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## Glossary of Technical Terms CD/DVD Technology

<b>Bonding</b>	Permanent adhesion of two disc halves to each other, one of the DVD production steps		
<b>CD</b>	<b>Compact Disc</b> ; optical medium for the storage of digital pre-recorded information. During the injection molding process information is embedded in permanent microscopic pits on the CD surface. This information can only be read and not altered (audio, video, computer); 650 megabyte storage capacity; 780 nanometer laser wavelength; one polycarbonate substrate (120mm diameter; 1.2mm thickness)	<b>DVD-Audio</b>	<b>Digital Versatile Disc-Audio</b> Optical medium for the digital storage of music
<b>CD-ROM</b>	<b>Compact Disc – Read Only Memory</b> ; optical data storage medium for prerecorded data (software). This information can only be read and not altered.	<b>DVD-ROM</b>	<b>Digital Versatile Disc-ROM</b> Optical medium for the storage of digital information (data, software, games, etc.); the digital information can be read but not altered.
<b>CD-R</b>	<b>Compact Disc – Recordable</b> ; Optical data storage medium for personal archiving (burning) of digital information; the CD-R can be recorded only once, and thereafter can only be read like a CD-ROM.	<b>DVD-Video</b>	<b>Digital Versatile Disc-Video</b> Optical medium for the digital storage of movies with multiple supplemental features including language options.
<b>CD-RW</b>	<b>Compact Disc – Rewritable</b> Optical data storage medium for archiving (burning) of digital information; the CD-RW can be recorded and erased repeatedly.	<b>DVD-R</b>	<b>Digital Versatile Disc-Recordable</b> ; Optical data storage medium for personal archiving (burning) of digital information; the DVD-R can be recorded only once, and thereafter can only be read like a normal DVD.
<b>CD-View Card</b>	Rectangular-shaped CD-ROM the size of a credit card which can be read using a conventional CD-ROM drive; usually 60 MB storage capacity.	<b>DVD-5</b>	<b>Digital Versatile Disc – 4.7 G byte storage capacity</b>
<b>DVD</b>	<b>Digital Versatile Disc</b> ; Optical medium for the storage of digital information (audio, video, computer data); 9.4 G byte max. storage capacity; 650 nanometer laser wavelength; 2 polycarbonate substrates (120 mm diameter; 0.6 mm thickness each), individually produced, coated and subsequently bonded together. The digital information can be read but not altered.	<b>DVD-9</b>	<b>Digital Versatile Disc – 8.5 G byte storage capacity</b>
		<b>DVD-10</b>	<b>Digital Versatile Disc – 9.4 G byte storage capacity</b>
		<b>DVD-RW</b>	<b>Digital Versatile Disc – Rewritable</b> ; Optical data storage medium for repeated digital recording for video applications.

<b>DVD-RAM</b>	Digital Versatile Disc – Read Access Memory; Optical data storage medium for repeated digital recording for (PC) ROM applications.	<b>SONY PlayStation 2</b>	DVD game console made by SONY; uses CD-ROM and DVD-ROM storage media for the games
<b>DV-R</b>	Digital Versatile – Rewritable; New optical data storage medium still in the development stages, for repeated digital recording, approx. 20 G byte storage capacity	<b>SPACELINE</b>	Fully automatic replication line for DVD 5, DVD 10 and DVD 9
<b>Dye</b>	Special dye on CD-R and DVD-R discs onto which information is recorded in a CD burner	<b>SPACEBonder</b>	Bonding System for DVD
<b>Metallizing</b>	Application of a thin layer of metal (aluminum, gold, silver) or silicon onto a CD or DVD disc; this reflective layer serves to reflect the laser beam; the cathode technology employed is called sputtering	<b>Sputtering</b>	The process by which a thin layer of metal or silicon is deposited onto a transparent polycarbonate disc
<b>MODULUS</b>	Multiple cathode metallizer for coating rewritable CD-RW, DVD-RW, and DVD-RAM media.	<b>Sputter Cathode</b>	Sputtering device in a metallizer
<b>Phase Change Technology</b>	Process in which the composition of a material is converted from an amorphous into a crystalline state and back again	<b>STREAMLINE</b>	Fully automatic replication line for CD-R and DVD-R
<b>Polycarbonate</b>	CD and DVD substrate material	<b>SUNLINE</b>	Fully automatic replication line for rewritable CD-RW, DVD-RW and DVD-RAM discs
<b>SINGULUS III</b>	Metallizing system for CD, CD-R and DVD	<b>Uniformity</b>	Even distribution of layers on a disc
<b>SKYLINE</b>	Fully automatic replication line for CD, CD-ROM and CD business cards	<b>UV-curing</b>	Drying or curing of adhesives or lacquers with the aid of ultraviolet rays
<b>SKYLINE Duplex</b>	Fully automatic replication line for CD and DVD 5	<b>Target</b>	Metal plate which serves as the source of a selected layer material; ionic bombardment of its surface releases the material which subsequently coats the disc.
<b>Smart Cathode®</b>	patented sputter cathode for coating CD and DVD discs with highly uniform reflective layers	<b>XBOX</b>	DVD game console made by MICROSOFT, DVD-ROM is the storage medium used for the games