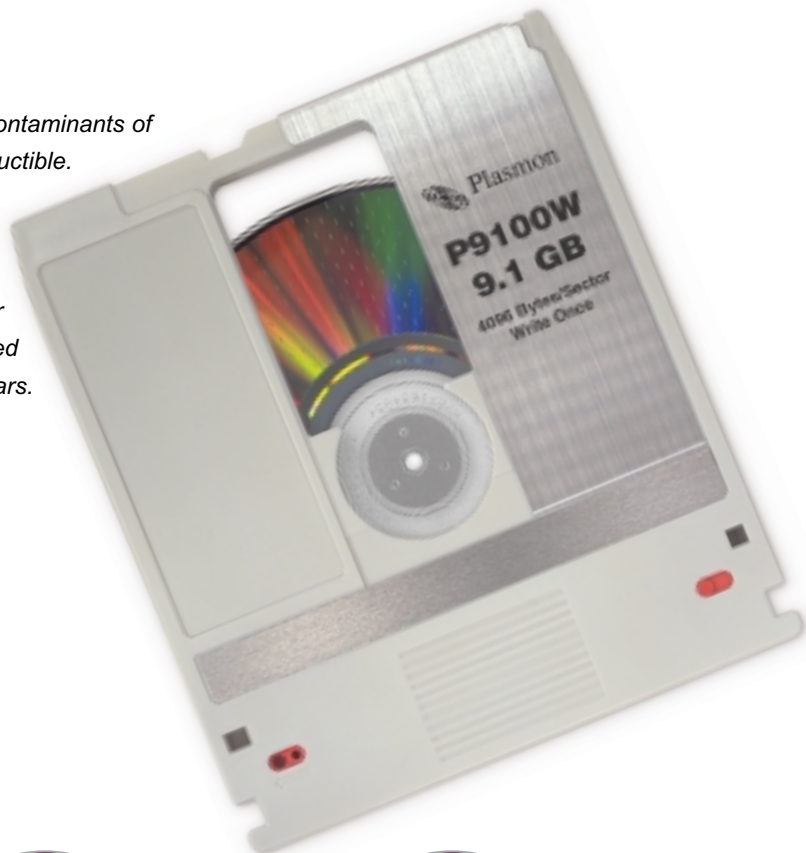
By design, Plasmon's 5.25-inch optical libraries offer an inherently robust architecture, which translates to the very highest data availability for your 24x7x365 business environment. No other product can provide hot-swappable drives, redundant power supplies and a fully filtered cooling system. These enterprise-class features provide on-line serviceability and minimise the possibility of media contamination. Plasmon technology is specifically designed to make sure that your data will be available when you need it most.

SCALABILITY

Plasmon's 5.25-inch optical libraries are designed for future drive and capacity expansion. These scalable systems protect your technology investment while keeping pace with increasing storage demands. With multiple models offering different drive and slot configurations, a system can be tailored for your current needs and upgraded as your business and storage requirements grow. Using the latest 9.1GB (14x) magneto-optical drives, Plasmon's 5.25-inch optical libraries offer the highest storage capacity at the lowest cost per gigabyte.

The 5.25-inch media is impervious to the contaminants of the outside world, making it virtually indestructible.

It is encased in a durable enclosure that protects it from dirt and scratches, eliminating the need for cleaning. This media is offered with either Rewritable or WORM technology and is rated to last more than 30 years.



internet services



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science and research

USING MAGNETO OPTICAL

Magneto Optical storage technology has a long history of providing cost-effective, highly reliable data storage for mission critical business applications. Optical storage is typically used for file-based access and archiving where corporate standards and government regulations require the long-term storage of important data. Magneto Optical technology is ideally suited for these environments because it offers high storage capacities, very quick access times and both WORM and rewritable media formats. Only optical media can provide the 30+ year data storage life and automated management demanded by government and industry for storing electronic records, scanned documents, high resolution images, emails, voice and video files. Magneto Optical storage solutions are commonly used in Banking, Insurance, Medical, Telecommunications, Government Records Management, Call Centres and Public Utilities.

5.25-INCH MAGNETO OPTICAL TECHNOLOGY

Plasmon's 5.25-inch magneto optical libraries are an ideal storage solution for data-intensive applications requiring near-line access speeds around the clock. Utilising 9.1GB magneto optical drive technology these libraries offer greater capacity, better data availability and increased reliability over competing optical technologies. The technology is best suited for fast and reliable data access, data archiving and multi-user network environments – especially if a WORM solution is needed. WORM media is unalterable and rated to last 30 years or more, making it the technology of choice for long-term data archival.

PLASMON 5.25-INCH MAGNETO OPTICAL LIBRARIES

Plasmon's 5.25-inch magneto optical libraries offer a range of options with disk slot counts from 20 to 638 storing from 182GB to 5.8TB respectively. Easy field expansion provides significant increases in data capacity to protect your technology investment. Plasmon offers the industry's widest range of products with patented robotics and high-performance drive technology. Plus, forward and backward media compatibility allows you to easily integrate a Plasmon library into your existing operation.

PLASMON ENTRY LEVEL LIBRARIES

The M20, M32 and M52 range from 182GB to 473GB, the M20 and M32 have single pickers and the M52 has a dual picker, for high performance media exchange. All models have closed loop cooling with no air being drawn into the cabinet; drastically reducing dust contamination. The M52 has an MSBF (Mean Swaps Between Failure) rate of up to 2,800,000 complete disk exchange times as low as 4.3 seconds and sustained transfer rates of up to 6MB per second enabling the user to manage increasing data-flow demand quickly and cost-effectively, giving absolute peace of mind.

PLASMON MID-SIZE AND ENTERPRISE LIBRARIES

The mid-size and enterprise 5.25-inch magneto optical libraries utilise state-of-the-art technology to provide features and functionality enhancements that set a new standard for system reliability, availability and performance.

STANDARD

Robotics Auto-Calibration automatically aligns the robotics for reduced wear of mechanical and electrical components, reduced contamination within the library and elimination of complex manual adjustments.

Hot Swappable Drives allows the library to remain on-line and fully functional should a drive need replacing.

Open/Closed Loop Cooling exhausts electronics heat from the library and controls the media air temperature without introducing contaminants to drive/media system for superior data integrity.

10-Slot Bulk Magazines allows fast and easy import to and export of media from the library one to ten pieces at a time. Available in G164 and above.

OPTIONS

Redundant Power Supplies guarantees unimpeded supply of power to the library and smooth fail-over if a power supply should fail. Available in G164 and above.

Bar Code Scanner provides state-of-the-art bar code technology to manage media inventory for both internal and external data archival.

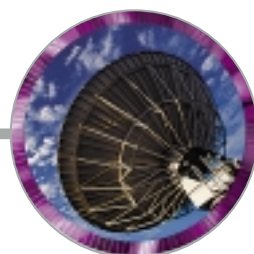
Remote library Management allows the remote query of a library's status via a Web browser to further enhance library availability and management.



medical imaging



legal casework



telecommunications



national and international government



Plasmon Enterprise libraries
G438 and G638
Available with up to 12 (14X) drives
and up to 638 disk slots. Storage
capacities up to 5.8TB of data using
9.1GB storage disks.



Plasmon Enterprise libraries
G164 and G238
Available with up to 12 (14X) drives
and 164 or 238 disk slots. Storage
capacities range from up to 1.5TB
to 2.2TB of data using 9.1GB
storage disks.



Plasmon Entry Level libraries
M20, M32 and M52
Available with up to 2 (14x) drives
and up to 52 slots.
Storage capacities up to 473GB of
data using 9.1GB storage disks.



Plasmon Mid-Size Libraries
G64 and G104
Available with 2 or 4 (14X) drives
and 64 or 104 disk slots. Storage
capacity ranges from up to 580GB
to 950GB of data using 9.1GB
storage disks. Available in stand-
alone or 19" rack mount versions.



Are You Ready for UDO?

Ultra Density Optical (UDO), the next generation of 5.25-inch optical technology, will significantly increase disk capacities beyond the current 9.1GB. UDO will be introduced at 30GB per disk, with a roadmap leading up to 120GB per disk. Plasmon's G-Series automation technology has been developed to optimally leverage the advanced technology of UDO drives and media. Visit www.plasmon.co.uk/udo












records imaging
and archiving



insurance



THE NEW STANDARD IN 5.25-INCH OPTICAL STORAGE AUTOMATION

-  **Wide range of library configurations and storage capacities – 2 to 12 drives for storing 182GB to 5.8TB of data**
-  **Available with the latest 14X drives with new 9.1GB cartridges for the lowest cost-per-gigabyte stored**
-  **Supports rewritable and WORM technology with backward media compatibility**
-  **High-performance library architecture and patented robotics**
-  **Enhanced reliability features: automatic robotics calibration, hot swappable drives, optional bar code scanner and redundant power supplies for the mid-size and Enterprise library**
-  **Industry-leading MSBF of upto 3.8 million**
-  **Industry-leading 2-year on-site warranty⁽¹⁾**
-  **An absolutely proven storage technology**
-  **Ultra Density Optical (UDO) ready**

⁽¹⁾G-Series warranty: 2 year with registration. 3 day on-site service (country specific).
Upgrades available.

TECHNICAL SPECIFICATIONS –

PLASMON 5.25-INCH MAGNETO OPTICAL AUTOMATION TECHNOLOGY LIBRARIES

14X 5.25-inch Magneto Optical Libraries

	Entry Level Libraries			Mid-Size Libraries		Enterprise Libraries									
	M20	M32	M52	G64	G104	G164	G238	G438	G638						
Maximum Number of Disks	20	32	52	64	104	164	238	438	638						
Maximum Capacity	182GB	291GB	473GB	580GB	950GB	1.5TB	2.2TB	4.0TB	5.8TB						
Number of Drives	1 or 2	1 or 2	2	2 or 4	2 or 4	Up to 12	Up to 12	Up to 12	Up to 12						
Bulk Load Magazine	-	-	-	-	-	10 disk	10 disk	10 disk	10 disk						
Picker Type	single	single	dual	dual	dual	dual	dual	dual	dual						
Average disk exchange time (sec)	7.4	7.7	5.7	5.5	5.5	6.1	6.2	6.3	6.4						
Reliability (MSBF)	>1,527,000	>1,527,000	>2,867,000	>3,800,000	>3,800,000	>3,800,000	>3,800,000	>3,800,000	>3,800,000						
Power Consumption															
Drive Quantity	2	2	2	2	4	4	6	10	12						
Watts (typical)	110	110	110	120	150	160	195	270	310						
Library Dimensions and Weight:															
Height (cm)	46.0	66.0	99.0	116.8	116.8	172.3	172.3	172.3	172.3						
Depth (cm)	74.0	63.0	72.0	82.8	82.8	91.4	91.4	91.4	91.4						
Width (cm)	22.0	30.0	36.0	48.0	48.0	69.1	69.1	86.9	105.0						
Weight (no media) (Kg)	28.0	36.0	69.0	109.0	109.0	217.0	227.0	272.0	322.0						
Rack-Mounted Dimensions:															
Height (cm) (U's)				110.0 (25U)	110.0 (25U)										
Width (cm)				44.7	44.7										
Depth (cm)				80.8	80.8										
Weight (kg)				113.0	113.0										
Shipping Dimensions and Weight:									Expansion Module (1 or 2)						
Height (cm)	74.0	89.0	122.0	152.4	152.4	193.0	193.0	185.0							
Depth (cm)	86.0	80.0	94.0	73.7	73.7	94.0	94.0	86.0							
Width (cm)	35.0	44.0	61.0	119.4	119.4	124.5	124.5	88.0							
Weight: (Kg)	40.0	53.0	99.0	158.0	158.0	261.0	261.0	152.0							
Drive Specific Information*															
Drive Type	9.1GB (14x) Magneto-Optical														
Drive Buffer Size	8MB														
Media Compatibility read/write:	9.1GB, 8.6GB, 5.2GB, 4.8GB, 4.1GB, 2.6GB (MO and LIMDOW), 2.3GB														
read only:	1.3GB, 1.2GB, 650MB, 600MB														
Rotational Speed (14x Media)	3,000RPM														
Maximum User Data Transfer Rate	9.1GB (4096ss) 6.14MB/second			8.6GB (2048ss) 5.84MB/second			5.2GB (2048ss) 5.07MB/second			4.8GB (1024ss) 4.79MB/second			4.1GB (512ss) 3.69MB/second		
Access Times/Av. (1/3 full stroke)	25msec														
* Specifications are drive specific.															
Library Environmental Conditions															
Operating Temperature	10 to 32°C														
Operating Humidity	10% to 90% RH, Non-Condensing														
Non-Operating Temperature	-30 to 60°C														
Non-Operating Humidity	10% to 95% RH, Non-Condensing														
Operating Frequency	50-60 Hz														
Library Interface	LVD or SE (Auto-Sensing) SCSI 2 and SCSI 3 Compliant 68-pin High Density Female Connector														
Voltage	100-240VAC; 50/60 Hz														
Certifications Safety:	UL1950, cUL950, EN60950, IEC950														
Emissions:	FCC Class A, C ISPR 22 Class A, EN55022 Class A														
Immunity:	EN55024, EN61000-3-2, EN61000-3-3 CE														
Standard Warranty	M-Series Warranty: 1 year standard. 3 day on-site service (country specific). Upgrades available.			G-Series Warranty: 2 years with registration. 3 day on-site service (country specific). Upgrades available. Register on-line, www.plasmon.co.uk											



Plasmon's Family of 5.25-inch Optical libraries



Plasmon is ISO 9001 certified



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